

AMERICAN TRANSPLANT CONGRESS
Day-at-a-Glance, Saturday, April 29, 2017

Saturday, April 29

1:00 pm – 5:30 pm Pre-Meeting Symposia

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**5:30 pm – 6:00 pm Thomas Starzl, MD, PhD
Tribute Program**

- Page 11* *Arie Crown Theater*
Open to all ATC registered attendees and exhibitors

6:00 pm – 7:30 pm Opening Reception, Exhibits and Poster Session A

Presenters in Attendance
Hall D1

AMERICAN TRANSPLANT CONGRESS

Program, Saturday, April 29, 2017

Pre-Meeting Symposia

1:00 pm – 5:30 pm

HLA Antibody Diagnostics and Management

Room E353AB

Allorecognition and Transplant Immunodiagnostics

Moderators: Frans Claas, PhD, Leiden University Medical Center, Leiden, Netherlands and Anat Tambur, DMD, PhD, Northwestern University, Chicago, IL, USA

- 1:00 pm **HLA Genetics, Immunogenicity and Epitopes**
Frans Claas, PhD
Leiden University Medical Center
Leiden, Netherlands
- 1:20 pm **HLA Antibody Effector Pathways**
William Baldwin, MD, PhD
Cleveland Clinic Main Campus, Lerner Research Institute
Cleveland, OH, USA
- 1:40 pm **Cell and Solid Phase based Assays – The Basics**
Howard Gebel, PhD
Emory University Hospital
Atlanta, GA, USA
- 2:00 pm **Myths/Limitations of Immunodiagnostics**
Kathryn Tinckam, MD
University Health Network
Toronto, ON, Canada
- 2:20 pm **Histopathology and Molecular Diagnostics**
Robert Colvin, MD
Massachusetts General Hospital/Harvard Medical School
Boston, MA, USA
- 2:40 pm **Panel / Case Discussion**
- 3:15 pm **Coffee Break**

Immunologic Memory and Naive HLA

Responses – We will overcome some day?

Moderators: Peter Nickerson, MD, FRCPC, University of Manitoba, Winnipeg, MB, USA and Chris Wiebe, MD, University of Manitoba, Winnipeg, MB, USA

- 3:45 pm **Approach to the Highly Sensitized Patient**
Mark Stegall, MD
Mayo Clinic
Rochester, MN, USA
- 4:05 pm **Treatment of Early ABMR – What's the Evidence?**
John Friedewald, MD
Northwestern University
Chicago, IL, USA
- 4:25 pm **De novo DSA – Prevention/Risk Assessment**
Chris Wiebe, MD
University of Manitoba
Winnipeg, Canada
- 4:45 pm **De novo DSA – ABMR – Treatment – Where are we?**
Stanley Jordan, MD
Cedars-Sinai
West Hollywood, CA, USA
- 5:05 pm **Panel/Case Discussion**

The State of the Art in Kidney Transplantation – An Update for the Busy Clinician

Room E450B

The Immunology of Kidney Transplantation

Moderators: Reza Abdi, Brigham & Women's Hospital, Boston, MA, USA and Emilio Poggio, MD, Cleveland Clinic, Cleveland, OH, USA

- 1:00 pm **Immunobiology of Rejection for the Nephrologist**
Philip F. Halloran, MD, PhD
University of Alberta
Edmonton, AB, Canada
- 1:20 pm **Immunosuppression Current Approaches and Future Strategies**
Andrew Adams, MD, PhD
Emory University School of Medicine
Atlanta, GA, USA

1:40 pm Immunological Assessment of the Transplant Recipient

*Robert Bray, PhD
Emory University
Atlanta, GA, USA*

2:00 pm Non-tissue Diagnosis of Rejection

*Paolo Cravedi, MD, PhD
Mount Sinai Hospital NY
New York, USA*

2:20 pm Discussion

Issues in Candidate Evaluation

Moderators: Lorenzo Gallon, MD, Northwestern University, Chicago, IL, USA and Jennifer Lai, MD, University of California San Francisco, San Francisco, CA, USA

2:40 pm Evaluation of the Combined Organ Transplant Candidate

*Richard Formica, MD
Yale University School of Medicine
New Haven, CT, USA*

*James Trotter, MD
Baylor
Dallas, TX, USA*

2:55 pm Evaluation of the Living Kidney Donor

*David Landsberg, MD
St. Paul's Hospital
Vancouver, BC, Canada*

3:10 pm Panel Discussion

3:20 pm Break

Expect the Unexpected: Complications

Moderators: Randy Sung, MD, University of Michigan, Ann Arbor, MI, USA and Milagros Samaniego, MD, University of Michigan Med School, Ann Arbor, MI, USA

3:45 pm Management of Malignancy in the Post-Transplant Setting

*Christopher Blosser, MD
University of Washington
Seattle, WA, USA*

4:00 pm Management of Recurrent Complement Mediated Glomerular Diseases

*Jean Francis, MD
Boston University Medical Center
Boston, MA, USA*

4:15 pm Surgical Complications after Kidney Transplantation for the Non-Surgeon

*Kenneth Newell, MD, PhD
Emory University School of Medicine
Atlanta, GA, USA*

4:30 pm Discussion

Transplant Infections

Moderators: Deepali Kumar, MD, University of Toronto, Toronto, ON, Canada and Marian Michaels, MD, MPH, University of Pittsburgh School of Medicine, Pittsburgh, PA, USA

4:45 pm Challenging Cases in CMV

*Michael Ison, MD, MS
Northwestern University Feinberg School of Medicine
Chicago, IL, USA*

5:00 pm BK Virus – Prevention and Treatment

*Daniel Brennan, MD, FACP
Washington University in St. Louis
St. Louis, MO, USA*

5:15 pm Discussion

Exciting Updates in Transplant ID 2017: Case-based learning with Audience Response

Room E353C

Antibiotics: The Good the Bad and The Ugly

Moderators: Shirish Huprikar, MD, Icahn School of Medicine at Mount Sinai, New York, NY, USA and Emily Blumberg, MD, Perelman School of Medicine at the University of Pennsylvania, Philadelphia, PA, USA

1:00 pm MDR GNR Bacteria

*Stephanie Pouch, MD, MS
The Ohio State University Wexner Medical Center
Columbus, OH, USA*

1:20 pm VRE: Best Practice and Insights

*Anoma Nellore, MD
University of Alabama
Birmingham, AL, USA*

1:40 pm From the PharmD desk: “Top 10” Things TID Docs Should Know

*Shellee Grim, PharmD, MS-CTS, BCPS
Loyola University Medical Center
Chicago, IL, USA*

Antifungal Testing, Prevention and Treatment Stewardship in SOT

Moderators: Nicole Theodoropoulos, MD, MS, University of Massachusetts Memorial Medical Center, Worcester, MA, USA and Shahid Husain, MD, MS, University of Toronto, Toronto, ON, Canada

2:00 pm Fungus among Us: State of the Art Diagnostics

*John Baddley, MD, MSPH
University of Alabama at Birmingham
Birmingham, AL, USA*

2:20 pm An Ounce or a Pound of Fungal Prevention?

*Shirish Huprikar, MD
Icahn School of Medicine at Mount Sinai
New York, NY, USA*

2:40 pm Antifungal Treatment

*Rachel Miller, MD
Duke University
Durham, NC, USA*

3:00 pm Coffee Break

Difficult Pathogens & Situations in Transplant

Moderators: Lara Danziger-Isakov, MD, MPH, University of Cincinnati, Cincinnati, OH, USA and Michele I. Morris, MD, FACP, FIDSA, University of Miami Miller School of Medicine, Miami, FL, USA

3:30 pm NTM: Help!

*Ricardo La Hoz, MD, FACP
University of Texas Southwestern Medical Center
Dallas, TX, USA*

3:50 pm Respiratory Viruses

*Sherif Mossad, MD, FACP, FIDSA, FAST
Cleveland Clinic Foundation
Cleveland, OH, USA*

4:10 pm Recurrent UTI/bacteriuria/MDRO

*Aldiana Soljic, MD
Massachusetts General Hospital
Boston, MA, USA*

4:30 pm On Your Toes: Rapid Fire Cases with The ID COP Executive Committee Members

*Shirish Huprikar, MD
Icahn School of Medicine at Mount Sinai
New York, NY, USA*

*Lara Danziger-Isakov, MD, MPH
University of Cincinnati
Cincinnati, OH, USA*

*Camille Kotton, MD
Massachusetts General Hospital
Boston, MA, USA*

*Deepali Kumar, MD
University of Toronto
Toronto, ON, Canada*

*Sherif Mossad, MD, FACP, FIDSA, FAST
Cleveland Clinic Foundation
Cleveland, OH, USA*

*Nicole Theodoropoulos, MD, MS
University of Massachusetts Memorial Medical Center
Worcester, MA, USA*

*Ricardo La Hoz, MD, FACP
University of Texas Southwestern Medical Center
Dallas, TX, USA*

*Susanna Tan, MD
Stanford University
Stanford, CA, USA*

Preserving Native Renal Function in Liver Transplantation: Case Focused Session

Room E450A

Evaluation and Management of Renal Dysfunction in Patients with Cirrhosis (Case Based) – Audience Response

Moderators: Catherine Frenette, MD, Scripps Clinic Department of Organ Transplant, La Jolla, CA, USA and Mitra Nadim, MD, University of Southern California / Keck Hospital of USC, Los Angeles, CA, USA

1:00 pm The ABC's Of Assessing Renal Function

*Sumeet Asrani, MD
Baylor University Medical Center
Dallas, TX, USA*

1:25 pm Discussion

1:30 pm Hyponatremia: Why we Care and What to Do about it
Scott Biggins, MD
University of Washington
Seattle, WA, USA

1:55 pm Discussion

2:00 pm Etiology and Management of Renal Dysfunction on the Liver Wait-List
Patrick Kamath, MD
Mayo Clinic
Rochester, MN, USA

2:25 pm Discussion

2:30 pm PRO: Can We Predict Irreversible Renal Failure and Need For SLK?
Larry Melton, MD, PhD
Hackensack UMC
Hackensack, NJ, USA

2:45 pm CON: Can We Predict Irreversible Renal Failure and Need For SLK?
Mitra Nadim, MD
University of Southern California / Keck Hospital of USC
Los Angeles, CA, USA

3:00 pm Discussion

3:15 pm Coffee Break

Preserving Renal Function after Liver Transplantation (Case Based)
Moderators: Pratima Sharma, MD, University of Michigan, Ann Arbor, MI, USA and Alexander Wiseman, MD, University of Colorado Denver, Aurora, CO, USA

3:45 pm Preserving Renal Function during the Liver Transplant Procedure
Claus Niemann, MD
UCSF
San Francisco, CA, USA

4:05 pm Discussion

4:10 pm Early Post-Transplant Nephroprotective Strategies
Pratima Sharma, MD
University of Michigan
Ann Arbor, MI, USA

4:30 pm Discussion

4:35 pm Late Renal Protection: Immunosuppression and CKD Management
Alexander Wiseman, MD
University of Colorado Denver
Aurora, CO, USA

4:55 pm Discussion

5:00 pm The SLK Allocation Policy is Appropriate
Richard Formica, MD
Yale University School of Medicine
New Haven, CT, USA

5:10 pm The SLK Allocation Policy needs to be Modified
Stuart Flechner, MD, FACS
Cleveland Clinic Foundation
Cleveland, OH, USA

5:20 pm Discussion

Challenges in Transplant Listing and Organ Allocation

Room E350

Optimizing the Transplant Listing Process; Unique Approaches from Various Centers
Moderators: Micah Davis, University Hospitals Cleveland Medical Center, Cleveland, OH, USA and Melissa Roberts, MSN, RN, CPTC, Tampa General Hospital, Tampa, FL, USA

1:00 pm Rush
Edward Hollinger, MD, PhD
Rush University Medical Center
Chicago, IL, USA

1:15 pm Northwestern
Aneesha Shetty, MBBD, MPH
Northwestern University, Feinberg School of Medicine
Chicago, IL, USA

1:30 pm Cleveland Clinic
Tracy Evans-Walker, RN, MSN, CNP, CCTC
Cleveland Clinic
Cleveland, OH, USA

1:45 pm Discussion

Not Everyone Can be a Transplant Candidate
Moderators: Micah Davis, University Hospitals Cleveland Medical Center, Cleveland, OH, USA and Melissa Roberts, MSN, RN, CPTC, Tampa General Hospital, Tampa, FL, USA

2:00 pm Optimizing Resources to Make it Happen
Teri Browne, PhD
University of South Carolina
Columbia, SC, USA

2:10 pm Assessing and Improving Medication Adherence Prior to Transplant
Katelyn Richards, PharmD
Beth Israel Deaconess Medical Center
Boston, MA, USA

2:20 pm Having the Difficult Conversation

*Prince Mohan, MD
Geisinger Medical Center
Danville, PA, USA*

2:30 pm Discussion

Impact of the New Kidney Allocation System on Transplant Program Workflow

Moderators: Micah Davis, University Hospitals Cleveland Medical Center, Cleveland, OH, USA and Melissa Roberts, MSN, RN, CPTC, Tampa General Hospital, Tampa, FL, USA

2:45 pm Impact of the New Kidney Allocation System on Transplant Program Workflow

*Nicole McCormick, MS, MBA, NP-C, CCTC
University of Colorado, Division of Renal Diseases & Hypertension
Denver, CO, USA*

3:05 pm Discussion

3:15 pm Coffee Break

Stewarding a Scarce Resource-Everybody Plays a Role

Moderators: Jeff Orłowski, MS, CPTC, LifeShare Transplant Donor Services of Oklahoma, Oklahoma City, OK, USA and Suzanne McGuire, RN, BSN, CCTC, UCLA, Lancaster, CA, USA

3:45 pm Using High Risk Donors – Impact of the Heroin Epidemic on the Donor Pool and Recipient Management

*David Goldberg, MD
University of Pennsylvania
Philadelphia, PA, USA*

4:05 pm Discussion

Options for those without Options

Moderators: Jeff Orłowski, MS, CPTC, LifeShare Transplant Donor Services of Oklahoma, Oklahoma City, OK, USA and Suzanne McGuire, RN, BSN, CCTC, UCLA, Lancaster, CA, USA

4:15 pm List Exchange/National Kidney Registry

*Marian Charlton, SRN, RN
Cornell
New York, NY, USA*

4:25 pm Altruistic Donors

*Bekir Tanriover, MD, MPH, FAST
UT Southwestern
Dallas, TX, USA*

4:35 pm Desensitization Protocols

*Russell J. Crew, MD
NY-Presbyterian/Columbia University
Medical Center
New York, NY, USA*

4:45 pm Discussion

Accepting High KDPI Kidneys – The Who, What, When and How

Moderators: Jeff Orłowski, MS, CPTC, LifeShare Transplant Donor Services of Oklahoma, Oklahoma City, OK, USA and Suzanne McGuire, RN, BSN, CCTC, UCLA, Lancaster, CA, USA

5:00 pm Accepting High KDPI Kidneys – The Who, What, When and How

*Lloyd Ratner, MD, MPH
Columbia University
New York, NY, USA*

5:20 pm Discussion

Basic Immunology and Transplant Immunology for the Clinician

Room E451B

Moderators: Robert Gaston, MD, University of Alabama at Birmingham, Birmingham, AL, USA and Ginny Bumgardner, MD, PhD, Ohio State University, Columbus, OH, USA

1:00 pm Overview of the Immune Response

*Robert Fairchild, PhD
Cleveland Clinic
Cleveland, OH, USA*

1:25 pm Inflammation and Innate Immunity and their Impact on Allograft Rejection

*Peter Heeger, MD
Icahn School of Medicine at Mount Sinai
New York, NY, USA*

1:50 pm Development and Detection of Donor Reactive T Cell Responses

*Melissa Yeung, MD
Brigham & Women's Hospital
Boston, MA, USA*

2:15 pm T Cell Mediated Rejection: Effector Mechanisms

*Ronald Gill, PhD
University of Colorado – Denver
Aurora, CO, USA*

2:40 pm B Cell/Antibody Mediated Rejection

*Peter Nickerson MD, FRCPC
University of Manitoba
Winnipeg, MB, USA*

3:05 pm Coffee Break

3:30 pm T Cell and B Cell Targeted Immunosuppression in Transplantation
Roslyn Mannon, MD
University of Alabama, Birmingham
Birmingham, AL, USA

3:55 pm Impact of Immunologic Memory
Andrew Adams, MD, PhD
Emory University School of Medicine
Atlanta, GA, USA

4:20 pm Understanding and Interpreting Genomic Studies in Transplantation
Barbara Murphy, MD
Icahn School of Medicine at Mount Sinai
New York, NY, USA

4:45 pm Tolerance
Kenneth Newell, MD, PhD
Emory University School of Medicine
Atlanta, GA, USA

Advanced Immunology Updates for Basic and Clinical Scientists

Room E451A

Moderators: Marisa Alegre, MD, PhD, The University of Chicago, Chicago, IL, USA and Jonathan Maltzman, MD, PhD, Stanford University, Palo Alto, CA, USA

1:00 pm Update on Innate Immunity
Fadi Lakkis, MD
University Pittsburgh
Pittsburgh, PA, USA

1:30 pm Update on NK Cells and Rejection
Sheri Krams, PhD
Stanford Univ School of Med
Stanford, CA, USA

2:00 pm Update on T Cells Subsets and Alloimmunity
Leonardo Riella, MD, PhD
Brigham and Women's Hospital
Boston, MA, USA

2:30 pm Update on B Cell Subsets and Alloimmunity
Anita Chong, PhD
The University of Chicago
Chicago, IL, USA

3:00 pm Coffee Break

3:30 pm Update on Regulatory T Cells
Jamil Azzi, MD
Harvard Medical School, Brigham and Women's Hospital
Boston, MA, USA

4:00 pm Update on Memory T Cells
Mandy Ford, PhD
Emory University
Atlanta, GA, USA

4:30 pm Top 10 Immunology Papers of the Year
Jonathan Bromberg, MD, PhD
University of Maryland
Baltimore, MD, USA

Thomas Starzl, MD, PhD Tribute Program
(Open to all ATC registered attendees and exhibitors)

5:30 pm – 6:00 pm
Arie Crown Theater

Opening Reception with Exhibits
6:00 pm – 7:30 pm
Hall D1

Poster Session A
6:00 pm – 7:30 pm
Hall D1

Poster Viewing: 6:00 pm – 7:30 pm
Presenters in Attendance: 6:00 pm – 7:30 pm
Poster Session A can be found on pages 104-129.

AMERICAN TRANSPLANT CONGRESS
Day-at-a-Glance, Sunday, April 30, 2017

7:00 am – 8:15 am Sunrise Symposia

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“Lifetime ESRD Risk Calculator”
Should Not be Used to Counsel
and Select young Living Kidney
Donor Candidates**
Room E450B

Page 15 **Transplantation in the Elderly: Is
80 the New 60?**
Room E354B

Page 15 **Pushing Boundaries for
Recipient Selection in Lung
Transplant**
Room E353C

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Transplant – A Discussion of
Cases with Major Centers**
Room E350

Page 16 **Machine Perfusion Goes Prime
Time in Liver Transplantation**
Room E451B

Page 16 **Alcohol and Liver
Transplantation: Is it Time for a
Reality Check?**
Room E353AB

Page 16 **Amyloid: Cardiac Transplantation
for a Multi-System Illness**
Room E351

Page 17 **Top Papers in Transplant
Infectious Diseases**
Room E354A

Page 17 **VCA: Psychosocial Care of VCA
Patients: Emerging Aspects**
Room E352

Page 17 **Optimizing Pharmacologic
Risk Assessment of Transplant
Recipients and Living Donors**
Room E450A

8:30 am – 9:30 am Plenary

Page 17 **Joint Plenary Session I**
Arie Crown Theater

9:30 am – 9:45 am Joint Award Session

Page 18 *Arie Crown Theater*

9:45 am – 10:00 am ASTS Pioneer Award

Page 18 *Arie Crown Theater*

**10:00 am – 10:15 am AST Lifetime Achievement
Award**

Page 18 *Arie Crown Theater*

**10:15 am – 10:45 am Coffee Break with Exhibits
Hall D1**

10:45 am – 11:15 am State-of-the-Art Address

Page 18 **The Tortuous Path to Allograft-
specific Therapies**
Arie Crown Theater

11:30 am – 1:00 pm Midday Symposia

Page 18 **Advances of Laparoscopic
Technique in Living Donor
Hepatectomy**
Room E350

Page 18 **Re-transplantation of a VCA –
Debate**
Room E352

Page 19 **Allo-induced Autoimmunity: The
Perfect and Underappreciated
Storm in Transplantation**
Room E451B

Page 19 **Chronic Antibody Mediated
Rejection – When Should We
Intervene and Does It Matter?**
Arie Crown Theater

Page 19 **Why are Kidneys Discarded and
What Can Be Done about It?**
Room E354A

Page 19 **Management of Viral Hepatitis
Before and After Solid Organ
Transplantation**
Room E450B

<i>Page 20</i>	Strategies for Extending the Cardiac Donor Pool <i>Room E351</i>
<i>Page 20</i>	Strategies for Expanding the Donor Pool in Lung Transplantation <i>Room E451A</i>
<i>Page 20</i>	Advances in Beta Cell Replacement <i>Room E350</i>
<i>Page 20</i>	CMV in 2017: What's Hot, What's New? <i>Room E354B</i>
<i>Page 21</i>	Bench to Bedside – B cells <i>Room E353C</i>
<i>Page 21</i>	Resident Immune Cells in Immunity and Transplant <i>Room E353AB</i>
<hr/> 1:00 pm – 2:15 pm Luncheon Workshops* <hr/>	
<i>Page 21</i>	Ticketed Events
<hr/> 1:30 pm – 4:30 pm Transplantation in Depth <hr/>	
<i>Page 21</i>	The Endothelium as a Target of Alloimmune Attack in Transplantation <i>Room E353AB</i>
<hr/> 2:30 pm – 4:00 pm Concurrent Oral Abstract Sessions <hr/>	
<i>Page 22</i>	Assessing Risk for Antibody-Mediated Rejection in Kidney Transplant Recipients <i>Room E354A</i>
<i>Page 22</i>	B Cells in Alloimmunity <i>Room E350</i>
<i>Page 23</i>	Clinical Science: Liver – Hepatocellular Carcinoma <i>Room E451B</i>
<i>Page 24</i>	Cutting Edge – Cytomegalovirus <i>Room E353C</i>
<i>Page 25</i>	Heart Waitlist and Allocation: Working to Get It Right <i>Room E267</i>

<i>Page 25</i>	Innate Pathways of Clinical Alloreactivity <i>Room E352</i>
<i>Page 26</i>	Kidney HLA Antibodies <i>Room E354B</i>
<i>Page 27</i>	Kidney Living Donor Evaluation and Recruitment <i>Room E450A</i>
<i>Page 27</i>	Kidney: Pediatric Immune Injury and Recurrent Disease <i>Room E451A</i>
<i>Page 28</i>	Novel Immunosuppression Regimens – Tacrolimus Combinations <i>Room E450B</i>
<i>Page 29</i>	Pediatric Liver <i>Room E271A</i>
<i>Page 29</i>	Predicting Tolerance and Rejection <i>Room E351</i>
<i>Page 30</i>	Psychosocial and Mediation Adherence Concerns <i>Room E271B</i>
<i>Page 31</i>	VCA <i>Room E270</i>
<hr/> 2:30 pm – 5:30 pm Student Program <hr/>	
<i>Page 32</i>	The Science, The Art and the Allure of Transplantation <i>Room E253ABCD</i>
<hr/> 2:30 pm – 6:00 pm Pediatric Symposium 1 <hr/>	
<i>Page 32</i>	<i>Room E265</i>
<hr/> 2:30 pm – 6:00 pm Allied Health Symposium 1 <hr/>	
<i>Page 33</i>	Case-Based Approach to the Multidisciplinary Management of Complex Chronic Disease States Post-Transplantation <i>Room E258</i>
4:00 pm – 4:30 pm	Coffee Break with Exhibits <i>Hall D1</i>

4:30 pm – 6:00 pm Concurrent Oral Abstract Sessions

- Page 34* **Clinical Science: Kidney Immunosuppression: Desensitization**
Room E354B
- Page 34* **Innate Immunity**
Room E350
- Page 35* **Kidney Allocation: Changes and Consequences**
Room E450A
- Page 36* **Kidney Clinical Complications – 1**
Room E354A
- Page 36* **Kidney: Acute Cellular Rejection**
Room E451B
- Page 37* **Liver Allocation, Utilization and Machine Perfusion**
Room E451A
- Page 38* **Liver: Viral Hepatitis**
Room E271A
- Page 38* **Lung Transplantation from Donation to Retransplantation**
Room E270
- Page 39* **New Insights – HCV/HIV**
Room E271B
- Page 40* **Novel Immunosuppression – DSA Monitoring**
Room E450B
- Page 40* **Pancreas Transplantation**
Room E267
- Page 41* **Pathways of Clinical Rejection**
Room E351
- Page 41* **T Cell Biology and Alloimmunity**
Room E352
- Page 42* **Tolerance: Clinical Studies**
Room E353C

6:00 pm – 7:00 pm Poster Session B
Presenters in Attendance
Hall D1

AMERICAN TRANSPLANT CONGRESS
Program, Sunday, April 30, 2017

Sunrise Symposia

7:00 am – 8:15 am

The CKDPC Web-Based “Lifetime ESRD Risk Calculator” Should Not Be Used to Counsel and Select Young Living Kidney Donor Candidates

Room E450B

Moderators: *Stuart Flechner, MD, FACS, Cleveland Clinic Foundation, Cleveland, OH, USA and Lisa Florence, MD, Swedish Organ Transplant Program, Seattle, WA, USA*

7:00 am PRO – The CKDPC Web-Based “Lifetime ESRD Risk Calculator” Should Not Be Used to Counsel and Select Young Living Kidney Donor Candidates

*Robert Steiner, MD
UCSD Center for Transplantation,
University of California at San Diego
La Jolla, CA, USA*

7:25 am CON – The CKDPC Web-Based “Lifetime ESRD Risk Calculator” Should Not Be Used to Counsel and Select Young Living Kidney Donor Candidates

*Krista Lentine, MD
Saint Louis Univ Sch of Med
St Louis, MO, USA*

7:50 am Discussion

Transplantation in the Elderly: Is 80 the New 60?

Room E354B

Moderators: *Matthew Cooper, MD, Medstar Georgetown Transplant Institute, Washington DC, USA and Joanna Schaenman, MD, PhD, David Geffen School of Medicine at UCLA, Los Angeles, CA, USA*

7:00 am Epidemiology and Outcomes in the Elderly Transplant Recipient

*Greg Knoll, MD
The Ottawa Hospital
Ottawa, Canada*

7:20 am Evaluation of Frailty and Association with Post Transplant Outcomes

*Mara McAdams DeMarco
Johns Hopkins University
Baltimore, MD, USA*

7:40 am Rehabilitation of the Elderly Transplant Candidate Prior to Transplantation

*Michael Englesbe, MD
University of Michigan
Ann Arbor, MI, USA*

8:00 am Discussion

Pushing Boundaries for Recipient Selection in Lung Transplant

Room E353C

Moderators: *Joshua Mooney, MD, Stanford University Medical Center, Stanford, CA, USA and Sangeeta Bhorade, MD, Northwestern University, Chicago, IL, USA*

7:00 am Expanding Recipient Access: Advanced Age

*Wayne Tsuang, MD, MHS
Cleveland Clinic
Cleveland, OH, USA*

7:20 am Expanding Recipient Access: The Role of Extracorporeal Membranous Oxygenation (ECMO)

*Carli Lehr, MD
Cleveland Clinic
Cleveland, OH, USA*

7:40 am Expanding Recipient Access: The Impact of Esophageal Dysmotility

*Joseph Pilewski, MD
University of Pittsburgh*

8:00 am Discussion

Sunday, April 30

Practical Challenges in Intestinal Transplant – A Discussion of Cases with Major Centers

Room E350

Moderator: Thiago Beduschi, MD, University of Miami, Miami, FL, USA

7:00 am Panelists:

Kishore Iyer, MD
Mount Sinai Medical Center
New York, NY, USA

David Mercer, MD
University of Nebraska Medical Center
Omaha, NE, USA

Richard Mangus, MD, FACS, MS
Indiana University School of Medicine
Indianapolis, IN, USA

Cal Matsumoto, MD
Georgetown University Hospital
Washington, DC, USA

Machine Perfusion Goes Prime Time in Liver Transplantation

Room E451B

Moderators: James Markmann, MD, PhD, Massachusetts General Hospital, Boston, MA, USA and Henri Leuvenink, PhD, University of Groningen, Groningen, Netherlands

7:00 am Machine Perfusion to Enhance Standard Livers and Recover Otherwise Discarded Organs

Darius Mirza
University of Birmingham
Birmingham, United Kingdom

7:25 am Establishing Machine Perfusion as the Standard of Care in the UK

Peter Friend
University of Oxford
Oxford, United Kingdom

7:50 am Can We implement Machine Perfusion Nationally in the US?

James Guerrero, MD
Columbia University Medical Center
New York, NY, USA

Alcohol and Liver Transplantation: Is it Time for a Reality Check?

Room E353AB

Moderators: Michael Lucey, MD, FRCPI, University of Wisconsin School of Medicine and Public Health, Madison, WI, USA and TBD

7:00 am Alcoholic Liver Disease and Liver Transplantation: What Are the Challenges Involved?

Thomas Schiano, MD, FACS
Ichan School of Medicine, Mt. Sinai
New York, NY, USA

7:25 am The Ethics of Liver Transplantation in the Management of Alcoholic Liver Disease

Zeeshan Butt, PhD
Northwestern University Feinberg School of Medicine
Chicago, IL, USA

7:50 am Can We Predict Recidivism After Liver Transplantation and Does it Really Matter?

Andrea DiMartini, MD
University of Pittsburgh
Pittsburgh, PA, USA

Amyloid: Cardiac Transplantation for a Multi-System Illness

Room E351

Moderators: David Nelson, MD, INTEGRIS Baptist Med Ctr of Oklahoma, Oklahoma City, OK, USA and Peter Eckman, MD, Minneapolis Heart Institute, Minneapolis, MN, USA

7:00 am Amyloid: What A Tangled Web We Weave. Considerations When Assessing Patients for Transplant Who Have Amyloid.

TBD

7:15 am Cardiac Amyloid: Clinical Trials Past, Present and Future

TBD

7:30 am Combined Organ Transplantation for Amyloidosis: Kidney and Liver

TBD

7:45 am A Journey from Diagnosis to Post-Transplant Life: Amyloid (Lifecycle Presentation: Case and Discussion by All Panelists)

Hari Mallidi, MD
Brigham and Women's Hospital
Boston, MA, USA

8:00 am Discussion

Top Papers in Transplant Infectious Diseases

Room E354A

Moderators: Emily Blumberg, MD, Perelman School of Medicine at the University of Pennsylvania, Philadelphia, PA, USA and Atul Humar, MD, Toronto General Hospital, Toronto, ON, USA

- 7:00 am Top 5 Papers: Viruses**
Lara Danziger-Isakov, MD, MPH
University of Cincinnati
Cincinnati, OH, USA
- 7:25 am Top 5 Papers: Bacteria**
Shirish Huprikar, MD
Icahn School of Medicine at Mount Sinai
New York, NY, USA
- 7:50 am Top 5 Papers: Fungi et al.**
Robin Avery, MD
Johns Hopkins
Baltimore, MD, USA

VCA: Psychosocial Care of VCA Patients: Emerging Aspects

Room E352

Moderators: Gerry S. Lipshutz, MD, MS, UCLA, Los Angeles, CA, USA and Linda Cendales, MD, Duke University, Durham, NC, USA

- 7:00 am Key Domains of the Psychosocial Assessment in VCA**
Sheila Jowsey-Gregoire, MD
Mayo Clinic
Rochester, MN, USA
- 7:25 am Psychosocial Complications in VCA: Worldwide Experience and Considerations**
Palmina Petruzzo, MD
University of Cagliari
Cagliari, Italy
- 7:50 am – 8:15 am Psychosocial Aspects of Genitourinary Transplantation and Review of the Current Experience**
Curtis Cetrulo, MD
Massachusetts General Hospital
Boston, MA, USA

Optimizing Pharmacologic Risk Assessment of Transplant Recipients and Living Donors

Room E450A

Moderators: Maya Campara, PharmD, BCPS, University of Illinois at Chicago, Chicago, IL, USA and Bharath Ravichandran, PharmD, University of Maryland Medical Center, Baltimore, MD, USA

- 7:00 am Identification and Management of High Pharmacologic Risk Candidates**
Jennifer Trofe-Clark, PharmD, BCPS
Univ of Pennsylvania
Philadelphia, PA, USA
- 7:25 am Structuring and Sustaining Transplant Pharmacy Services in the Pre-Transplant Setting**
Angela Maldonado, PharmD, BCPS
Vidant Medical Center – Transplant Services
Greenville, NC, USA
- 7:50 am Pharmacologic Risk Assessment in Living Donors**
Laura Myhre, PharmD, BCPS
Mayo Clinic Rochester
Rochester, MN, USA

Joint Plenary Session I

8:30 am – 9:30 am

Arie Crown Theater

Chairs: Anil Chandraker, MD, FASN, FRCP, Brigham and Women's Hospital, Boston, MA, USA and Timothy L. Pruett, MD, University of Minnesota, Minneapolis, MN, USA

- 8:30 am Transplanting Hepatitis C Kidneys into Negative Kidney Recipients [THINKER] Trial (Abstract #1)**
David Goldberg, Emily Blumberg, Rajender Reddy, Susanna Nazarian, Viviana Van Deerlin, Jen Trofe-Clarke, Matt Levine, Deirdre Sawinski, Roy Bloom, Peter Abt, Peter Reese.
Philadelphia.
- 8:45 am EXPANDER-1: Exploring Renal Transplants Using Hepatitis-C Infected Donors for HCV-Negative Recipients (Abstract #2)**
Christine M. Durand, Diane Brown, Russell Wesson, Nicole Bhair, Fizza Naqvi, Darin Ostrander, Mary G. Bowring, Allan B. Massie, Sarah Rasmussen, Jeremy Sugarman, Dorry L. Segev, Mark Sulkowski, Niraj Desai.
Baltimore, MD.

9:00 am Emerging Application of Active Immune Targeted Delivery in Transplantation (Abstract #3)
Mayuko Uehara, Jamil Azzi, Baharak Bahmani, Jianjun Cheng, Qian Yin, Li Tang, Kaimin Cai, Qidi Sun, Mincheol Kwon, Qiaobing Xu, Gerald Brandacher, Reza Abdi. Boston; IL; Baltimore.

9:15 am Uptake of Extracellular Mitochondria Activates Human Endothelial Cells That Stimulate Alloreactive Effector T Cell Responses (Abstract #4)
Todd V. Brennan, Feifei Feng, Liwen Lin, Mingqing Song, Qi-Jing Li, Allan D. Kirk, He Xu. Durham, NC.

Joint Award Session

9:30 am – 9:45 am

Arie Crown Theater

ASTS Pioneer Award

9:45 am – 10:00 am

Arie Crown Theater

AST Lifetime Achievement Award

10:00 am – 10:15 am

Arie Crown Theater

Coffee Break with Exhibits

10:15 am – 10:45 am

Hall D1

State-of-the-Art Address

10:45 am – 11:15 am

Arie Crown Theater

The Tortuous Path to Allograft-specific Therapies

*Marc Jenkins, PhD
University of Minnesota Medical School
Minneapolis, MN, USA*

Midday Symposia

11:30 am – 1:00 pm

Advances of Laparoscopic Technique in Living Donor Hepatectomy

Room E450A

Moderators: Kyung-Suk Suh, MD, Seoul National University Hospital, Seoul, Republic of Korea and Kim Olthoff, MD, University of Pennsylvania, Philadelphia, PA, USA

11:30 am Pure Laparoscopic Donor Right Hepatectomy Using ICG Technique

*Kyung-Suk Suh, MD
Seoul National University Hospital
Seoul, Republic of Korea*

11:50 am Hybrid and Other Modified Laparoscopic Donor Hepatectomy

*Susumu Eguchi
Nagasaki University Graduate School of Biomedical Sciences
Nagasaki, Japan*

12:10 pm Robot-assisted Donor Hepatectomy

*Pier Cristoforo Giulianotti, MD, FACS
University of Illinois at Chicago
Chicago, IL, USA*

12:30 pm Discussion

Re-transplantation of a VCA – Debate

Room E352

Moderators: Kenneth Brayman, MD, PhD, University of Virginia Health System, Charlottesville, VA, USA and Darla Granger, MD, St. John Hospital and Medical Center, Detroit, MI, USA

11:30 am Re-transplantation of a VCA – PRO

*Warren Breidenbach, MD
University of Arizona
Tucson, AZ, USA*

12:00 pm Re-transplantation of a VCA – CON

*Simon Talbot, MD
Brigham and Women's Hospital
Boston, MA, USA*

12:30 pm Discussion

Allo-induced Autoimmunity: The Perfect and Underappreciated Storm in Transplantation

Room E451B

Moderators: Robert Fairchild, PhD, Cleveland Clinic, Cleveland, OH, USA and Lori West, MD, D.Phil, University of Alberta/CNTRP, Edmonton, AB, Canada

11:30 am Autoimmunity in Lung Transplantation
Thalachallour Mohanakumar, PhD
St. Joseph's Hospital and Medical Center
Phoenix, AZ, USA

12:00 pm Apoptotic Exosomes: The Missing Link between Tissue Injury, Autoantibodies and Rejection
Marie-Josée Hébert
CHUM
Montreal, QC, Canada

12:30 pm Natural Antibodies from Allosensitization to Rejection
Emmanuel Zorn, PhD
Columbia Univ.
New York, NY, USA

Chronic Antibody Mediated Rejection – When Should We Intervene and Does It Matter?

Arie Crown Theater

Moderators: E. Steve Woodle, MD, Univ of Cincinnati Clg of Med, Cincinnati, OH, USA and Michael Davis, MD, University of New Mexico, Albuquerque, NM, USA

11:30 am The Impact of Alloantibody/Subclinical AMR on Chronic Allograft Injury
Alexandre Loupy, MD, PhD
Paris Transplant Group
Paris, France

12:00 pm What is the Impact of Clinical AMR on Long-Term Outcomes?
Dorry Segev, MD, PhD
Johns Hopkins University
Baltimore, MD, USA

12:30 pm Therapies for AMR: What Works and is there Anything New?
Stanley Jordan, MD
Cedar Sinai Los Angeles
West Hollywood, CA, USA

Why are Kidneys Discarded and What Can Be Done about It?

Room E354A

Moderators: Amit Mathur, MD, MS, FACS, Mayo Clinic Arizona, Phoenix, AZ, USA and Matthew Cooper, MD, Medstar Georgetown Transplant Institute, Washington DC, USA

11:30 am Epidemiology of Deceased Donor Kidney Discards in the United States
Jesse Schold, PhD, M. Stat, M.Ed.
Cleveland Clinic Foundation
Cleveland, OH, USA

12:00 pm PRO: Biopsy of Deceased Donor Kidneys Provides Valuable Information
Michael Mengel, MD
University of Alberta
Edmonton, Canada

12:15 pm CON: Biopsy of Deceased Donor Kidneys Provides Valuable Information
Arthur Matas
University of Minnesota
Minneapolis, MN, USA

12:30 pm Strategies to Decrease Organ Discard – From Pumps to Policy
Lloyd Ratner, MD, MPH
Columbia University
New York, NY, USA

Management of Viral Hepatitis Before and After Solid Organ Transplantation

Room E450B

Moderators: Walid Ayoub, MD, Cedars Sinai Medical Center, Los Angeles, CA, USA and Nancy Reau, MD, Rush University Medical Center, Chicago, IL, USA

11:30 am Treatment of Hepatitis C Before and After Liver Transplantation
Robert Brown, MD
Weill Cornell Medical College
New York, NY, USA

12:00 pm Treatment of Hepatitis C Before and After Non-Liver Transplantation
Norah Terrault, MD, MPH
UCSF
San Francisco, CA, USA

12:30 pm Management of Hepatitis B in Organ Transplant Candidates and Recipients
Paul Martin, MD
University of Miami School of Medicine
Miami, FL, USA

Sunday, April 30

Strategies for Extending the Cardiac Donor Pool

Room E351

Moderators: Geetha Bhat, PhD, MD, FACC, FAST, Advocate Christ Medical Center, Oak Lawn, IL, USA and Jeffrey Teuteberg, MD, University of Pittsburgh, Pittsburgh, PA, USA

- 11:30 am Are We Currently Taking Too Many Risks or Not Enough?**
Allen Anderson, MD, FACC
Northwestern University
Chicago, IL, USA
- 11:45 am High Risk Donors: What the Department of Health Says or Doesn't Say**
Robin Avery, MD
Johns Hopkins
Baltimore, MD, USA
- 12:00 pm Hepatitis C Donors: Do New Therapies Mean New Options?**
Jignesh Patel, MD, PhD
Cedars-Sinai Heart Institute
Beverly Hills, CA, USA
- 12:15 pm OCS: Is It Ready for Prime Time?**
Abbas Ardehali, MD
UCLA
Los Angeles, CA, USA
- 12:30 pm DCD Hearts: Small Step or Great Leap in Expanding the Donor Pool?**
Kumud Dhital, MD, PhD, FRACS
St Vincent's Hospital
Sydney, Australia

12:45 pm Discussion

Strategies for Expanding the Donor Pool in Lung Transplantation

Room E451A

Moderators: Cassie Kennedy, MD, Mayo Clinic, Rochester, MN, USA and Cynthia Gries, MD, MSc, Florida Hospital, Orlando, FL, USA

- 11:30 am Expanding the Lung Donor Pool: Ex Vivo Lung Perfusion**
Andrew Fisher, PhD, FRCP
Newcastle University
Newcastle Upon Tyne, United Kingdom
- 12:00 pm Expanding the Lung Donor Pool: Use of Increased Risk Donors**
Michael Ison, MD, MS
Northwestern University Feinberg School of Medicine
Chicago, IL, USA

- 12:30 pm Expanding the Current Donor Pool: Donation After Circulatory Determination of Death (DCDD)**
Joshua Mooney, MD
Stanford University Medical Center
Stanford, CA, USA

Advances in Beta Cell Replacement

Room E350

Moderators: Jon Odorico, MD, University of Wisconsin School of Medicine and Public Health, Madison, WI, USA and James Markmann, MD, PhD, Massachusetts General Hospital, Boston, MA, USA

- 11:30 am From Licensure to Application, What's Next for Allogeneic Islet Transplantation**
Jose Oberholzer, MD
Univ of Illinois at Chicago
Chicago, IL, USA
- 12:00 pm Advances in Islet Xenotransplantation**
Bernhard Hering, MD
Univ of Minnesota
Minneapolis, MN, USA
- 12:30 pm Stem Cell Derived Beta Cells**
Peter Stock, MD, PhD
UCSF
San Francisco, CA, USA

CMV in 2017: What's Hot, What's New?

Room E354B

Moderators: Deepali Kumar, MD, University of Toronto, Toronto, ON, Canada and Nassim Kamar, MD, PhD, Toulouse University Hospital, Toulouse, France

- 11:30 am Negative Impacts of CMV on the Transplant Allograft & Optimal Prevention**
Raymund Razonable, MD
Mayo Clinic
Rochester, MN, USA
- 12:00 pm The T Cell Response to CMV Infection: Bench to Bedside**
Laurie Snyder, MD, MHS
Duke University
Durham, NC, USA
- 12:30 pm Anti-CMV Armamentarium of the Future**
Camille Kotton, MD
Massachusetts General Hospital
Boston, MA, USA

Bench to Bedside – B cells

Room E353C

Moderators: *Xian Li, MD, PhD, Houston Methodist, Houston, TX, USA and Anita Chong, PhD, The University of Chicago, Chicago, IL, USA*

11:30 am Basic- How B Cells Influence the Immune Response

*Peter Nickerson, MD, FRCPC
University of Manitoba
Winnipeg, MB, Canada*

12:00 pm Translational- Regulatory B Cells in Kidney Transplant Recipients

*David Rothstein, MD
Univ of Pittsburgh
Pittsburgh, PA, USA*

12:30 pm Clinical- B Cell Modulation in Transplantation

*Menna Clatworthy
University of Cambridge
Cambridge, United Kingdom*

Resident Immune Cells in Immunity and Transplant

Room E353AB

Moderators: *Mandy Ford, PhD, Emory University, Atlanta, GA, USA and Jordan Pober, MD, PhD, Yale University School of Med, New Haven, CT, USA*

11:30 am Differentiation of Tissue Resident Memory T cells

*Alexander Kroemer
Georgetown University
Washington, DC, USA*

12:00 pm Tissue Resident Memory T Cells in Lung Inflammation and Asthma

*Daniel Kreisel, MD, PhD
Washington University St. Louis
St. Louis, MO, USA*

12:30 pm Impact of Donor-Derived Tissue-Resident Cells on Alloimmunity Following Transplantation

*Gavin Pettigrew, MD
University of Cambridge
Cambridge, United Kingdom*

Luncheon Workshops – Ticketed Events

1:00 pm – 2:15 pm

1. Liver Transplant Histopathology and Clinical Correlation: A Review of Both the Basic and Complex

Moderators: *Thomas D. Schiano, MD, FACS, Icahn School of Medicine, Mt. Sinai, New York, NY, USA and M. Isabel Fiel, MD, Icahn School of Medicine at Mount Sinai, New York, NY, USA*

2. How to Maximize Islet Yield from Chronic Pancreatitis Pancreases Intended for Islet Auto-Transplantation

Moderators: *Michael Hughes, Jr., MD, University of Louisville, Louisville, KY, USA, Rainer Gruessner, MD, SUNY Upstate Medical University, Syracuse, NY, USA and Balamurugan N. Appakalai, PhD, Cardiovascular Innovation Institute, University of Louisville, Louisville, KY, USA*

3. The Role of Professional Coaching in Developing Emotional Intelligence and Promoting Cultural Competency

Moderators: *Jorge Ortiz, MD, University of Toledo, Toledo, OH, USA and Jayme Locke, MD, MPH, University of Alabama at Birmingham, Birmingham, AL, USA*

4. Transplant Dermatology: New Evidence, New Approaches and a Fresh Mandate for Interdisciplinary Collaboration

Moderators: *Christina Lee Chung, MD, Drexel University, Philadelphia, PA, USA and Simon Yoo, Northwestern University*

5. TransQIP: A View from the Trenches – Results of the Pilot Phase for Kidney and Liver Transplantation

Moderators: *Stuart Greenstein, MD, Montefiore Medical Center, Bronx, NY, USA, Ryutaro Hirose, MD, UCSF, San Francisco, CA, USA and Justin Parekh, MD, UT Southwestern, Dallas, TX, USA*

Transplantation in Depth

1:30 pm – 4:30 pm

The Endothelium as a Target of Alloimmune Attack in Transplantation

Room E353AB

Moderators: *David Briscoe, MD, MB, BCH, Boston Children's Hospital, Boston, MA, USA and Bryna Burrell, PhD, Immune Tolerance Network, Bethesda, MD, USA*

1:30 pm Mechanisms of Transendothelial Migration

*William Muller, MD, PhD
Northwestern University Feinberg School of Medicine
Chicago, IL, USA*

2:05 pm The Role of Lymphatic Endothelium in Regulating Adaptive Immunity

*Melody Swartz, PhD
University of Chicago
Chicago, IL, USA*

2:40 pm Tregs and Transendothelial Migration
Jonathan Bromberg, MD, PhD
University of Maryland
Baltimore, MD, USA

3:15 pm The Endothelium and Its Role in Allograft Rejection
Jordan Pober, MD, PhD
Yale University School of Med
New Haven, CT, USA

3:50 pm Anti-Donor Antibody and Endothelial Injury
Elaine Reed, PhD
Univ of California LA
Los Angeles, CA, USA

4:25 pm Discussion

Concurrent Oral Abstract Sessions

2:30 pm – 4:00 pm

Assessing Risk for Antibody-Mediated Rejection in Kidney Transplant Recipients

Room E354A

Chairs: David Landsberg, MD, St. Paul's Hospital, University of British Columbia, Vancouver, BC, Canada and E. Steve Woodle, University of Cincinnati, Cincinnati, OH, United States

2:30 pm Lower Mean Tacrolimus Troughs Increase Risk of De Novo Donor-Specific Antibodies in the First Year of Kidney Transplant (Abstract #5)
Scott Davis, Jane Gralla, Patrick Klem, Alexander Wiseman, James Cooper.
Aurora, CO.

2:42 pm Kidney Transplant Rejection Associated with DQ Eplet Mismatches (Abstract #6)
Samuel Chakola, Paul Warner, Nicole Andeen, Behzad Najafian, Nicolae Leca, Christopher Blosser.
Seattle, WA.

2:54 pm Association with Tacrolimus Intraindividual Variability, Acute Microinflammation Based on 1 Year-Transplanted Kidney Biopsy After Transplantation and Biopsy-Proven Acute Rejection (Abstract #7)
Song-Yi Kim, Sang-Il Min, Won Pyo Cho, Sungsin Cho, Min-Ji Cho, Sanghyun Ahn, Seung-Kee Min, Jongwon Ha.
Seoul, Korea.

3:06 pm Long-Term Liver and Kidney Survival Following Combined Liver-Kidney Transplantation, with or without Preformed Donor-Specific Antibodies (Abstract #8)
Arnaud Del Bello, Oriol Bestard, Jonathan Visentin, Nicolas Congy-Jolivet, Lionel Couzi, Martine Neau-Cransac, Frederic Jambon, Nassim Kamar.
Toulouse, France; Barcelona, Spain; Bordeaux, France.

3:18 pm Biological Interplay Between Circulating HLA-sp Alloreactive Memory B-Cells and Long-Lived Plasma Cells in Kidney Transplant Patients Undergoing Chronic ABMR (Abstract #9)
Sergi Luque, Marc Lúcia, Marta Jarque, Elena Crespo, Edoardo Melilli, Jaume Martorell, Josep M. Cruzado, Joan Torras, Josep M. Grinyó, Oriol Bestard.
Barcelona, Spain; Stanford.

3:30 pm Tacrolimus Appears to Be a Protective Factor for De Novo DSA Formation in Non-Sensitized Kidney Transplant Patients (Abstract #10)
Marie Marron-Wojewodzki, Ilan Szwarz, Céline Rene, Georges Mourad, Moglie Le Quintrec.
Montpellier, France.

3:42 pm Long-Term Outcome of Antibody-Mediated Rejection Due to Pre-Existing vs. De Novo DSA in Kidney Allograft Recipients (Abstract #11)
O. Aubert, C. Lefaucheur, S. Higgins, L. Hidalgo, J. P. Duong Van Huyen, D. Viglietti, X. Jouven, D. Glotz, P. Halloran, A. Loupy.
Paris, France; Edmonton, Canada.

B Cells in Alloimmunity

Room E350

Chairs: David Rothstein, Univ of Pittsburgh, Pittsburgh, PA, United States and Melissa Yeung, Brigham & Women's Hospital / Harvard Medical School, Boston, MA, United States

2:30 pm Characterization of a B Lymphocyte Signature Predictive of Chronic Lung Allograft Dysfunction (Abstract #12)
Carole Brosseau, Maxim Durand, Eugénie Durand, Jennifer Loy, Aurore Foureau, Philippe Lacoste, Pierre-Joseph Royer, Antoine Magnan, Sophie Brouard.
Nantes, France.

2:42 pm B Cell-Derived Cytokines Rather Than T/B Cognate Interactions Mediate CD8 T Cell Reconstitution Following Lymphoablation (Abstract #13)

Daniel B. Zwick, Katayoun Ayasoufi, Ran Fan, Victoria Gorbacheva, Karen S. Keslar, Robert L. Fairchild, Anna Valujskikh. Cleveland, OH.

2:54 pm Dual Targeting with Carfilzomib and Tocilizumab Abrogates Antibody-Mediated Rejection and Prolongs Survival in a Highly Sensitized Rhesus Model of Kidney Transplantation (Abstract #14)

Brian Ezekian, Jean Kwun, Miriam Manook, Kyle Freischlag, Verna Curfman, Evelyn Branum, Jae Berm Park, John S. Yi, Stanley C. Jordan, Stuart J. Knechtle. Durham, NC; Los Angeles, CA.

3:06 pm Effective Targeting Plasma Cells with Daratumumab (Anti-CD38) and Mozobil (Anti-CXCR4) in a Sensitized Non-Human Primate Model (Abstract #15)

Jean Kwun, Brian Ezekian, Miriam Manook, Evelyn Branum, Verna Curfman, Jaeberm Park, Kyle Freishlag, Janghoon Yoon, Stuart Knechtle. Durham, NC; Seoul, Korea.

3:18 pm Dual Targeting of Costimulation and Proteasome to Desensitize and Prolong Graft Survival of Sensitized Nonhuman Primates (Abstract #16)

Jean Kwun, Christopher Burghuber, Miriam Manook, Brian Ezekian, Jaeberm Park, Kyle Freishlag, Janghoon Yoon, Neal Iwakoshi, Alton Farris, Stuart Knechtle. Durham, NC; Seoul, Korea; Atlanta, GA.

3:30 pm Thrombalexin: Use of a Cytotoxic Anticoagulant to Reduce Thrombotic Microangiopathy in a Highly Sensitized Model of Kidney Transplantation (Abstract #17)

Miriam Manook, Jean Kwun, Janghoon Yoon, Kannan Samy, Andrea MacDonlad, He Xu, Richard Smith, Stephen Sacks, Anthony Dorling, Nizam Mamode, Stuart Knechtle. Durham, NC; Sondon, United Kingdom; London, United Kingdom.

3:42 pm TACI Polymorphisms Associated with De Novo Alloantibodies in Humans and Allograft Rejection in Mice (Abstract #18)

Jeffrey L. Platt, Evan A. Farkash, Adam R. Lefferts, Milagros Samaniego, Marilia Cascalho. Ann Arbor, MI.

Clinical Science: Liver – Hepatocellular Carcinoma

Room E451B

Chairs: John Lake, University of Minnesota, Minneapolis, MN, United States and Gregory McKenna, Baylor University Medical Center, Dallas, TX, United States

2:30 pm Increasing Liver Transplant Waitlist Dropout for Hepatocellular Carcinoma with Widening Geographical Disparities: Implications for Organ Allocation (Abstract #19)

N. Mehta, M. Sarkar, J. Dodge, R. Hirose, J. P. Roberts, F. Yao. San Francisco.

2:42 pm Current Treatments for Small Hepatocellular Carcinoma: A Network Meta-Analysis of Randomized Controlled Trials (Abstract #20)

Zhiyong Guo, Zhouying Zheng, Xiaoshun He, Guodong Chen. Guangzhou, China.

2:54 pm Multicenter Validation of a Clinicopathologic Risk Score to Predict Hepatocellular Carcinoma Recurrence Following Liver Transplantation: Analysis of 4984 Patients from the US Multicenter HCC Transplant Consortium (Abstract #21)

Vatche G. Agopian, On Behalf of the US Multicenter HCC Transplant Consortium. LA.

3:06 pm A Pretransplant Model Incorporating Serum Biomarkers Is Superior to the Milan Criteria in Stratifying Risk of Hepatocellular Carcinoma Recurrence Following Liver Transplantation: Analysis of 4407 Patients from the US Multicenter HCC Transplant Consortium (Abstract #22)

Vatche G. Agopian, On Behalf of the US Multicenter HCC Transplant Consortium. LA.

3:18 pm Long Wait Time Regions for Liver Transplantation for HCC Have a Higher Cumulative Incidence of Death (Abstract #23)

Rachel Hogen, Joseph Dinorcia, Mary Lo, Brian Nguyen, Yuri Genyk, Linda Sher, Kiran Dhanireddy. Los Angeles, CA.

3:30 pm Hispanic Paradox in Patients with Liver Cirrhosis (Abstract #24)

K. Atiemo, J. Caicedo, D. Ganger, E. Gordon, L. Zhao, S. Montag, H. Maddur, L. VanWagner, L. Kulik, S. Flamm, S. Goel, A. Kho, R. Kang, M. Abecassis, D. Ladner. Chicago.

3:42 pm Sirolimus Prolonged Survival After Living Donor Liver Transplantation for HCC Beyond Milan Criteria; Outcome of a Multicenter Prospective Randomized Phase II Trial (ClinicalTrials.gov Identifier: NCT01374750) (Abstract #25)

Kwang-Woong Lee, Seoung-Hoon Kim, Nam-Joon Yi, Suk-Kyun Hong, GyungChul Yoon, Hyeyoung Kim, Donggyu Oh, Sung-Sik Han, Sang-Jae Park, Kyung-Suk Suh. Seoul, Republic of Korea; Goyangsi, Republic of Korea.

Cutting Edge – Cytomegalovirus

Room E353C

Chairs: Shirish Huprikar, The Mount Sinai Hospital, New York-, NY, United States and Raymond Razonable, Mayo Clinic College of Medicine, Rochester, MN, United States

2:30 pm Contribution of New Generation Sequencing to CMV Resistance Analysis in Renal Transplant Recipients (on Behalf of the CMV Resist Group) (Abstract #26)

Clément Danthu, Melissa Gomes-Mayeras, Deborah Andouard, Eliza Munteanu, Remi Moulinas, Gaetan Ligat, Sebastien Hantz, Jean Philippe Rerolle, Françoise Garnier, Marie Essig, Sophie Alain. Limoges, France.

2:42 pm Prospective Randomized Trial for Predicting CMV Infection According to Baseline CMV-Specific T-Cell Immunity in Kidney Transplant Patients (Abstract #27)

Marta Jarque, Edoardo Melilli, Alex Gutierrez, Francesc Moreso, Lluís Guirado, Anna Manonelles, Josep M. Cruzado, Sergi Luque, Elena Crespo, Núria Montero, Fritz Diekman, Josep M. Grinyó, Oriol Bestard. Barcelona, Spain; Zaragoza, Spain.

2:54 pm Pre-Transplant CMV-Specific T-Cell Immunity Is an Additional Independent Variable Predicting CMV Infection After Kidney Transplantation (Abstract #28)

Elena Crespo, Marta Jarque, Sergio Luque, Edoardo Melilli, Anna Manonelles, Salvador Gil-Vernet, Josep M. Cruzado, Josep M. Grinyó, Oriol Bestard. Barcelona, Spain.

3:06 pm Efficacy and Safety of ASP0113 versus Placebo in CMV-Seronegative Kidney Transplant Patients Receiving an Organ from a CMV-Seropositive Donor (Abstract #29)

Flavio L. Vincenti, Klemens Budde, Pierre Merville, Fuad Shihab, V. Ram Peddi, Malay Shah, Elisabeth Cassuto-Viguier, Alexander Weidemann, Misun Lee, Teresa Flegel, Jay Erdman, Xuegong Wang, Christopher Lademacher. San Francisco; Berlin, Germany; Bordeaux, France; Salt Lake City; Lexington; Nice, France; Erlangen, Germany; Cologne, Germany; Chicago.

3:18 pm Impact of T-Cell Depletion on CMV-Specific Memory T and B Cell Homeostatic Proliferation After Kidney Transplantation (Abstract #30)

Marta Jarque, Sergi Luque, Elena Crespo, Edoardo Melilli, Joan Torras, Josep M. Grinyó, Oriol Bestard. Barcelona, Spain.

3:30 pm Can Viral Load Be Used as a Surrogate Marker in Clinical Studies of Cytomegalovirus in Solid Organ Transplantation: A Systematic Review and Metaanalysis (Abstract #31)

Yoichiro Natori, Ali Alghamdi, Deepali Kumar, Veronica Miller, Per Ljungman, Shahid Husain, Atul Humar. Toronto, Canada; Berkeley; Solna, Sweden.

3:42 pm BK Virus, Cytomegalovirus and Epstein-Barr Virus Reactivation in Renal Transplant Patients: Results from a Large Multicenter Study (Abstract #32)
Arturo Blázquez-Navarro, Chantip Dang-Heine, Michal Or-Guil, Chris Bauer, Timm Westoff, Christian Hugo, Petra Reinke, Birgit Sawitzki, Nina Babel. Berlin, Germany; Herne, Germany; Dresden, Germany.

Heart Waitlist and Allocation: Working to Get It Right

Room E267

Chairs: Allen Anderson, MD, Northwestern, Chicago, IL, United States and Sean Pinney, MD, Mount Sinai Hospital, New York, NY, United States

2:30 pm To Accept or Not Accept, That Is the Question: Donor Heart Selection Process and Outcome of Discarded Organs Transplanted in Another Center (Abstract #33)
Arezu Z. Aliabadi-Zuckermann, Johannes Goekler, Alexandra Kaider, Julia Riebandt, Roxana Moayedifar, Emilio Osorio, Thomas Haberl, Guenter Laufer, Jacqueline Smits, Andreas Oliver Zuckermann. Vienna, Austria; Leiden, Netherlands.

2:42 pm Minimal Effect of Broader Heart Sharing on Regional Outcomes (Abstract #34)
Abbas Bitar, M. Skeans, R. Davies, M. Farr, A. Kao, L. Robbins-Callahan, J. Rogers, S. Silvestry, Monica Colvin. Ann Arbor, MI; Mpls, MN; Wilmington, DE; NY, NY; KC, MO; Richmond, VA; Durham, NC; Orlando, FL.

2:54 pm Trends in the Number and Medical Urgency of Adult Heart Transplant Candidates Listed as Status 1A from 2006-2015 (Abstract #35)
William F. Parker, Matthew Churpek, Savitri Fedson, Edward Garrity. Chicago, IL; Houston, TX.

3:06 pm Precise Antibody Characterization Using Multiple Solid Phase Assay Platforms Is Critical for Accurate Virtual Crossmatching (Abstract #36)
Dong Li, Olga Timofeeva, Mariam Awwad, Chelsea Cody, Samer S. Najjar, Sandra Rosen-Bronson. Washington, DC.

3:18 pm Redefining Pediatric Heart Status 1A and 1B Criteria: Results of Early Policy Evaluation (Abstract #37)
Wida Cherikh, Ryan Davies, Yulin Cheng, William Mahle. Richmond, VA; Wilmington, DE; Atlanta, GA.

3:30 pm The Ultimate Calculated Panel Reactive Antibody Value Predicts Mortality After Heart Transplantation (Abstract #38)
Evan Kransdorf, Michelle Kittleson, Jignesh Patel, Marcelo Pando, Lawrence Czer, Jon Kobashigawa. Los Angeles; Phoenix.

3:42 pm Simultaneous or Sequential Heart-Liver Transplantation Confer Superior Survival in Patients with Listed for Heart-Liver Transplantation: A National Analysis (Abstract #39)
Kevin Anderson, Michael Mulvihill, Babatudne Yerokun, Andrew Barbas, Matthew Hartwig. Durham, NC.

Innate Pathways of Clinical Alloreactivity

Room E352

Chairs: Camila Macedo, MD, Starzl Transplantation Institute- University of Pittsburgh, Pittsburgh, PA, United States and Angus Thomsom, PhD, DSc, University of Pittsburgh, Pittsburgh, PA, United States

2:30 pm Innate Lymphoid Cells Play a Critical Role in Regulating Allograft Homeostasis in Human Intestinal Transplantation (Abstract #40)
Priscilla Cha, Brenna Houlihan, Jason Kaiser, Christopher Cosentino, Brian Monahan, Anshi Shukla, Jason Hawksworth, Cal Matsumoto, Thomas Fishbein, Alexander Kroemer. Washington, DC.

2:42 pm Autophagy Regulates LG3 Maturation and Export in Apoptotic Exosome-Like Vesicles (Abstract #41)
Déborah Beillevaire, Migneault Francis, Gingras Diane, Boilard Éric, Dieudé Mélanie, Hébert Marie-Josée. Montréal, Canada; Québec, Canada; Edmonton, Canada.

2:54 pm mTOR Inhibition Diminishes Peripheral Blood CD8⁺CD28⁺CD38^{hi} Effector/Memory T Cells and Facilitates Resolution of Belatacept-Refractory Kidney Rejection (Abstract #42)

Cyd M. Castro-Rojas, Alzbeta Godarova, Abbie Leino, Rita R. Alloway, Michael B. Jordan, E. Steve Woodle, David A. Hildeman. Cincinnati, OH.

3:06 pm A Novel 3-Dimensional Culture System Enables In Vitro Study of Human Bone Marrow Plasma Cells (Abstract #43)

J. J. Driscoll, S. Tremblay, S. J. Knechtle, E. S. Woodle. Cincinnati, OH; Durham, NC.

3:18 pm CMV-Infected Kidney Grafts Drive the Expansion of Blood-Born CMV-Specific T-Cells Restricted by Shared HLA Molecules Through Presentation on Donor's Cells (Abstract #44)

Philippe Gatault, Sally Al-Hajj, Johan Noble, Eloi Chevallier, Marie Piollet, Catherine Forconi, Roxane Lemoine, Jean-Michel Halimi, Matthias Büchler, Christophe Baron. Tours, France.

3:30 pm CD16a-Activated NK Cells in ABMR Are Highly Similar to CD3-Activated Effector T Cells in TCMR (Abstract #45)

Michael D. Parkes, Philip F. Halloran, Luis G. Hidalgo. Edmonton, Canada.

3:42 pm Glycolytic and Glutaminolytic Metabolism Supports IL-15 Induced Inflammatory Response of Temra CD8 from Kidney Transplant Recipients (Abstract #46)

Tra-My Doan-Ngoc, Gaelle Tilly, Michelle Yap, Aurélie Caristan, Lola Jacquemont, Richard Danger, Marion Cadoux, Sarah Bruneau, Magali Giral, Pierrick Guerif, Bryan Nicol, Alexandra Garcia, David Laplaud, Sophie Brouard, Claire Pecqueur, Nicolas Degauque. Nantes, France.

Kidney HLA Antibodies

Room E354B

Chairs: Amgad El-Agroudy, MBChB, PhD, FASN, FACP, Mansoura University, Mansoura, DK, Egypt and Richard Fatica, MD, Cleveland Clinic, Cleveland, OH, United States

2:30 pm De Novo Donor-Specific Antibodies After Allograft Nephrectomy (Abstract #47)

Gaetano Lucisano, Paul Brookes, Eva Santos-Nunez, Nicola Firmin, Nicola Gunby, Sevda Hassan, Alexander Gueret-Wardle, Michelle Willicombe, David Taube. London, United Kingdom.

2:42 pm De Novo, Non-Donor Specific HLA Antibodies Are Associated with Inferior Allograft Outcomes After Kidney and Simultaneous Kidney-Pancreas Transplantation (Abstract #48)

Sevda Hassan, Gaetano Lucisano, Eva Santos, Denise McKeown, Dawn Goodall, Alexander Gueret-Wardle, Adam McLean, Paul Brooks, Michelle Willicombe, David Taube. London, United Kingdom.

2:54 pm Blood Transfusion Induced Donor Specific Antibodies Are Associated with Rejection and Graft Failure (Abstract #49)

Sevda Hassan, Fiona Regan, Colin Brown, Andrea Harmer, Nicky Anderson, Paul Brookes, David Taube, Michelle Willicombe. London, United Kingdom.

3:06 pm Outcomes of Protocol Allograft Kidney Biopsy in DeNovo Donor Specific Antibodies (Abstract #50)

Sandesh Parajuli, Patrick K. Reville, Thomas M. Ellis, Arjang Djarnali, Didier Mandelbrot. Madison, WI.

3:18 pm Significant Allosensitisation Despite Early, within 24 Hour, Graft Nephrectomy (Abstract #51)

Gaetano Lucisano, Paul Brookes, Eva Santos-Nunez, Nicola Firmin, Nicola Gunby, Sevda Hassan, Alexander Gueret-Wardle, Michelle Willicombe, David Taube. London, United Kingdom.

3:30 pm Graft Survival in De Novo Donor-Specific Antibodies and Positive Flow Crossmatch Kidney Transplants Is Influenced by Class I and Class II (Abstract #52)

S. Montag, B. Ho, H. Bhagat, E. Lee, K. Atiemo, A. Daud, R. Kang, L. Zhao, J. Schwartz, D. Ladner. Chicago; Northbrook; Atlanta.

3:42 pm Incidence of De Novo Donor-Specific Antibodies Following Kidney Transplantation (Abstract #53)

B. Ho, H. Bhagat, E. Lee, K. Atiemo, A. Daud, R. Kang, S. Montag, L. Zhao, J. Schwartz, D. Ladner. Chicago; Northbrook; Atlanta.

Kidney Living Donor Evaluation and Recruitment

Room E450A

Chairs: Gabriel Danovitch, David Geffen School of Medicine @ UCLA, Los Angeles, CA, United States and Elisa Gordon, PhD, MPH, Northwestern U Feinberg Sch of Medicine, Chicago, IL, United States

2:30 pm Shared Epitopes Contribute to Accumulation of Highly Sensitized Patients in Kidney Paired Donation Program (Abstract #54)

Stanislaw Stepkowski, Beata Mierzejewska, Caitlin Baum, Dulat Bekbolsynov, Robert Brunner, Jonathan Kopke, Susan Rees, Michael Rees. Toledo, OH.

2:42 pm Assessment of the Risk Index for Living Donor Kidney Transplantation (LKDPI) in a European Cohort (Abstract #55)

Oliver Staeck, Gregor Rehse, Dmytro Khadzhyonov, Anna Kleinsteuber, Lukas Lehner, Michael Duerr, Klemens Budde, Fabian Halleck. Berlin, Germany.

2:54 pm Zero HLA Mismatch Matters in ABO Incompatible Kidney Transplant (Abstract #56)

Tarek Alhamad, Krista Lentine, Karthikeyan Venkatachalam, Andrew Malone, Daniel Brennan. St. Louis.

3:06 pm Post-Donation Remaining Donor Kidney Function as Measured by CKD-EPI Formula at 2 Years Correlates and Is Predicted by Remaining Donor Kidney Volume (Abstract #57)

Syed A. Hussain, Alejandro Diez, Ali Khalil, Muhammad S. Yaqub, Dennis Mishear, Tim Taber, Oluwafisafyo Adebiyi, Chandru Sundaram, William Goggins, John Powelson, Asif Sharfuddin. Indianapolis.

3:18 pm Advanced Donation within a Paired Exchange Program (Abstract #58)

Marian Charlton, Farrah Desrosiers, Gretchen Bretzlaff, David Serur. New York, NY.

3:30 pm Current Practice and Ethical Dimensions of Implementing APOL1 Testing into Living Donor Evaluation: A National Survey (Abstract #59)

Elisa Gordon, Catherine Wicklund, Richard R. Sharp, Julia Lee, Crystal Johnson, John Friedewald. Chicago; Rochester.

3:42 pm More Rapid Decline in Male VS Female Living Kidney Donations (LKD) Varies by Income (Abstract #60)

Julie Lesage, Jagbir Gill, Caren Rose, Yayuk Joffres, John Gill. Vancouver, Canada.

Kidney: Pediatric Immune Injury and Recurrent Disease

Room E451A

Chairs: Patricia Birk, MD, FRCP(C), Children's Hospital, Winnipeg, MB, Canada and Paul Grimm, MD, Stanford University, Stanford, California, United States

2:30 pm Inflammatory Cytokines Are Associated with Angiotensin II Type 1 Receptor Antibodies and Vascular Inflammation in Pediatric Renal Transplantation (Abstract #61)

Meghan H. Pearl, Jonathan Grotts, Maura Rossetti, Qiheng Zhang, Miguel F. Palma Diaz, David W. Gjertson, Patrica Weng, Elaine Reed, Eileen W. Tsai. Los Angeles, CA; Durham, NC.

2:42 pm Clinical and Histopathologic Features of Antibody Mediated Rejection (ABMR) in Highly Sensitized (HS) vs Non-Sensitized (NS) Pediatric Renal Transplant Recipients (Abstract #62)
Justin A. Steggerda, Irene K. Kim, Mark Haas, Xiaohai Zhang, Alexis Wang, Helen Pizzo, Elaine Kamil, Stanley Jordan, Dechu Puliyananda. Los Angeles, CA.

2:54 pm Longitudinal Study of Donor Specific Antibodies in a Pediatric Kidney Transplant Population; Response to Optimization of Anti-Proliferative Therapy (Abstract #63)
Amanda Rounds, Mary Moss, Margret Bock, Jens Goebel. Aurora, CO.

3:06 pm Is Peri-Transplant Plasmapheresis Effective in the Prevention of Recurrence of FSGS? (Abstract #64)
Priya Verghese, Michelle Rheault, Srinath Chinnakotla, Scott Jackson, Arthur Matas, Blanche Chavers. Minneapolis.

3:18 pm HLA Eplet Mismatches Predict DSA Formation, Graft Survival and Re-Transplantation Rate in Pediatric Renal Transplantation (Abstract #65)
Matthew P. Sypek, Steve Hiho, Linda Cantwell, Peter Hughes, Amelia Le Page, Joshua Y. Kausman. Melbourne, Australia.

3:30 pm HLA-C Mismatching and Humoral Alloimmune Responses in Pediatric Kidney Recipients with Subclinical Vascular Injury (Abstract #66)
Michael Seifert, Megan Yanik, Vera Hauptfeld-Dolejssek, Roslyn Mannon. Birmingham, AL.

3:42 pm Acute Cellular Rejection and Long-Term Graft Survival in Pediatric Kidney Transplant Recipients (Abstract #67)
Allan Massie, Jacqueline Garonzik-Wang, Niraj Desai, Dorry Segev. Baltimore.

Novel Immunosuppression Regimens – Tacrolimus Combinations

Room E450B

Chairs: Clifford Miles, MD, MS, University of Nebraska Medical Center, Omaha, NE, United States and Todd Pesavento, MD, OSU, Columbus, OH, United States

2:30 pm Infusion of Polyclonal Tregs Modulates Subclinical Kidney Transplant Inflammation: Final Report of TASK Pilot Trial (Abstract #68)
Sindhu Chandran, Qizhi Tang, Minnie Sarwal, Zoltan Laszik, Amy Putnam, Tara Sigdel, Erica Tavares, Jeffrey Bluestone, Flavio Vincenti. San Francisco.

2:42 pm Molecular Profiles of Renal Allograft Biopsies at 12 Months Post Renal Transplant in Patients Exposed to Low Dose CNI and Everolimus vs. Patients Exposed to Full Dose CNI and MMF (Abstract #69)
Lorenzo Gallon, Joseph Leventhal, D. Maluf, V. Sai Bontha, A. Shetty, O. Traitanon, M. Javeed Ansari, J. Mathew, S. Wongpraphairot, Valeria Mas. Chicago; Charlottesville.

2:54 pm Impact of Antihypertensive (AHT) Choice and Advagraf® Dose on Interstitial Fibrosis/Tubular Atrophy (IF/TA) and IF/TA Progression in Renal Allografts 24 Months Post-Transplantation (Tx) (Abstract #70)
S. Cockfield, D. Rush, S. Wilson, J. Howell, FKC-014 Study Group. Edmonton, AB, Canada; Winnipeg, MB, Canada; Northbrook, IL; Markham, ON, Canada.

3:06 pm Impact of Antihypertensive (AHT) Choice and Advagraf® Dose on Immunologic Events in Renal Allografts 24 Months Post-Transplantation (Tx) (Abstract #71)
D. Rush, S. Cockfield, S. Wilson, J. Howell, FKC-014 Study Group. Winnipeg, MB, Canada; Edmonton, AB, Canada; Northbrook, IL; Markham, ON, Canada.

3:18 pm De Novo Low-Dose Sirolimus versus Mycophenolate Mofetil in Combination with Extended-Release Tacrolimus in Kidney Transplant Recipients (Abstract #72)
 Jae Geun Lee, Kyu Ha Huh, Jongwon Ha, Chang-Kwon Oh, Man Ki Ju, Chanduck Kim, Hong Rae Cho, Cheol Woong Jung, Beom Jin Lim, Yu Seun Kim. Seoul, Republic of Korea; Suwon, Republic of Korea; Daegu, Republic of Korea; Ulsan, Republic of Korea.

3:30 pm De Novo Use of Everolimus Reduces Late-Onset Cytomegalovirus Primary Disease Occurring After Antiviral Prophylaxis Discontinuation in Kidney Transplant Recipients (Abstract #73)
 Arnaud Devresse, Véronique Avettand-Fenoel, Anne Scemla, Lise Morin, Xavier Lebreton, Claire Tinel, Lucile Amrouche, Lionel Lamhaut, Marc-Olivier Timsit, Julien Zuber, Christophe Legendre, Dany Anglicheau. Brussels, Belgium; Paris, France.

3:42 pm Tacrolimus Time in Therapeutic Range Predicts Adverse Clinical Outcomes in the First Year of Kidney Transplant (Abstract #74)
 Scott Davis, Jane Gralla, Patrick Klem, Alexander Wiseman, James Cooper. Aurora, CO.

Pediatric Liver

Room E271A

Chairs: Udem Ekong, MD MPH, Yale University School of Medicine, New Haven, CT, United States and Saeed Mohammad, Northwestern University, Chicago, Illinois, United States

2:30 pm Disease Progression on Neoadjuvant Chemotherapy Is a Strong Predictor of Recurrence for Pediatric Hepatoblastoma (Abstract #75)
 Michael Kueht, Sarah Jane Commander, Tu-Anh Ha, Abbas Rana, Yan Shi, Sanjeev Vasudevan, John Goss. Houston.

2:42 pm Personalizing Immunosuppression with Molecular Phenotyping in Pediatric Liver Transplantation (Abstract #76)
 Mylarappa Ningappa, Chethan Ashokkumar, Qing Sun, Brandon W. Higgs, Kyle Soltys, Geoff Bond, George Mazariegos, Rakesh Sindhi. Pittsburgh.

2:54 pm Predicting Immunologic Risk for Acute Rejection in Pediatric Liver Transplantation (Abstract #77)
 Swati Antala, Laurine Bow, Raffaella Morotti, Geliang Gan, Deng Yanhong, Udem Ekong, Sukru Emre. New Haven, CT.

3:06 pm Efficacy and Safety of Everolimus with Reduced Tacrolimus or Cyclosporine in Pediatric Liver Transplant Recipients: 12-Month Results from H2305 Study (Abstract #78)
 A. Weymann, R. Ganschow, B. G. Ericzon, A. Dhawan, K. Sharif, E.-D. Martzloff, B. Rauer, J. Ng, P. Lopez. St Louis; Basel, Switzerland.

3:18 pm 20 and 25-Year Outcomes Following Pediatric Liver Transplantation (Abstract #79)
 Walter S. Andrews, Nitika A. Gupta, Udem D. Ekong. Kansas City, MO; Atlanta, GA; New Haven, CT.

3:30 pm Impact of Peri-Transplant Viral Upper Respiratory Infection on Pediatric Liver Transplant Outcomes (Abstract #80)
 Jordan A. Kohler, Tamir A. Miloh, Kathleen E. Hosek, John A. Goss, Flor M. Munoz. Houston, TX.

3:42 pm Assessing Self-Efficacy During the Transition from Pediatric to Adult Liver Transplant Care (Abstract #81)
 Jacob L. Bilhartz, M. James Lopez, Sally J. Eder, Emily M. Fredericks. Ann Arbor, MI.

Predicting Tolerance and Rejection

Room E351

Chairs: Paolo Cravedi, Icahn School of Medicine at Mount Sinai, New York, United States and Minnie Sarwal, MD, FRCP, PhD, UCSF, San Francisco, CA, United States

2:30 pm High Regulatory T Cells Rate Early After Lung Transplantation Is Associated with Bronchiolitis Obliterans Syndrome Development (Abstract #82)
 Maxim Durand, Philippe Lacoste, Carole Brosseau, Eugénie Durand, Jennifer Loy, Kelly Henrio, Richard Danger, Pierre Joseph Royer, Aurore Fourreau, Antoine Magnan, Sophie Brouard. Nantes, France.

- 2:42 pm** **Compartmental Infiltration of Kidney Allograft with Monocyte-Macrophage Subtypes Defines the Type of Rejection (Abstract #83)**
Thierry van den Bosch, Marian Clahsen-van Groningen, Farhad Rezaee, Dennis Hesselink, Daan Nieboer, Ewout Steyerberg, Carla Baan, Ajda Rowshani. Rotterdam, Netherlands.
- 2:54 pm** **Pre-Transplant Circulating TNFR2+ Regulatory T Cells Predict Acute Rejection within the First 6 Months After Kidney Transplantation (Abstract #84)**
Minh-Tri J. P. Nguyen, Sossy K. Sahakian, Shuqing Liu, Yifan Wang, Jean I. Tchervenkov, Steven Paraskevas. New York, NY; Montreal, QC, Canada.
- 3:06 pm** **Genome-Wide Genotyping in 1022 Heart Transplantation Recipients & 758 Donors Reveal Association with Acute Allograft Rejection (Abstract #85)**
J. van Setten, B. S. Cole, B. Chang, N. de Jonge, M. V. Holmes, C. C. Baan, O. C. Manintveld, A. M. A. Peeters, F. Dominguez, K. K. Khush, P. Garcia-Pavia, M. M. H. Huibers, R. A. de Weger, J. Moore, F. W. Asselbergs, B. J. Keating. Utrecht, Netherlands; Philadelphia; Stanford, CA; Rotterdam, Netherlands; Madrid, Spain.
- 3:18 pm** **Novel Personalized Immune-Monitoring Assay for Predicting Operational Tolerance by Using Humanized Mouse Model (Abstract #86)**
Yasutomo Fukasaku, Ryoichi Goto, Yoshikazu Ganchiku, Masaaki Zaitso, Masaaki Watanabe, Norio Kawamura, Yasuyuki Koshizuka, Kenichiro Yamashita, Tuyoshi Shimamura, Akinobu Taketomi. Sapporo, Japan.
- 3:30 pm** **Pre-Transplant Evaluation of KSORTSM to Assess Risk for Rejection in Highly Sensitized Patients (Abstract #87)**
S. Nandoe, S. Roedder, S. Hsieh, T. Sigdel, P. Lindner, J. Ekberg, J. Alberu, F. Vincenti, M. Sarwal. San Francisco, CA; Norcross, GA; Gothenburg, Sweden; Mexico City, Mexico.
- 3:42 pm** **A Universal Strategy to Characterize Allograft Infiltrating Cells by Bioinformatics Deconvolution of Next Generation Sequencing Data (Abstract #88)**
G. Thareja, H. Yang, S. Hayat, C. Li, F. B. Mueller, C. Snopkowski, L. Perry, M. Magruder, J. Lee, D. Dadhanian, K. Suhre, M. Suthanthiran, T. Muthukumar. Doha, Qatar; New York.
- Psychosocial and Mediation Adherence Concerns**
Room E271B
Chairs: Zeeshan Butt, PhD, Northwestern University Feinberg School of Medicine, Chicago, IL, United States and Amy Waterman, PhD, University of California Los Angeles, David Geffen School of Medicine, Los Angeles, CA, United States
- 2:30 pm** **The Impact of Social Support on Kidney Transplant Listing Decisions: Results from a Discrete Choice Experiment (Abstract #89)**
Keren Ladin, Joanna Emerson, Zeeshan Butt, Elisa Gordon, Douglas Hanto, Tara Lavelle. Medford, MA; Boston, MA.
- 2:42 pm** **A Possible Unintended Consequence of the Kidney Allocation System: The Effect of Duration of Dialysis on Mental Health Outcomes (Abstract #90)**
Shannon Radomski, Irene Feurer, Rachel Forbes, Beatrice Concepcion, Heidi Schaefer. Washington, DC; Nashville, TN.
- 2:54 pm** **Antidepressant Medication Use Before and After Kidney Transplant: Implications for Post-Transplant Outcomes (Abstract #91)**
Krista Lentine, Abhijit Naik, Rosemary Ouseph, Zidong Zhang, David Axelrod, Dorry Segev, Vikas Dharnidharka, Daniel Brennan, Henry Randall, Raj Gadi, Ngan Lam, Gregory Hess, Mark Schnitzler, Bertram Kasiske. St. Louis; Ann Arbor; Greenville; Baltimore; Edmonton, Canada; Philadelphia; Minneapolis.
- 3:06 pm** **Tacrolimus Intra-Patient Variability Determined from Daily Trough Levels in Adherent Kidney and Liver Transplant Recipients (Abstract #92)**
A. Leino, T. Kaiser, Y. Zou, E. King, A. Vinks, W. Jiang, U. Christians, E. Woodlee, R. Alloway. Cincinnati; Denver; Silver Spring.

3:18 pm Educational Strategies for Increased Wait-Listing Rates: Opportunities for Dialysis Center Intervention (Abstract #93)
Amy Waterman, John Peipert, Huiling Xiao, Christina Goalby, Krista Lentine. Los Angeles, CA; St. Louis, MO.

3:30 pm Predictors of Web-Based Patient Portal Usage Among Kidney and Liver Transplant Recipients (Abstract #94)
Aldrick P. Ruiz, Kayla D. Smith, Joel Wedd, Kendra Little, Stephen Pastan, Rachel E. Patzer. Atlanta, GA.

3:42 pm Substance Abuse in Acute Liver Failure: Time to Talk About Opiates (Abstract #95)
Michelle Jesse, Nicholas Rebhan, Atsushi Yoshida, Dilip Moonka, Anne Eshelman, Marwan Abouljoud, Michael Rizzari. Detroit.

VCA

Room E270

Chairs: Linda Cendales, Select One, Durham, North Carolina, United States and Kadiyala Ravindra, Duke University, Durham, NC, United States

2:30 pm Clinical Significance of Alloantibodies in Hand Transplantation: Impact on Rejection and Functional Outcome (Abstract #96)
Erik Berglund, Mette Andersen Ljungdahl, Darko Bogdanovic, David Berglund, Jonas Wadström, Annemarie Weissenbacher, Palmina Petruzzo, Stefan Schneeberger. Stockholm, Sweden; Innsbruck, Austria; Uppsala, Sweden; Lyon, France.

2:42 pm Penis Transplantation: First U.S. Experience (Abstract #97)
Dicken S. C. Ko, Kai Li, Harry M. Salinas, Ilse M. Schol, Matthew W. Treiser, Francis J. McGovern, Adam S. Feldman, Branko Bojovic, Jonathan Winograd, Micheal T. Grant, Richard Ehrlichmann, Cigdem Tanrikut, Jeffrey H. Lee, Garry Choy, Raymond W. Liu, Ivy Rosales, Robert B. Colvin, Kyle R. Eberlin, Curtis L. Cetrulo, Jr. Boston, MA.

2:54 pm Living and Deceased Donor Uterus Transplantation – The 2-Arm Czech Uterus Transplant Trial: The First Year Report with Four Cases Done so Far (Abstract #98)
Jiri Fronek, Roman Chmel, Libor Janousek, Marta Novackova, Jan Matecha, Michael Olausson. Prague, Czech Republic; Goteborg, Sweden.

3:06 pm Delayed Tolerance Induction Protocol for Vascularized Composite Allografts in Non-Human Primates: The Immunomodulatory Effect of Donor Bone Marrow Transplantation Does Not Prevent the Development of Chronic Rejection in the Absence of Durable Mixed Chimerism (Abstract #99)
Zhi Yang Ng, Alexandre G. Lellouch, Amon-Ra Gama, Ilse M. Schol, Ivy A. Rosales, Robert B. Colvin, Luke Geoghegan, Josef M. Kurtz, Curtis Cetrulo. Boston, MA.

3:18 pm Molecular Analysis of Acute Rejection in Formalin-Fixed Paraffin-Embedded Clinical Face Transplant Biopsies (Abstract #100)
Thet Su Win, Beatrice Dyring-Andersen, Victor Barrera, Shannan Ho Sui, Rachel Lopdrup, Harriet Kiwanuka, Naoka Murakami, Jessica Teague, Elizabeth Lowry, Ericka Bueno, Anil Chandraker, Leonardo Riella, Bohdan Pomahac, Rachael Clark. Boston, MA; Boston.

3:30 pm Potential Mechanism Involving Regulatory T Cells in Induction of Tolerance in Mouse Vascularized Composite Allotransplantation Under Combined Costimulation Blockade (Abstract #101)
Madonna Rica Anggelia, Yu-Yang Huang, Wen-Yu Chuang, Hui-Yun Cheng, Gerald Brandacher, Fu-Chan Wei, Cheng-Hung Lin. Taoyuan, Taiwan; Baltimore, MD.

3:42 pm Preventing of Rejection of Vascularized Composite Allografts by Targeting T Cell Metabolism (Abstract #102)
Byoung Chol Oh, Chih Hsien Cheng, Georg J. Furtmüller, W. P. Andrew Lee, Jonathan D. Powell, Gerald Brandacher. Baltimore, MD.

Student Program – The Science, The Art and the Allured of Transplantation

2:30 pm – 5:30 pm

Fundamental Concepts of Transplantation

Room E253ABCD

Moderators: Dorry Segev, MD, PhD, Johns Hopkins University, Baltimore, MD, USA and David Mercer, MD, University of Nebraska Medical Center, Omaha, NE, USA

- 2:30 pm Why Transplant Surgery is Exciting (Thoughts from the ASTS President)**
*Timothy Pruett, MD
University of Minnesota
Minneapolis, MN, USA*
- 2:45 pm Why Transplant Medicine is Exciting (Thoughts from the AST President)**
*Anil Chandraker, MD
Brigham & Women's Hospital
Boston, MA, USA*
- 3:00 pm Why Bile is Exciting: Liver Transplantation**
*Wendy Grant, MD
University of Nebraska Medical Center
Omaha, NE, USA*
- 3:15 pm Why Urine is Exciting: Kidney Transplantation**
*John Gill, MD, MS
University of British Columbia
Vancouver, BC, Canada*
- 3:30 pm Why Big Data is Exciting: Outcomes Research in Transplantation**
*Dorry Segev, MD, PhD
Johns Hopkins University
Baltimore, MD, USA*
- 3:45 pm Why Mice are Exciting: Basic Science Research in Transplantation**
*Robert Fairchild, PhD
Cleveland Clinic
Cleveland, OH, USA*
- 4:00 pm Coffee Break**
- 4:30 pm Why Bugs are Exciting: Transplant ID**
*Deepali Kumar, MD
University of Toronto
Toronto, ON, Canada*
- 4:45 pm Why Drugs are Exciting: Transplant Pharmacology**
*Christin Rogers, PharmD
Beth Israel Deaconess Medical Center
Boston, MA, USA*

- 5:00 pm Why Things are Exciting above the Diaphragm: Thoracic Transplantation**
*Maryl Johnson
University of Wisconsin-Madison
Madison, WI, USA*

5:15 pm Discussion

Pediatric Symposium 1

2:30 pm – 6:00 pm

Room E265

- Antibodies and Pediatric Transplantation – What, When, Why, (and How)?**
Moderators: Minnie Sarwal, MD, PhD, MRCP, UCSF, San Francisco, CA, USA and Asha Moudgil, MD, Children's National Med. Ctr., Washington DC, USA
- 2:30 pm Surveillance Biopsies to Diagnose AMR: Risk vs. Benefit in Children**
*Jens Goebel, MD
University of Colorado Denver
Aurora, CO, USA*
- 2:50 pm Is There Evidence for DSA and Biopsy Surveillance in Children After a Solid Organ Transplant?**
*Katherine Twombly, MD
Medical University of South Carolina
Charleston, SC, USA*
- 3:10 pm Bortezomib and Newer Therapies for the Treatment of AMR in Children**
*Priya Verghese, MD, MPH
University of Minnesota
Minneapolis, MN, USA*
- 3:30 pm Use of Translational Science Technology (Gene Expression Profiling Testing) in Pediatric Solid Organ Transplant Patients to Monitor for Rejection**
*Brendan Keating, PhD
University of Pennsylvania
Philadelphia, PA, USA*
- 3:50 pm Discussion**
- 4:00 pm Coffee Break**

Ethics in Pediatric Transplantation – Should This Kid Get a Transplant

Moderators: Minnie Sarwal, MD, PhD, MRCP, UCSF, San Francisco, CA, USA and Asha Moudgil, MD, Children's National Med. Ctr., Washington DC, USA

4:30 pm Panelists:

Sarah Kizilbash, MD
Minnesota
Minneapolis, MN, USA

Vikas Dharnidharka, MD, MPH
Washington University School of
Medicine
St Louis, MO, USA

George Mazariegos, MD
Pittsburgh
Pittsburgh, PA, USA

Elizabeth Rand, MD
Children's Hospital of Philadelphia
Philadelphia, PA, USA

Lainie Ross, MD, PhD
University of Chicago
Chicago, IL, USA

Aaron Wightman, MD, MA
University of Washington School of
Medicine
Seattle, WA, USA

Allied Health Symposium 1

2:30 pm – 6:00 pm

Case-Based Approach to the Multidisciplinary Management of Complex Chronic Disease States Post-Transplantation

Room E258

Management of Metabolic Complications Post-Transplantation

Moderators: Nicole Alvey, PharmD, Rush University Medical Center, Chicago, IL, USA and Joelle Nelson, PharmD, BCPS, University of Florida Shands Hospital, Gainesville, FL, USA

2:30 pm Management of Post-Transplant Diabetes Mellitus

Jeong Park, PharmD
University of Michigan College of
Pharmacy
Ann Arbor, MI, USA

2:45 pm New Treatment Guidelines and the Management of Post-Transplant Dyslipidemias

Steven Gabardi, PharmD
Brigham and Woman's Hospital
Boston, MA, USA

3:00 pm Bariatric Surgery in the Transplant Patient: Effects on Immunosuppression

Rita Alloway, PharmD
University of Cincinnati
Cincinnati, OH, USA

Management of Mineral and Bone Disorders and Dermatologic Complications Post-Transplantation

Moderators: Nicole McCormick, MS, MBA, NP-C, CCTC, University of Colorado, Division of Renal Diseases & Hypertension, Denver, CO, USA and Jillian Fose, PharmD, UW Health, Madison, WI, USA

3:15 pm Making Sense of Hyperparathyroidism after Kidney Transplantation

Michelle Josephson, MD
University of Chicago
Chicago, IL, USA

3:30 pm Tough Break: Managing Osteoporosis after Transplantation

Harold Rosen, MD
BIDMC
Boston, MA, USA

4:00 pm Coffee Break

Management of Special Populations Post-Transplantation

Moderators: Gregory Malat, PharmD, Hahnemann University Hospital, Philadelphia, PA, USA and Carissa Garza, PharmD, Vanderbilt University Medical Center, Nashville, TN, USA

4:30 pm Use of Novel Oral Anticoagulants in the Transplant Population

Christopher Ensor, PharmD
University of Pittsburgh
Pittsburgh, PA, USA

4:50 pm Biologics in Management of Inflammatory Bowel Diseases Post-Transplantation

Ryan Stidham, MD, MSc
University of Michigan
Ann Arbor, MI, USA

5:10 pm HIV Management Post-Transplantation

Andrew Santeusano, PharmD
Mt. Sinai
New York, NY, USA

5:30 pm – 6:00 pm Discussion

Coffee Break with Exhibits

4:00 pm – 4:30 pm

Hall D1

Concurrent Oral Abstract Sessions

4:30 pm – 6:00 pm

Clinical Science: Kidney Immunosuppression: Desensitization

Room E354B

Chairs: Martha Pavlakis, MD, Beth Israel Deaconess Med Ctr, Boston, MA, United States and Brian Stephany, The Cleveland Clinic Foundation, Cleveland, OH, United States

4:30 pm Desensitization versus Deceased Donor Kidney Transplantation: What to Choose When Both Become Available? (Abstract #103)

Babak Orandi, Xun Luo, Jacqueline Garonzik-Wang, Robert Montgomery, Dorry Segev. San Francisco; Baltimore; New York.

4:42 pm Even with National Sharing, the Prospects of a 100% Sensitized Patient Receiving a Transplant Vary Dramatically Depending on the Precise CPRA Value (Abstract #104)

Darren Stewart, Anna Kucheryavaya, Dolly Tyan, Howard Gebel, Robert Bray, Nicole Turgeon. Richmond, VA; Palo Alto, CA; Atlanta, GA.

4:54 pm A Prospective Iterative Trial of Carfomib-Based Desensitization Trial: Initial Comparative Observations (Abstract #105)

S. Tremblay, A. R. Shields, R. R. Alloway, P. A. Brailey, A. D. Leino, A. B. Lichvar, B. G. Abu Jawdeh, J. J. Driscoll, A. L. Girnita, E. S. Woodle. Cincinnati.

5:06 pm Induction of Proliferative Responses in B Cell and Plasma Cell Populations Following Proteasome Inhibitor Desensitization Treatment in Rhesus Macaques and Humans (Abstract #106)

J. J. Driscoll, S. J. Knechtle, J. Kwun, S. Tremblay, N. Salomonis, S. S. Potter, B. J. Aronow, M. Manook, R. R. Alloway, H. Singh, E. S. Woodle. Cincinnati; Durham.

5:18 pm In Vivo Administration of Plerixafor in Humans Mobilizes Bone Marrow Resident Plasma Cells That Demonstrate Apoptosis in Both Bone Marrow and Peripheral Blood (Abstract #107)

E. S. Woodle, S. Tremblay, C. Castro-Rojas, J. J. Driscoll, S. J. Knechtle, A. R. Shields, R. R. Alloway, D. A. Hildeman. Cincinnati; Durham.

5:30 pm Extended Experience with Tocilizumab (Anti-IL6R) for Difficult to Desensitize (Des) Patients Awaiting HLA Incompatible Kidney Transplant (Abstract #108)

A. A. Vo, J. Choi, I. Kim, E. Huang, S. Louie, A. Kang, S. Williamson, K. Myers, A. Peng, R. Najjar, S. C. Jordan. LA, CA.

5:42 pm Characterization of Human Plasma Cell Proteasome Adaptations to Proteasome Inhibitor Therapy: A Precision Medicine Approach to Overcome Drug Resistance in Desensitization (Abstract #109)

J. J. Driscoll, S. Tremblay, P. A. Brailey, A. L. Girnita, R. R. Alloway, B. Aronow, H. Singh, E. S. Woodle. Cincinnati, OH.

Innate Immunity

Room E350

Chairs: Abdallah Elkhail, Ph.D, Brigham and Women's Hospital/Harvard Medical School, Boston, MA, United States and Dianne McKay, ucsd, la jolla, United States

4:30 pm Nucleic Acid Scavenging Microfiber Mesh Inhibits Trauma Induced Inflammation and Thrombosis After Organ Transplantation (Abstract #110)

Jean Kwun, Jaewoo Lee, Jennifer Jackman, Miriam Manook, Eric Elster, Allan Kirk, Bruce Sullenger. Durham, NC; Bethesda, MD.

4:42 pm Host-Derived, Intra-graft Dendritic Cells Are Extensively Cross-Dressed by Donor MHC (Abstract #111)

Andrew D. Hughes, Hehua Dai, Amanda L. Williams, Martin H. Oberbarnscheidt, Adrian E. Morelli, Fadi G. Lakkis. Pittsburgh, PA.

4:54 pm **Circulating Inflammatory Factors in Deceased Organ Donors Result in Innate Immune Activation (Abstract #112)**
 Todd V. Brennan, Liwen Lin, Justin Pollara. Durham, NC.

5:06 pm **Accelerated Rejection of Secondary Third Party Allografts in Older Recipients Is Facilitated by an Augmented Innate Immune Response (Abstract #113)**
 Timm Heinbokel, Koichiro Minami, Abdallah Elkhal, Stefan G. Tullius. Boston, MA.

5:18 pm **Reduction of Recipient Cell Cross-Dressing with Donor MHC Molecules Prolongs Allograft Survival in Mice (Abstract #114)**
 Jose Marino, Haley E. Tector, Bruno Gonzalez-Nolasco, Alexandre Lellouch, Alycen Harney, Curtis L. Cetrulo, Jr, James F. Markmann, Gilles Benichou. Boston, MA.

5:30 pm **The Role of Natural Killer Cells in Recognition and Killing of Stem Cells and Stem Cell-Derived Hepatoblasts (Abstract #115)**
 Trinidad Cisneros, Danielle Dillard, Martha Castro, Justin Arredondo-Guerrero, Sheri M. Krams, Carlos O. Esquivel, Olivia M. Martinez. Stanford, CA.

5:42 pm **Necroptotic Cellular Death Modulates TNF α Mediated Inflammation and Cardiac Allograft Rejection in Mice (Abstract #116)**
 Rosalind L. Ang, Peter S. Heeger, Adrian T. Ting. NYC, NY.

Kidney Allocation: Changes and Consequences

Room E450A

Chairs: Jeffrey Halldorson, MD, University of California at San Diego, La Jolla, CA, United States and Raymond Lynch, MD, MS, Emory University, Atlanta, GA, United States

4:30 pm **Increase in Post-Transplant Mortality Under KAS (Abstract #117)**
 Allan Massie, Jacqueline Garonzik-Wang, Dorry Segev. Baltimore.

4:42 pm **Unintended Consequence of the New Kidney Allocation System – Disproportionate Allocation of High Quality Kidneys to Highly Sensitized Recipients (Abstract #118)**
 Bhamidipati Murthy, Nhu Thao Galvan, Jennifer Moffett, Christine O'Mahony, John Goss, Abbas Rana. Houston, TX.

4:54 pm **Is Deceased Donor Kidney Transplantation (DDTX) Justified in Patients with More Than 10 Years of Pre-TX Dialysis Exposure? (Abstract #119)**
 Caren Rose, Jagbir Gill, Julie Lesage, Yayuk Joffres, John Gill. Vancouver, Canada.

5:06 pm **Geographic Disparity in Kidney Transplantation After KAS (Abstract #120)**
 Sheng Zhou, Allan Massie, Xun Luo, Eric Chow, Sunjae Bae, Sommer Gentry, Sally Gustafson, Andrew Wey, Bryn Thompson, Nicholas Salkowski, Jon Snyder, Dorry Segev. Baltimore; Annapolis; Minneapolis.

5:18 pm **Waitlist Desensitization and the Rate of Deceased Donor Kidney Transplantation After Implementation of the Kidney Allocation System (Abstract #121)**
 Edmund Huang, Stanley Jordan, Reiad Najjar, Jua Choi, Alice Peng, Ashley Vo. Los Angeles, CA.

5:30 pm **Reduction in Kidney Offer Acceptance at Centers Undergoing Systems Improvement Agreements (Abstract #122)**
 Mary Bowring, Lauren Nicholas, Allan Massie, Dorry Segev. Baltimore.

5:42 pm **Harnessing Scientific and Technological Advances to Improve Equity in Kidney Allocation Policies (Abstract #123)**
 Christian Jacquelinet, Benoit Audry, Corrine Antoine, Caroline Suberbielle, Denis Glotz, Anat R. Tambur. Saint Denis, France; Paris, France; Chicago.

Kidney Clinical Complications 1

Room E354A

Chairs: Antonio di Carlo, Temple University Hospital, Philadelphia, PA, United States and Eliyahu Khankin, MD, FASN, Beth Israel Deaconess Medical Center, Boston, MA, United States

- 4:30 pm Effect of Everolimus-Based Immunosuppressive Regimen on New Onset of Diabetes After Kidney Transplantation – A 24 Month Subanalysis from the ELEVATE Study (Abstract #124)**
H. Holdaas, S. Chadban, J. W. de Fijter, L. Rostaing, U. E. Mancilla, P. Lopez, G. Bader, J. M. Cruzado, M. van der Giet. Oslo, Norway; Basel, Switzerland.
- 4:42 pm Venous Thromboembolism and the Risk of Death and Graft Loss in Kidney Transplant Recipients (Abstract #125)**
Ngan N. Lam, Amit X. Garg, Greg A. Knoll, Joseph Kim, Krista L. Lentine, Eric McArthur, Kyla L. Naylor, Sarah E. Bota, Manish M. Sood. Edmonton, Canada; London, Canada; Ottawa, Canada; Toronto, Canada; St. Louis.
- 4:54 pm Causes and Long-Term Consequences of Diarrhea After Kidney Transplantation (Abstract #126)**
Arnaud Devresse, Florence Aulagnon, Anne Scemla, Lise Morin, Fanny Lanternier, Dany Anglicheau, Olivier Lortholary, Christophe Legendre, Véronique Avettand-Fenoel, Julien Zuber. Brussels, Belgium; Paris, France.
- 5:06 pm Outcomes Following Hysterectomy in Kidney Transplant Recipients (Abstract #127)**
Sandra DiBrito, Israel Olorundare, Christine Haugen, Courtenay Holscher, Lauren Kucirka, Dorry Segev, Jacqueline Garonzik-Wang. Baltimore.
- 5:18 pm Outcomes Following Colectomy in Kidney Transplant Recipients (Abstract #128)**
Sandra DiBrito, Yewande Alimi, Courtenay Holscher, Israel Olorundare, Dorry Segev, Jacqueline Garonzik-Wang. Baltimore.

- 5:30 pm Ambulatory Antibiotic Utilization and Outcomes in an Adult Kidney Transplant Population: A Pharmacovigilance Analysis (Abstract #129)**
L. Avery, C. Fominaya, R. Crawford, David Taber. Charleston, SC.

- 5:42 pm Maternal Risks and Pregnancy Outcomes After Kidney Transplantation: A Single Center Experience (Abstract #130)**
Arnaud Devresse, Carole Jassogne, Corinne Hubinont, Martine de Meyer, Michel Mourad, Eric Goffin, Nada Kanaan. Brussels, Belgium.

Kidney: Acute Cellular Rejection

Room E451B

Chairs: Rajendra Baliga, MD, FACP, FASN, FAST, Tampa General Hospital, Tampa, FL, United States and Michael Mengel, MD, University of Alberta, Edmonton, AB, Canada

- 4:30 pm Preceding the Rejection: Clinical Results of a Saliva Test After Renal Transplantation (Abstract #131)**
Dietmar K. Abendroth, Michael Marzinzig, Manfred J. Stangl. Ulm, Germany; Munich, Germany.
- 4:42 pm A Search for a Biomarker Which Predicts Belatacept-Resistant Rejection (Abstract #132)**
Gretchen N. de Graav, Carla C. Baan, Marian C. Clahsen-van Groningen, Rens Kraaijeveld, Marjolein Dieterich, Wenda Verschoor, Dave L. Roelen, Monique Cadogan, Jacqueline van de Wetering, Joost van Rosmalen, Willem Weimar, Dennis A. Hesselink. Rotterdam, South Holland, Netherlands.
- 4:54 pm Organs with Extended Cold Ischemia Time May Offer Aged Kidney Transplant Recipients New Options in an Expanded Donor Pool (Abstract #133)**
Merve Postalcioglu, Benjamin C. Byun, Arnaud D. Kaze, Andrew Siedlecki, Edgar L. Milford, Reza Abdi. Boston, MA.

5:06 pm Short-Term Adverse Effects of Early Borderline Changes in Renal Allograft Biopsies (Abstract #134)
 Sushma Bhusal, Puneet Sood, Arvind Cherukuri, Christine Wu, Chethan Puttarajappa, William Hoffman, Paramjeet Randhawa, Amit Tevar, Nirav Shah, Sundaram Hariharan, Rajil Mehta. Pittsburgh, PA.

5:18 pm Immunosuppression and Graft Rejection in Living-Related HLA-Identical Renal Transplantation (Abstract #135)
 Rime Ossman, Mathieu Jamme, Pierre Galichon, Alexandre Hertig, Bruno Moulin, Christophe Legendre, Emmanuel Morelon, Jean-Luc Taupin, Lionel Rostaing, Eric Rondeau. Paris, France; Strasbourg, France; Lyon, France; Toulouse, France.

5:30 pm The Innate Immune-System May Play an Enhanced Role in Acute Cellular Rejection in Patients on Belatacept-Based Immunosuppression (Abstract #136)
 Dejan Dobi, Qizhi Tang, Sindhu Chandran, Flavio Vincenti, Zoltan Laszik. San Francisco, CA.

5:42 pm Tacrolimus Trough Concentration Variability and Disparities in African American Kidney Transplantation (Abstract #137)
 David Taber, Z. Su, A. Posadas, M. Gebregziabher, L. Egede, D. Dubay, J. McGillicuddy, C. Bratton, S. Nadig, K. Chavin, P. Baliga. Charleston, SC.

Liver Allocation, Utilization and Machine Perfusion

Room E451A

Chairs: David Goldberg, Pennsylvania, University of Pennsylvania, Philadelphia, PA, United States and Burcin Taner, Mayo Clinic Jacksonville, Jacksonville, FL, United States

4:30 pm Share35: Increasing Biliary Complications and Healthcare Resources? (Abstract #138)
 James N. Fleming, Caroline Perez, Minoosh Sobhanian, David J. Taber, Gabe Chedister, David A. Axelrod, Kenneth D. Chavin. Charleston, SC; Greenville, NC.

4:42 pm Preliminary Results of Clinical Normothermic Ex Vivo Liver Perfusion in a North American Setting (Abstract #139)
 Mariusz Bral, Boris Gala-Lopez, David Bigam, Norman Kneteman, Andrew Malcolm, Scott Livingstone, Axel Andres, Juliet Emamaullee, Lori West, Peter Friend, Andrew Mark Shapiro. Edmonton, AB, Canada; Oxford, United Kingdom.

4:54 pm Normothermic Regional Perfusion of Donors Following Circulatory Death Improves Outcomes in Liver Transplantation (Abstract #140)
 Elizabeth V. Mowlem, Lucy V. Randle, Corrina Fear, Keziah Crick, Simon Messer, Stephen Large, Andrew J. Butler, Christopher J. E. Watson. Cambridge, United Kingdom; Oxford, United Kingdom.

5:06 pm Improving Liver Allocation Using Optimized Neighborhoods (Abstract #141)
 Sanjay Mehrotra, Vikram Kilambi. Evanston, IL.

5:18 pm MELD-Based Allocation Leads to Inferior Survival After Liver Transplantation (Abstract #142)
 Paul Viktor Ritschl, Leke Wiering, Michael Hippler-Benscheidt, Felix Aigner, Matthias Biebl, Moritz Schmelzle, Katja Kotsch, Johann Pratschke, Robert Öllinger. Berlin, Germany.

5:30 pm Kidney Quality Dramatically Influences Patient and Death Censored Graft Survival in SLK Recipients (Abstract #143)
 Tiffany Zens, Juan Danobeitia, Paul Stahler, Glen Levenson, Robert Redfield, Anthony D'Alessandro, Luis Fernandez. Madison, WI.

5:42 pm Increased Use of Donation After Cardiac Death Donors Increases Access to Transplantation without Adverse Effect on Outcomes (Abstract #144)
 Ryan A. Helmick, James D. Eason, Sanjay K. Satapathy, Jason M. Vanatta. Memphis, TN.

Liver: Viral Hepatitis

Room E271A

Chairs: Surakit Pungpapong, MD, FAST, Mayo Clinic College of Medicine, Jacksonville, FL, United States and Elizabeth Verna, MD, MS, Columbia University, New York, NY, United States

4:30 pm Use of Ledipasvir/Sofosbuvir with or without Ribavirin in Patients Post-Liver Transplant: Evaluation of Real-World Datasets (Abstract #145)

S. Flamm, M. Charlton, M. Manns, M. Prieto, I. Fernandez, M. C. Londono, R. M. Kwok, C. Smith, S. Lee, H. Ngo, A. Osinusi, A. Copans, L. Rossaro, M. Shoreibah, O. Massoud, M. Curry, M. Bourliere. Chicago; Murray; Hannover, Germany; Valencia, Spain; Madrid, Spain; Barcelona, Spain; DC; Georgetown; Foster City; Birmingham; Boston; Marsielle, France.

4:42 pm The Safety and Efficacy of Directly-Acting Antivirals with or without Ribavirin for HCV Genotype 1 Infection: A Systematic Review and Meta-Analysis (Abstract #146)

Zhiyong Guo, Jincui Gu, Xiaoshun He, Guodong Chen. Guangzhou, China.

4:54 pm Direct Acting Antiviral Drugs Are Highly Effective in Hepatitis C (HCV) Patients with End Stage Renal Disease (ESKD) and Advanced Liver Disease (ALD) (Abstract #147)

Jacob Korula, Tariq Shah, Elizabeth Ranger, Elsa Barba, Don Vu, Robert Naraghi. Los Angeles, CA.

5:06 pm Assessment of Attitudes Toward Use of Hepatitis C Positive Liver Allografts in US Transplant Centers (Abstract #148)

Saikiran M. Kilaru, Elliot B. Tapper, Michael P. Curry. New York, NY; Ann Arbor, MI; Boston, MA.

5:18 pm A Multi-Center Experience of Direct Acting Anti-Viral Agents in HCV Positive Patients Receiving HCV Positive Livers (Abstract #149)

Nikhil Kapila, Bobby Zervos, Bahaaeldeen Ismail, Christina C. Lindenmeyer, Vedha Sanghi, K. V. Narayanan Menon, Gabriel Schnickel, John Rivas, Diego Reino, Andreas Tzakis. Weston, FL; Cleveland, OH.

5:30 pm Does Cirrhosis Regress in HCV Liver Transplant Recipients Achieving Sustained Virologic Response in the Era of Direct-Acting Antiviral Agents? (Abstract #150)

Juan Putra, Thomas D. Schiano, M. Isabel Fiel. New York, NY.

5:42 pm A Low-Dose Anti-Hepatitis B Immunoglobulin Regimen for Prophylaxis of Hepatitis B Recurrence (Abstract #151)

Wei-Chen Lee, Yu-Chao Wang, Chih-Hsien Cheng, Tsung-Han Wu, Chen-Fang Lee, Ting-Jung Wu, Hong-Shiue Chou, Kun-Ming Chan. Taoyuan, Taiwan.

Lung Transplantation from Donation to Retransplantation

Room E270

Chairs: Sangeeta Bhorade, Northwestern University, Chicago, United States and Deborah Levine, MD, University of Texas, San Antonio, TX, United States

4:30 pm Antibody Mapping by Protein Microarray Revealed a Unique Repertoire in Lung Transplant Recipients That Developed Chronic Lung Allograft Dysfunction (Abstract #152)

Deepak Nayak, K. Garcia, P. Pirrotte, R. Hachem, R. Bremner, M. Smith, T. Mohanakumar. Phoenix, AZ; St. Louis, MO.

4:42 pm Circulating Exosomes Isolated from Human Lung Transplant Recipients with Rejection Are Immunogenic and Induce Antibodies to Lung Associated Self-Antigens, Ka1 Tubulin and Collagen-V (Abstract #153)

Muthukumar Gunasekaran, M. Sharma, S. Bansal, S. Biswas Roy, R. Walia, R. Bremner, M. Smith, T. Mohanakumar. Phoenix.

4:54 pm Addition of FEV1 Drop to LAS May Improve Access of CF Patients to Transplant: Analysis of the SRTR and US CF Foundation Patient Registries (Abstract #154)

Elliott Dasenbrook, M. Skeans, A. Fink, B. Marshall, Maryam Valapour. Cleveland; Minneapolis; Bethesda.

5:06 pm Truth in Pathology: Autopsy Findings in Lungs Declined for Transplantation (Abstract #155)

Amy L. Friedman, Jeffrey Lewis, Helen Irving, Kristin W. Delli Carpini. New York, NY.

5:18 pm Respiratory Viral Infections Following Human Lung Transplant Can Induce Exosomes with Lung Self-Antigens, Ka1Tubulin and Collagen V (Abstract #156)

Muthukumar Gunasekaran, A. Limaye, M. Sharma, S. Biswas Roy, S. Bansal, R. Walia, R. Bremner, M. Smith, T. Mohanakumar. Phoenix; Seattle.

5:30 pm Poor Outcomes on the Waiting List for Pediatric Lung Retransplant Patients Listed in Low Volume Centers (Abstract #157)

Brandi B. Scully, Jeffrey S. Heinle, Michael L. Kueht, E. Dean McKenzie, George B. Mallory, Ernestina Melicoff, Abbas Rana. Houston, TX.

5:42 pm Risk Factors for Post-Transplant Lymphoproliferative Disorders in Epstein-Barr Virus Mismatch Lung Transplant Recipients (Abstract #158)

Andrew Courtwright, Patrick Burkett, Phillip Camp, Miguel Divo, Souheil El-Chemaly, Steven Keller, Gita Mody, Ivan Rosas, Steve Singh, Hilary Goldberg, Hari Mallidi. Boston.

New Insights – HCV / HIV

Room E271B

Chairs: Rachel Miller, MD, Duke University, Durham, NC, United States and Nicole Theodoropoulos, MD MS, UMass Memorial Medical Center, Worcester, MA, United States

4:30 pm Protease Inhibitor-Based Regimens Are Associated with Inferior Outcomes in HIV-Infected Kidney Transplant Recipients (Abstract #159)

Brittany A. Shelton, Deirdre Sawinski, Rhiannon D. Reed, Paul A. MacLennan, Shikha Mehta, Jayme E. Locke. Birmingham; Philadelphia.

4:42 pm Deceased Donors with a History of IV Drug Use and Donor Derived Hepatitis C Virus (Abstract #160)

Daniel Kaul, Marissa Clark, Marian Michaels, Susan Tlusty, Cameron Wolfe. Richmond, VA; Richmond.

4:54 pm Transplantation of Organs from Donors with Hepatitis C: The Potential to Substantially Increase Transplant Activity (Abstract #161)

Patrick B. Trotter, Matthew Robb, Ines Ushiro-Lumb, James Powell, Christopher Watson, J. A. Bradley, James Neuberger. Cambridge, United Kingdom; Bristol, United Kingdom; Edinburgh, United Kingdom; Birmingham, United Kingdom.

5:06 pm HCV+ Waitlist Candidates More Likely to Die Waiting for Kidney Transplant from HCV- Donor (Abstract #162)

Brittany A. Shelton, Deirdre Sawinski, Shikha Mehta, Rhiannon D. Reed, Paul A. MacLennan, Jayme E. Locke. Birmingham; Philadelphia.

5:18 pm Treating Hepatitis C+ Patients Before or After Kidney Transplantation: A Medical Decision Analysis (Abstract #163)

Bryce Kiberd, Karthik K. Tennankore, Karen Doucette. Halifax, NS, Canada; Edmonton, AB, Canada.

5:30 pm Knowledge and Attitudes Associated with Willingness to Accept HIV+ Organs Among Persons Living with HIV (Abstract #164)

Saad Anjum, Samantha Halpern, Komal Kumar, Anh Nyugen, Sarah Rasmussen, Allan Massie, Aaron Tobian, Dorry Segev, Jeremy Sugarman, Christine Durand. Baltimore.

5:42 pm Impact of Ritonavir on Graft Function in Human Immunodeficiency Virus Infected Kidney Transplant Recipients (Abstract #165)

Kerri Roach, Erika Meredith, Marshall Lyon. Atlanta, GA.

Novel Immunosuppression – DSA Monitoring

Room E450B

Chairs: Yihung Huang, MD, University of California, Davis, Sacramento, CA, United States and Fuad Shihab, M.D., University of Utah, Salt Lake, UT, United States

- 4:30 pm Experience with the Bacterial Enzyme IdeS (IgG Endopeptidase) for Desensitization of Highly-HLA Sensitized (HS) Kidney Allograft Recipients (Abstract #166)**
S. Jordan, J. Choi, C. Kjellman, L. Winstedt, X. Zhang, S. Louie, A. Kang, M. Haas, A. Vo. Los Angeles, CA; Lund, Sweden.
- 4:42 pm Reduced Conversion from IgM Anti-HLA-DSA to IgG Anti-HLA-DSA in Belatacept-Treated vs. Cyclosporine-Treated Patients in BENEFIT and BENEFIT-EXT Trials (Abstract #167)**
Matthew J. Everly, Robert Townsend, Howard M. Gebel, Robert A. Bray. Los Angeles, CA; Lawrenceville, NJ; Atlanta, GA.
- 4:54 pm Multiple Dosing of Anti-C1s Antibody TNT009 – Effect on HLA Antibody-Triggered Complement Activation in Healthy Volunteers and Kidney Transplant Recipients with Antibody-Mediated Rejection (Abstract #168)**
Jakob Muhlbacher, Bernd Jilma, Markus Wahrmann, Farsad Eskandary, James C. Gilbert, Sandip Panicker, Georg A. Böhmig. Vienna, Austria; San Francisco, CA.
- 5:06 pm Post-Transplant Reduction in Pre-Existing Donor-Specific Antibody Levels After Belatacept-vs Cyclosporine-Based Immunosuppression (Abstract #169)**
R. Bray, H. Gebel, R. Townsend, M. Polinsky, L. Yang, U. Meier-Kriesche, C. P. Larsen. Atlanta, GA; Lawrenceville, NJ.
- 5:18 pm Higher Tacrolimus Blood Levels Predict Better Graft Survival in Kidney Recipients with De Novo DSA (Abstract #170)**
Marc-Antoine Béland, Réal Noël, Isabelle Côté, Isabelle Lapointe, Eric Wagner, Julie Riopel, Eva Latulippe, Olivier Désy, Stéphanie Béland, Isabelle Houde, Sacha A. De Serres. Quebec City, QC, Canada.

- 5:30 pm Changes in Peripheral Blood Gene Expression Profile After Calcineurin Inhibitor (CNI) Withdrawal in Kidney Transplant Recipients (Abstract #171)**
P. Cravedi, W. Zhang, D. Salomon, M. Fribourg, G. Remuzzi, E. Gotti, F. Casiraghi, Z. Yi, P. Heeger, CTOT09, ATHENA Consortia. New York; La Jolla; Bergamo, Italy.

- 5:42 pm Influence of Donor-Specific Antibodies on Renal Function in Kidney Transplant Recipients Following Early Switch from Calcineurin Inhibitor to Everolimus: Subanalysis from the ELEVATE Study (Abstract #172)**
J. M. Cruzado, H. Holdaas, P. M. Lopez, P. Bernhardt, G. Bader, F. H. J. Claas, W. Arns, M. van der Giet, J. W. de Fijter. Llobregat Catalunya, Spain; Basel, Switzerland.

Pancreas Transplantation

Room E267

Chairs: Ty Dunn, MD MS, University of Minnesota, Minneapolis, MN, United States and Nicole Turgeon, Emory University, Atlanta, GA, United States

- 4:30 pm Endoscopic Ultrasound Guided Biopsy Sampling of the Pancreas Transplant-The Future of Graft Surveillance? (Abstract #173)**
Espen Nordheim, Vemund Paulsen, Aabakken Lars, Rune Horneland, Knut Brabrand, Anders Hartmann, Trond Geir Jenssen. Oslo, Norway; Tromsø, Norway.
- 4:42 pm Lessons Learned from Simultaneous Biopsies of Both Kidney and Pancreas Grafts in Recipients of Simultaneous Kidney-Pancreas Transplants (Abstract #174)**
Sandesh Parajuli, B. Astor, A. Djamali, R. Redfield, E. Arpali, D. Kaufman, J. Odorico, D. Mandelbrot. Madison.
- 4:54 pm Baseline Immune Assessment to Individualize Immunosuppression in SPK Recipients with Type 1 Diabetes (Abstract #175)**
Yogish Kudva, Vikash Dadlani, Adam Miller, Mohamed Abdallah, Walter K. Kremers, Mark Stegall, Roshini Abraham. Rochester, MN.

5:06 pm Anti-Angiotensin Type 1 Receptor Antibodies Associate with Rejection in Simultaneous Pancreas and Kidney Transplant and Pancreas Transplant Alone Recipients (Abstract #176)
Alice Peng, Donald Dafoe, Jua Choi, Ashley Vo, Xiaohai Zhang, Reiad Najjar, Edmund Huang, Stanley C. Jordan. Los Angeles, CA.

5:18 pm Assessment of the Association Between Measures of Metabolic Function and Pancreas Graft Survival (Abstract #177)
Shruti Mittal, Rachel Franklin, Jonathan Levy, Stephen Gough, Edward Sharples, Peter Friend. Oxford, United Kingdom.

5:30 pm Access to Simultaneous Pancreas and Kidney Transplant (SPK) Should Not Be Restricted to BMI > 28 (Abstract #178)
Mark R. Laftavi, Angelika C. Gruessner, Vaughn Whittaker, Zeki Acun, Oleh Pankowycz, Rainer Gruessner. Syracuse, NY.

5:42 pm The Benefits of Pancreas After Kidney (PAK) Transplantation (Abstract #179)
Michael Curry, Jon Odorico, Jonathan Fridell. Richmond, VA; Madison, WI; Indianapolis, IN.

Pathways of Clinical Rejection

Room E351

Chairs: David Briscoe, Boston Children's Hospital and Harvard Medical School, Boston, MA, United States and Lorenzo Gallon, NWU, Chicago, IL, United States

4:30 pm Ectopic Lymphoid Structures Are Present in Type I T-Cell Mediated Kidney Transplant Rejection (Abstract #180)
Kitty de Leur, Marian C. Clahsen-van Groningen, Gretchen N. de Graav, Dennis A. Hesselink, Janneke N. Samsom, Carla C. Baan, Karin Boer. Rotterdam, Netherlands.

4:42 pm De Novo DSA with T Cell Mediated Rejection (TCMR) Leads to Early Allograft Scarring and Dysfunction (Abstract #181)
A. Cherukuri, A. Sharma, M. Mangiola, P. Sood, P. Randhawa, A. Zeevi, R. Mehta, Sundaram Hariharan. Pittsburgh.

4:54 pm Tracking the In Vitro Phenotype and Proliferative Capacity of CD57+ CD4 T Cells (Abstract #182)
J. R. Espinosa, J. Lockley, F. Shaw, R. Osborne, M. B. Joshi, T. Woody, M. Ellis, B. Hollister, J. Cheeseman, R. Townsend, A. D. Kirk. Durham; Princeton.

5:06 pm High CTLA-4 Expression and Diminished FOXO3 Expression Underlie Differential CD28 Signaling on Human Memory Th17 Cells (Abstract #183)
Scott M. Krummey, Suzanne J. Suchard, Steven G. Nadler, Christian P. Larsen, Mandy L. Ford. Atlanta, GA; Princeton, NJ.

5:18 pm 2B4-Mediated Inhibition of Proliferation and Glycolytic Function Attenuates T Cell Alloreactivity (Abstract #184)
Sonia J. Laurie, Danya Liu, Miriam C. Cortes, Maylene Wagener, Mandy L. Ford. Atlanta, GA.

5:30 pm Rapamycin Directly Alters Human Endothelial Cell Alloimmunogenicity (Abstract #185)
Victoria A. Bendersky, He Xu, Allan D. Kirk. Durham, NC.

5:42 pm Genomic Analysis of Gene Expression in Human Kidney Transplants Identifies Moxd1 as a Key Driver for Renal Fibrosis (Abstract #186)
Chengguo Wei, Madhav C. Menon, Weijia Zhang, Christopher Woytovich, Nimrod Philippe, John Cijiang He, Barbara Murphy, Chengguo Wei. New York, NY.

T Cell Biology and Alloimmunity

Room E352

Chairs: Nicholas Chun, MD, The Icahn School of Medicine at Mount Sinai, New York, NY, United States and Xian Li, Houston Methodist Hospital, Houston, Tx, United States

4:30 pm The Gut Microbiota Regulates Murine Cardiac Transplant Outcome (Abstract #187)
Y. B. Xiong, C. C. Brinkman, L. E. Hittle, W. F. Fricke, E. F. Mongodin, Jonathan Bromberg. Baltimore.

4:42 pm A Single Skin Commensal Strain Is Sufficient to Accelerate Skin Transplant Rejection (Abstract #188)

Yuk Man (Kevin) Lei, Luqiu Chen, Ying Wang, Anita Chong, Yasmine Belkaid, Maria-Luisa Alegre. Chicago, IL; Bethesda.

4:54 pm Non-Invasive Detection of Rejection with ImmunoPET Imaging (Abstract #189)

David V. Mathews, Kevin Lindsay, Phillip Santangelo, Ying Dong, J. Yun Tso, Andrew B. Adams. Atlanta, GA; Mountain View, CA.

5:06 pm Regulation of T Cell Migration by Specifically Targeting Lymphotoxin β Receptor (LT β R)-Mediated Non-Canonical NF κ B Signaling (Abstract #190)

W. Piao, Y. Xiong, C. C. Brinkman, Jonathan Bromberg. Baltimore.

5:18 pm Role of Donor-Derived Tissue Resident Memory T cells in Modulating Alloimmunity (Abstract #191)

Rebecca L. Crepeau, Danya Liu, Mandy L. Ford. Atlanta, GA.

5:30 pm T_{FR}:T_{FH} Cell Ratio Correlates with Anti-Donor Germinal Center Reactivity and Donor-Specific Antibody Formation Following Transplantation (Abstract #192)

Glenn M. La Muraglia II, Mandy L. Ford, Idelberto R. Badell. Atlanta, GA.

5:42 pm TIM-3 – CEACAM1 Checkpoint Regulation of T-Cell Activation and Hepatocellular Function in Liver Transplantation (Abstract #193)

Kojiro Nakamura, Shoichi Kageyama, Maciej Kujawski, Rebecca A. Sosa, Elaine F. Reed, Ali Zarrinpar, Ronald W. Busuttil, Jerzy W. Kupiec-Weglinski. Los Angeles, CA; Duarte, CA.

Tolerance: Clinical Studies

Room E353C

Chairs: Sandy Feng, MDPHd, University of California San Francisco, San Francisco, CA, United States and Tatsuo Kawai, M.D., Ph.D., Massachusetts General Hospital, Boston, MA, United States

4:30 pm Tolerant Pediatric Liver Transplant (LT) Recipients (TOL) from WISP-R (NCT00320606) Split into Two Phenotypically Distinct Groups by PD1 Expression on CD4+ T Cells at Baseline, Prior to Immunosuppression Withdrawal (ISW) (Abstract #194)

B. Burrell, S. Feng, N. Bridges, U. Ekong, S. Kanaparthi, A. Kirk, A. Long, K. Spain, L. Stempora, L. Turka, N. Tchao. Bethesda; San Francisco; New Haven; Durham; Chapel Hill.

4:42 pm Eight Year Follow-Up of a Phase 2 Clinical Trial to Induce Tolerance in Living Donor Renal Transplant Recipients (Abstract #195)

J. Leventhal, J. Galvin, J. Mathew, L. Gallon, D. Stare, A. Sweeney, J. Miller, M. Abecassis, S. Ildstad. Chicago; Louisville.

4:54 pm Relationship Between Mixed Chimerism and Tolerance in HLA-Matched and -Mismatched Recipients of Kidney and Hematopoietic Cell Transplants (Abstract #196)

Stephan Busque, John Scandling, Judy Shizuru, Robert Lowsky, Asha Shori, Jensen Kent, Edward Engleman, Samuel Strober. Stanford.

5:06 pm A Molecular Signature Characterized by Dominance of Negative Regulation over Cytotoxic Effectors in Tolerant Kidney Allograft Recipients (Abstract #197)

J. Lee, J. Leventhal, C. Li, A. Katapodis, S. Ildstad, M. Suthanthiran. NY, NY; Chicago, IL; Basel, Switzerland; Louisville, KY.

5:18 pm Dominant Role of Clonal Deletion in Achieving Immune Tolerance After Unrelated Cord Blood Transplantation (Abstract #198)

Paul Szabolcs, Xiaohua Chen, Memphis Hill. Pittsburgh, PA.

5:30 pm Impact of mTOR-Inhibition on Tolerance-Induction Following Heart Transplantation (Abstract #199)
Maja-Theresa Dieterlen, Kristin Klaeske, Julia Fischer, Jochen Hahn, Khalil Jawad, Jens Garbade, Friedrich W. Mohr, Sven Lehmann. Leipzig, Germany.

5:42 pm Applicability and Safety of a Regulatory T Cell Therapy in Adult Liver Transplantation: The “ThRIL” Phase I First-in-Human Trial (Abstract #200)
Gavin P. Whitehouse, Niloufar Safinia, Sarah Thirkell, Laura Fry, Nathali Grageda, Marc Martinez-Llordella, Robert Lechler, Nigel Heaton, Giovanna Lombardi, Alberto Sanchez-Fueyo. London, United Kingdom.

Poster Session B

6:00 pm – 7:00 pm

Hall D1

**Poster Viewing: 9:30 am – 12:00 pm
2:30 pm – 7:00 pm**

Presenters in Attendance: 6:00 pm – 7:00 pm

Poster Session B can be found on pages 130-154.

AMERICAN TRANSPLANT CONGRESS
Day-at-a-Glance, Monday, May 1, 2017

7:00 am – 8:15 am		Sunrise Symposia	<i>Page 49</i>	Interspecies Chimeric Complementation for the Generation of Functional Human Organs in Large Animal Hosts <i>Room E352</i>
<i>Page 47</i>	Tolerance – Why Aren't We There Yet? <i>Room E354A</i>			
<i>Page 47</i>	Simultaneous Liver Kidney Transplantation – Where Are We and Where Are We Going? <i>Room E353C</i>		8:30 am – 9:30 am	Plenary
<i>Page 47</i>	Maintaining Minimal-Volume Solid Organ Pancreas Transplant Programs – Pro/Con <i>Room E350</i>		<i>Page 49</i>	Joint Plenary Session II <i>Arie Crown Theater</i>
<i>Page 47</i>	Combined Liver-Kidney Transplantation: Ways to Continue Improve Outcomes <i>Room E353AB</i>		9:30 am – 9:45 am	ASTS Awards
<i>Page 48</i>	DCD Liver Transplantation: Current Controversies and Future Directions <i>Room E450A</i>		<i>Page 50</i>	<i>Arie Crown Theater</i>
<i>Page 48</i>	New Concepts in Immune Monitoring <i>Room E354B</i>		9:45 am – 10:15 am	ASTS Presidential Address
<i>Page 48</i>	Updates on Women's Health in Solid Organ Transplant <i>Room E451A</i>		<i>Page 50</i>	<i>Arie Crown Theater</i>
<i>Page 48</i>	Emerging Infections in the Age of Global Warning – Implications for Transplantation <i>Room E451B</i>		10:15 am – 10:45 am	Coffee Break with Exhibits <i>Hall D1</i>
<i>Page 49</i>	Getting the Most Bang for Your Buck: Creative Ways to Expand Pharmacy Services to Meet Regulatory Requirements <i>Room E351</i>		10:45 am – 11:15 am	State-of-the-Art Presentation
<i>Page 49</i>	Cytoprotection by Hematopoietically Derived Cells <i>Room E450B</i>		<i>Page 50</i>	Immune Checkpoint Inhibitors: Emerging Targets for Induction of Anti-Tumor Immunity and Transplantation Tolerance <i>Arie Crown Theater</i>
			11:30 am – 1:00 pm	Midday Symposia
			<i>Page 50</i>	Debates in Mechanical Circulatory Support and Cardiac Transplantation <i>Room E351</i>
			<i>Page 51</i>	Cardiac Function in Liver Transplantation: Assessing and Mitigating Risk Across the Continuum of Care <i>Room E350</i>
			<i>Page 51</i>	Understanding ESRD after Live Kidney Donation <i>Room E354B</i>

Page 51 **Delayed Allograft Function – What is the Impact and What Therapeutics are the Most Promising?**
Arie Crown Theater

Page 52 **Integration of APOL-1 into Kidney Transplantation: Summary of the AST Expert Workshop**
Room E451B

Page 52 **What’s Hot in Deceased Organ Donation – Normothermic Perfusion**
Room E451A

Page 52 **Liver Transplant for HCC in the Next Decade**
Room E450A

Page 52 **Keeping the High MELD/PELD Patient Alive on the List**
Room E352

Page 53 **HIV Positive Transplantation**
Room E354A

Page 53 **Bench to Bedside – T Cell Memory**
Room E353AB

Page 53 **Exosomes and Donor Antigen Cross Dressing in Alloimmunity**
Room E353C

Page 53 **Immune Tolerance – Lessons from Non-Transplant Models**
Room E450B

1:00 pm – 2:15 pm Luncheon Workshop*

Page 54 **Ticketed Events**

2:30 pm – 4:00 pm Concurrent Oral Abstract Sessions

Page 54 **Basic Transplant Tolerance I**
Room E350

Page 55 **Emerging Interventions in Ischemia Reperfusion Injury**
Room E351

Page 55 **Heart Transplantation: Antibodies and Outcomes**
Room E271B

Page 56 **Infectious Complications of Transplant**
Room E265

Page 57 **Kidney BK Virus**
Room E451A

Page 57 **Kidney Clinical Psychosocial**
Room E354B

Page 58 **Liver Retransplantation and Other Complications**
Room E353AB

Page 59 **Living Kidney Donation: Post Donation Issues**
Room E450B

Page 59 **Long Term Kidney Graft Survival I**
Room E450A

Page 60 **Mechanisms of Allograft Rejection**
Room E352

Page 61 **Organ Perfusion Strategies**
Room E353C

Page 61 **Transplant Regulation and Management: Allocation, Access and Other Transplant Management Topics**
Room E451B

Page 62 **Treatment of Antibody Mediated Rejection in Kidney Transplant Recipients**
Room E354A

2:30 pm – 6:00 pm Pediatric/Allied Health Symposium

Page 63 *Room E253ABCD*

2:30 pm – 6:00 pm Allied Health Symposium 2

Page 63 **Balancing Quality & Risk**
Room E258

4:00 pm – 4:30 pm **Coffee Break with Exhibits**
Hall D1

4:30 pm – 6:00 pm Concurrent Oral Abstract Sessions

- Page 64* **Antibody Mediated Rejection in Kidney Transplant Recipients: Pathophysiology and Epidemiology**
Room E354A
- Page 65* **B Cells and Antibody in Rejection**
Room E350
- Page 65* **Basic Chronic Rejection**
Room E351
- Page 66* **Disparities in Organ Transplantation**
Room E353C
- Page 67* **Donors with Acute Kidney Injury**
Room E450A
- Page 67* **Health Services and Policy in Organ Transplantation**
Room E271A
- Page 68* **Infectious Pot-Pourri**
Room E265
- Page 69* **Kidney Clinical Complications 2**
Room E354B
- Page 69* **Kidney: Cardiovascular and Metabolic**
Room E451B
- Page 70* **Kidney: Pediatric Adherence and Allocation**
Room E353AB
- Page 70* **Liver Living Donors and Partial Grafts**
Room E451A
- Page 71* **Logistic and Programmatic Challenges in Kidney Living Donation**
Room E450B
- Page 72* **Regulatory Cells in Alloimmunity**
Room E352

6:00 pm – 7:00 pm Poster Session C

Presenters in Attendance
Hall D1

AMERICAN TRANSPLANT CONGRESS
Program, Monday, May 1, 2017

Sunrise Symposia

7:00 am – 8:15 am

Tolerance – Why aren't we there yet?

Room E354A

Moderators: James Allan, MD, MBA, Massachusetts General Hospital, Boston, MA and Kenneth Newell, MD, PhD, Emory University School of Medicine, Atlanta, GA, USA

7:00 am Does Tolerance Outperform Optimized Immunosuppression?

*John Scandling, MD
Stanford
Palo Alto, CA, USA*

7:20 am Regulatory Cells and Tolerance

*Sandy Feng, MD, PhD
UCSF
San Francisco, CA, USA*

7:40 am Chimerism and Tolerance – It Works So What Are the Barriers?

*Joseph Leventhal, MD, PhD
Northwestern University
Chicago, IL, USA*

8:00 am Discussion

Simultaneous Liver Kidney Transplantation – Where are we and where are we going?

Room E353C

Moderators: Susan Orloff, MD, FACS, FAASLD, Oregon Health & Science University, Portland, OR, USA and John Friedewald, MD, Northwestern University, Chicago, IL, USA

7:00 am Summary of the Current Practice of SLK Transplantation

*Darren Stewart
UNOS
Richmond, VA, USA*

7:20 am The New SLK Transplant Policy – What it Does and Why

*Nicole Turgeon, MD
Emory University
Atlanta, GA, USA*

7:40 am Crippling Limitations of the New SLK Policy

*Alexander Wiseman, MD
University of Colorado Denver
Aurora, CO, USA*

8:00 am Discussion

Maintaining Minimal-Volume Solid Organ Pancreas Transplant Programs – PRO/CON

Room E350

Moderators: Matthew Cooper, MD, Medstar Georgetown Transplant Institute, Washington DC, USA and Raja Kandaswamy, MD, University of Minnesota, Minneapolis, MN, USA

7:00 am PRO: Maintaining Minimal-Volume Solid Organ Pancreas Transplant Programs

*Stefan Tullius, MD, PhD
Brigham and Women's Hospital
Boston, MA, USA*

7:30 am CON: Maintaining Minimal-Volume Solid Organ Pancreas Transplant Programs

*Todd Pesavento, MD
Ohio State
Columbus, OH, USA*

8:00 am Discussion

Combined Liver-Kidney Transplantation: Ways to Continue Improve Outcomes

Room E353AB

Moderators: Seth Karp, MD, Vanderbilt University, Nashville, TN, USA and David Mulligan, MD, Yale University/Yale New Haven Health, New Haven, CT, USA

7:00 am Overview of the New SLK Policy

*Richard Formica, MD
Yale University School of Medicine
New Haven, CT, USA*

7:25 am Delayed Implantation of the Kidney Allograft

*Burcin Ekser, MD
Indiana University
Indianapolis, IN, USA*

7:50 am Appropriate Monitoring of the Kidney Graft in SLK

*Clifford Miles, MD
University of Nebraska Medical Center
Omaha, NE, USA*

Monday, May 1

DCD Liver Transplantation: Current Controversies and Future Directions

Room E450A

Moderators: Linda Sher, MD, University of Southern California, Los Angeles, CA, USA and Amit Mathur, MD, MS, FACS, Mayo Clinic Arizona, Phoenix, AZ, USA

- 7:00 am Best Practices in the Use of Deceased After Cardiac Death Hepatic Allografts**
George Loss, MD, PhD
Ochsner Medical Center
New Orleans, LA, USA
- 7:25 am Future Directions in DCD Liver Transplantation: Is the Pump the Solution?**
Peter Friend
University of Oxford
Oxford, United Kingdom
- 7:50 am New Basic and Translational Science in Protecting DCD Allografts**
David Foley, MD
University of Wisconsin School of Medicine and Public Health
Madison, WI, USA

New Concepts in Immune Monitoring

Room E354B

Moderators: David Taylor, MD, Cleveland Clinic, Cleveland, OH, USA and Jon Kobashigawa, MD, Cedars-Sinai Heart Institute, Los Angeles, CA, USA

- 7:00 am Immune Monitoring for Cardiac Transplantation, Where Are We in 2017?**
Michael Shullo, PharmD
University of Pittsburgh
Pittsburgh, PA, USA
- 7:15 am Cell-Free DNA**
Kevin Daly, MD
Boston Children's Hospital
Boston, MA, USA
- 7:30 am MicroRNA**
Howard Eisen, MD
Drexel University College of Medicine
Philadelphia, PA, USA
- 7:45 am Molecular Microscope**
Sunil Kurian, PhD
The Scripps Research Institute
La Jolla, CA, USA
- 8:00 am Discussion**

Updates on Women's Health in Solid Organ Transplant

Room E451A

Moderators: Silvi Shah, MD, University of Cincinnati, Cincinnati, OH, USA and Kymberly Watt, MD, Mayo Clinic, Rochester, MN, USA

- 7:00 am Disparities in Opportunities for Transplantation**
Kimberly Forde, MD, MHS
University of Pennsylvania
Philadelphia, PA, USA
- 7:25 am Sex Differences in Kidney Transplant Outcomes and Allocation**
Matthew Levine, MD, PhD
University of Pennsylvania
Philadelphia, PA, USA
- 7:50 am Reproductive Health Following Solid Organ Transplant**
Monika Sarkar, MD, MAS
UCSF
San Francisco, CA, USA

Emerging Infections in the Age of Global Warning – Implications for Transplantation

Room E451B

Moderators: Alejandro Restrepo, MD, Baylor College of Medicine, Houston, TX, USA and Raymund Razonnable, MD, Mayo Clinic, Rochester, MN, USA

- 7:00 am Zika Virus Infections – Screening Recommendations and Outcome Data**
Clarisse Machado, MD
University of Sao Paulo
Sao Paulo, Brazil
- 7:25 am Nontuberculous Mycobacteria Infections – Management of Transplant Candidates and Recipients**
Michele I. Morris, MD, FACP, FIDSA
University of Miami Miller School of Medicine
Miami, FL
- 7:50 am Strongyloides Infection Post-Transplant – Screening & Management of Donors & Recipients**
Ricardo La Hoz, MD, FACP
University of Texas Southwestern Medical Center
Dallas, TX, USA

**Getting the Most Bang for Your Buck:
Creative Ways to Expand Pharmacy Services
to Meet Regulatory Requirements**

Room E351

Moderators: Nicole Alvey, PharmD, Rush University Medical Center, Chicago, IL, USA and Annelise Nolan, PharmD, Medstar Georgetown University Hospital, Washington DC, USA

7:00 am Making Sense of It All: Understanding the Regulatory Requirements for Pharmacists

Lisa Potter, PharmD
University of Chicago Medical Center
Chicago, IL, USA

7:25 am You've Been Cited: A Review of Common Pharmacy-Related Regulatory Citations and Potential Corrective Actions

Nicole Pilch, PharmD
MUSC
Charleston, SC, USA

7:50 am Getting More with Less: Innovative Approaches to Expanding Pharmacy Services

Eric Tichy, PharmD, FAST
Yale New Haven
New Haven, CT, USA

Cytoprotection by Hematopoietically Derived Cells

Room E450B

Moderators: James Burdick, MD, Johns Hopkins School of Medicine, St. Michaels, MD, USA and Leo Otterbein, PhD, Beth Israel Deaconess Medical Center, Boston, MA, USA

7:00 am Bone Marrow-Derived Hematopoietic Stem and Progenitor Cells Infiltrate Allogeneic and Syngeneic Transplants

Paolo Fiorina, MD, PhD
Boston Children's Hospital-Harvard Medical School
Boston, MA, USA

7:25 am Direct Contribution of Bone Marrow Cells to Tissue Regeneration

Mari Dezawa, MD, PhD
Tohoku University Graduate School of Medicine
Sendai, Japan

7:50 am Tolerance from Induction of Allograft Chimerism: Lessons from Rodent and Swine Models or Organ Transplantation

Zhaoli Sun, MD, PhD
Johns Hopkins
Baltimore, MD, USA

Interspecies Chimeric Complementation for the Generation of Functional Human Organs in Large Animal Hosts

Room E352

Moderators: David Cooper, MD, PhD, University of Alabama at Birmingham, Birmingham, AL, USA and Joseph Tector, MD, University of Alabama, Birmingham, AL, USA

7:00 am Generation of Function Human Organs in large Animal Hosts

Juan Carlos Izpisua Belmonte, PhD
Salk Institute
La Jolla, CA, USA

7:25 am Generation of Kidney and Pancreas from Pluripotent Stem Cells via Blastocyst Complementation

Hiroimitsu Nakauchi
Stanford University School of Medicine
Stanford, CA, USA

7:50 am Modulation of Human Pluripotent Stem Cells and Immunological Implications for Transplantation

Jon Odorico, MD
University of Wisconsin School of Medicine and Public Health
Madison, WI, USA

Joint Plenary Session II

8:30 am – 9:30 am

Arie Crown Theater

Chairs: Jean Emond, MD, Columbia University, New York, NY, USA and Charles M. Miller, MD, Cleveland Clinic, Cleveland, OH, USA

8:30 am Improving Communication of SRTR Transplant Program Outcomes Evaluations Using a 5-Tier System (Abstract #201)

Jon Snyder, Andrew Wey, Nicholas Salkowski, Ajay Israni, Bertram Kasiske.
Minneapolis.

8:45 am **Is the Current Heart Allocation System Just and Fair for Blood Type O Recipients? – A Propensity-Matched Analysis of 34353 Patients in the UNOS Registry (Abstract #202)**
Masahiko Ando, Koji Takeda, Paul A. Kurlansky, Matthew Wright, ChiaLing Lee, Jiho Han, Arthur R. Garan, Veli K. Topkara, Melana Yuzepolskaya, Paolo C. Colombo, Maryjane Farr, Yoshifumi Naka, Hiroo Takayama. New York, NY.

9:00 am **MHC Class II-Peptide Complexes Displayed on Activated T Cells Guide Treg Suppression (Abstract #203)**
Madeline L. Fryer, Steffie Junius, Sharon K. Germana, Laurence A. Turka, Christian LeGuern. Boston, MA.

9:15 am **HCC and Liver Transplantation Following the Recent Allocation Policy Change (Abstract #204)**
Tanveen Ishaque, Allan Massie, Mary Bowring, Jessica Ruck, Andrew MacGregor Cameron, Benjamin Philosophe, Dorry Segev. Baltimore.

ASTS Awards

9:30 am – 9:45 am

Arie Crown Theater

ASTS Presidential Address

9:45 am – 10:15 am

Arie Crown Theater

Coffee Break with Exhibits

10:15 am – 10:45 am

Hall D1

State-of-the-Art Presentation

10:45 am – 11:15 am

Arie Crown Theater

Immune Checkpoint Inhibitors: Emerging Targets for Induction of Anti-Tumor Immunity and Transplantation Tolerance

*Vassiliki Boussiotis, MD, PhD
Harvard Medical School/Beth Israel Deaconess Medical Center
Boston, MA, USA*

Midday Symposia

11:30 am – 1:00 pm

Debates in Mechanical Circulatory Support and Cardiac Transplantation

Room E351

Moderators: Andreas Zuckermann, MD, University of Vienna, Vienna, Austria and David Baran, MD, Newark Beth Israel Medical Center, Livingston, NJ, USA

11:30 am **Case Presentation**

*Brent Lampert, DO
Ohio State Wexner Medical Center
Columbus, OH, USA*

11:35 am **PRO: Mechanical Circulatory Support Rather Should Be Used in Patients Who Are Not Thought Candidates for Transplantation Due to Concerns Over Compliance**

*Valluvan Jeevanandam, MD
University of Chicago
Chicago, IL, USA*

11:48 am **CON: Mechanical Circulatory Support Rather Should Be Used in Patients Who Are Not Thought Candidates for Transplantation Due to Concerns Over Compliance**

*Francisco Arabia, MD
Cedars-Sinai Medical Center
Los Angeles, CA, USA*

12:00 pm **Case Presentation**

*Jared Herr, MD
Sutter Health – California Pacific Medical Center
San Francisco, CA, USA*

12:05 pm **PRO: Destination Therapy Patients Who Are INTERMACS Profile 4-5 Should Be Implanted as Destination Therapy**

*Scott Silvestry, MD
Florida Transplant Institute
Orlando, FL, USA*

12:18 pm **CON: Destination Therapy Patients Who Are INTERMACS Profile 4-5 Should Be Implanted as Destination Therapy**

*Josef Stehlik, MD, MPH
University of Utah
Salt Lake City, UT, USA*

12:30 pm **Case Presentation**

*Nicholas Furiasse, MD, MSc
Cedars Sinai Health System
Los Angeles, CA, USA*

12:35 pm **PRO: Older Patients with Comorbidities Should be Referred for Destination Therapy Rather Than Transplantation**

*Nir Uriel, MD
University of Chicago
Chicago, IL, USA*

12:48 pm **CON: Older Patients with Comorbidities Should Be Referred for Destination Therapy Rather Than Transplantation**

TBD

Cardiac Function in Liver Transplantation: Assessing and Mitigating Risk across the Continuum of Care

Room E350

Moderators: Laura Hammel, MD, University of Wisconsin Hospitals and Clinics, Madison, WI, USA and Lisa VanWagner, MD, MSc, Northwestern University, Chicago, IL, USA

11:30 am **When Is Chronic Atrial Fibrillation a Contraindication to Liver Transplantation?**

*Geraldine Diaz, DO
Univ of Chicago
Chicago, IL, USA*

11:50 am **Significant Coronary Artery Disease – When is it Critical, When to Revascularize**

*Sean Pinney, MD
Mount Sinai Hospital
New York, NY, USA*

12:10 pm **Mitigating Pulmonary Hypertension to Allow for Successful Liver Transplantation**

*Sanjiv Shah, MD
Northwestern University
Chicago, IL, USA*

12:30 pm **Optimal Management of Cardiac Dysfunction after Liver Transplantation**

*Laura Hammel, MD
University of Wisconsin Hospitals and Clinics
Madison, WI, USA*

12:50 pm **Discussion**

Understanding ESRD after Live Kidney Donation

Room E354B

Moderators: Arthur Matas, MD, University of Minnesota, Minneapolis, MN, USA and Robert Gaston, MD, University of Alabama at Birmingham, Birmingham, AL, USA

11:30 am **Lesions Learned from ESRD in the General Population**

*Bryce Kiberd, MD
Dalhousie University
Halifax, NS, Canada*

12:00 pm **What Can the SRTR Database Teach Us?**

*Jon Snyder, PhD
Scientific Registry of Transplant Recipients
Minneapolis, MN, USA*

12:30 pm **Donor Selection to Minimize Long-Term Risk**

*Arthur Matas, MD
University of Minnesota
Minneapolis, MN, USA*

Delayed Allograft Function – What is the Impact and What Therapeutics are the Most Promising?

Arie Crown Theater

Moderators: Stuart Flechner, MD FACS, Cleveland Clinic Foundation, Cleveland, OH, USA and Daniel Brennan, MD, FACP, Washington University in St. Louis, St. Louis, MO, USA

11:30 am **The Impact of DGF on the Patient – Trivial or Serious?**

*Joseph Kim, MD, PhD, MHS
Toronto General Hospital, University of Toronto
Toronto, ON, Canada*

12:00 pm **The Health Economic Consequences of Delayed Graft Function**

*Jon Friedman, MD
Optum
Cypress, CA, USA*

12:30 pm **Therapeutic Strategies to Reduce IRI and DGF – Does Anything Work?**

*Donald Hricik, MD
University Hospitals Case Medical Center
Cleveland, OH, USA*

Integration of APOL-1 into Kidney Transplantation: Summary of the AST Expert Workshop

Room E451B

Moderators: Anil Chandraker, MD, Brigham and Women's Hospital, Boston, MA, USA and John S. Gill, MD, MS, University of British Columbia, Vancouver, BC, Canada

11:30 am Testing for APOL-1 Gene Variants in the Setting of Deceased Donor Kidney Transplantation: Opportunities and Barriers

Alexander Wiseman, MD
University of Colorado
Aurora, CO, USA

12:00 pm APOL-1 and Living Kidney Donation: Balancing Autonomy and Safety

Kenneth Newell, MD, PhD
Emory University School of Medicine
Atlanta, GA, USA

12:30 pm Impact of APOL-1 The Impact of Screening on Access to Kidney Transplantation Among African Americans Transplantation of Kidneys from Living and Deceased Organ Donors

Jesse Schold, PhD, M. Stat, M.Ed.
Cleveland Clinic, Lerner Research Institute
Cleveland, OH, USA

What's Hot in Deceased Organ Donation – Normothermic Perfusion

Room E451A

Moderators: Joseph Magliocca, MD, Emory University, Atlanta, GA, USA and William Chapman, MD, Washington University, St. Louis, MO, USA

11:30 am Warm Perfusion of the Kidney

Sarah Hosgood, BSc, PhD
University of Cambridge
Cambridge, United Kingdom

12:00 pm Warm Perfusion in Liver Transplantation

Markus Selzner, MD
Toronto General Hospital
Toronto, ON, Canada

12:30 pm Warm Perfusion of the Heart

Jon Kobashigawa, MD
Cedars-Sinai Heart Institute
Los Angeles, CA, USA

Liver Transplant for HCC in the Next Decade

Room E450A

Moderators: Christopher Sonnenday, MD, MHS, University of Michigan, Ann Arbor, MI, USA and Goran Klintmalm, MD, PhD, Baylor University Medical Center, Dallas, TX

11:30 am Evolution of Liver Transplant for HCC: 20 Years Post-Milan

Vincenzo Mazzaferro, PhD, MD
Istituto Nazionale dei tumori
Milan, Italy

12:00 pm Evolution of UNOS Policies for HCC: What Does the Future Hold?

Ryutaro Hirose, MD
UCSF
San Francisco, CA, USA

12:30 pm HCC And NASH: The Sleeping Giant and the Potential Future

Kymerly Watt, MD
Mayo Clinic
Rochester, MN, USA

Keeping the High MELD/PELD Patient Alive On the List

Room E352

Moderators: Adnan Said, MD, MS, University of Wisconsin School of Medicine and Public Health, Madison, WI, USA and Janice Jou, MD, MHS, Oregon Health Sciences University, Portland, OR, USA

11:30 am New Strategies for the Management of Acute on Chronic Liver Failure

Jasmohan Bajaj, MD, MS
Virginia Commonwealth University and McGuire VAMC
Richmond, VA, USA

12:00 pm Infection in the Wait-Listed Liver Transplant Candidate

Andre Kalil, MD
University of Nebraska Medical Center
Omaha, NE, USA

12:30 pm Too Sick for Transplant: Frailty, Nutrition and Predictive Score Assessments

Jennifer Lai, MD, MBA
University of California San Francisco
San Francisco, CA, USA

HIV Positive Transplantation

Room E354A

Moderators: Michele I. Morris, MD, FACP, FIDSA, University of Miami Miller School of Medicine, Miami, FL, USA and Jayme Locke, MD, MPH, University of Alabama at Birmingham, Birmingham, AL, USA

- 11:30 am HIV Positive to Positive Transplantation – First Year Results and Outcomes in the USA**
Christine Durand, MD
Johns Hopkins University
Baltimore, MD, USA
- 12:00 pm HIV Positive to Positive Transplantation in South Africa – The Unexpected Outcomes and Lessons Learned**
Elmi Muller, MD
University of Cape Town
Cape Town, South Africa
- 12:30 pm HIV Positive Transplantations: Results with Maraviroc and MTOR Inhibitors**
Peter Stock, MD, PhD
University of California San Francisco
San Francisco, CA, USA

Bench to Bedside – T Cell Memory

Room E353AB

Moderators: Ronald Gill, PhD, University of Colorado – Denver, Aurora, CO, USA and Marisa Alegre, MD, PhD, The University of Chicago, Chicago, IL, USA

- 11:30 am Basic – T Cell Memory**
Anna Valujskikh, PhD
Cleveland Clinic
Cleveland, OH, USA
- 12:00 pm Translational – T Cell Memory**
Andrew Adams, MD, PhD
Emory University School of Medicine
Atlanta, GA, USA
- 12:30 pm Clinical – T Cell Memory**
Carla Baan, MD
Erasmus Medical Center / University Hospital
Rotterdam, Netherlands

Exosomes and Donor Antigen Cross Dressing in Alloimmunity

Room E353C

Moderators: William Burlingham, PhD, University of Wisconsin, Madison, WI, USA and Thalachallour Mohanakumar, PhD St. Joseph's Hospital and Medical Center, Phoenix, AZ, USA

- 11:30 am Role of Donor Dendritic Cell-Derived Exosomes in the Allo-Immune Response**
Adrian Morelli, MD, PhD
University of Pittsburgh
Pittsburgh, PA, USA
- 12:00 pm The Critical Role of Donor Exosomes in the Initiation of Alloreactive T Cell Responses**
Gilles Benichou, MD, PhD
Massachusetts General Hospital Boston
Boston, MA, USA
- 12:30 pm Exosomes as a Marker of Graft Injury**
Prashanth Vallabhajosyula, MD
Hospital of the University of Pennsylvania
Philadelphia, PA, USA

Immune Tolerance – Lessons from Non-Transplant Models

Room E450B

Moderators: Alessandro Alessandrini, PhD, Massachusetts General Hospital, Boston, MA, USA and Paige Porrett, MD, PhD, Univ of Penn, Philadelphia, PA, USA

- 11:30 am Immune Tolerance in Pregnancy**
Indira Guleria, PhD
Brigham and Women's Hospital
Southborough, MA, USA
- 12:00 pm Immunosuppressive Tumor Microenvironment**
Shu-hsia Chen
Mount Sinai Hospital in New York
New York, NY, USA
- 12:30 pm T Cell Exhaustion in Chronic Viral Infection**
TBD

Luncheon Workshops – Ticketed Events

1:00 pm – 2:15 pm

6. Looking Under the Hood of High Impact Papers Published in AJT

Moderators: Allan Kirk, MD, PhD, FACS, Duke University School of Medicine, Durham, NC, USA, Kevin Daly, MD, Boston Children's Hospital, Boston, MA, USA and David Wojciechowski, DO, Massachusetts General Hospital, Boston, MA, USA

1:00 pm **TBD**
TBD

1:15 pm **Discussion**

1:25 pm **CD57+ CD4 T Cells Underlie Belatacept-Resistant Allograft Rejection**

*Jaclyn Espinosa
Duke University
Durham, NC, USA*

1:40 pm **Discussion**

1:50 pm **Liver Transplantation After Ex Vivo Normothermic Machine Preservation: A Phase 1 (First-in-Man) Clinical Trial**

*Reena Ravikumar
Royal Free London/University of Oxford
London, United Kingdom*

2:05 pm **Discussion**

Concurrent Oral Abstract Sessions

2:30 pm – 4:00 pm

Basic Transplant Tolerance I

Room E350

Chairs: William Kitchens, MD/PhD, Emory Transplant Center, Atlanta, GA, United States and Anna Valujskikh, PhD, Cleveland Clinic, Cleveland, United States

2:30 pm **Induction of Sensitization and Resistance to Transplant Tolerance by Allogeneic Pregnancy (Abstract #205)**

Ashley N. Suah, James S. Young, Stella Hsu-Wei Khiew, Qiang Wang, Denping Yin, Maria-Luisa Alegre, Anita S. Chong. Chicago, IL.

2:42 pm **Induction of Delayed Renal Allograft Tolerance Using Only Clinically Available Reagents in Non-Human Primates (Abstract #206)**

Kiyohiko Hotta, Tetsu Oura, Abbas Dehnadi, Svjetlan Boskovic, Masatoshi Matsunami, Ivy Rosales, Neal R. Smith, Robert C. Colvin, A. Benedict Cosimi, Tatsuo Kawai. Boston, MA.

2:54 pm **Induction of Mixed Chimerism to Prolong Liver Allograft Survival in Cynomolgus Monkeys (Abstract #207)**

Erik Berglund, Jeffrey Stern, Paula Alonso Guallart, Sulemon Chaudhry, Sigal Kofman, Makenzie Danton, Joshua Weiner, Jay Lefkowitz, Sam Baker, Mercedes Martinez, Yojiro Kato, Tomoaki Kato, Megan Sykes, Adam Griesemer. New York, NY.

3:06 pm **Mouse FCs May Contain Lymphoid Progenitor Cells That Have the Capacity to Generate B and T Cells In Vivo (Abstract #208)**

Anita Y. Chhabra, Yujie Wen, Yimimg Huang, Hong Xu, Andrea Merchak, Suzanne T. Ildstad. Louisville, KY.

3:18 pm **Successful Induction of Tolerance of Fully Allogeneic Lung Graft with Adenosine A_{2A} Receptor (A2AR) Agonist in MHC-Defined CLAWN Miniature Swine (Abstract #209)**

Hisashi Sahara, Mitsuhiro Sekijima, Takahiro Murokawa, Yuichi Ariyoshi, Takehiro Iwanaga, Yurika Ichinari, Akira Shimizu, Kazuhiko Yamada. Kagoshima, Japan.

3:30 pm **Acute Mouse CMV Infection Abrogates Transplant Tolerance by Modulating Myeloid Cell Differentiation and Function: A Possible Role for Transcription Factor ROR γ t (Abstract #210)**

Anil Dangi, Lei Zhang, Xiaomin Zhang, Zheng Jenny Zhang, Xunrong Luo. Chicago, IL.

3:42 pm **Designing a Novel Selective Immunoproteasome Inhibitor Reveals a Critical Role of the IP and STAT5 Pathway in Regulating T Cell Exhaustion and Promoting Long Term Heart Allograft Acceptance (Abstract #211)**
Sujit Kumar Routray, Esilida Sula Karreci, Mayuko Uehara, Jean Pierre Assaker, Albana Mihali, Siawosh Eskandari, Leonardo Riella, Reza Abdi, Yawara Kawano, Carl Nathan, Gang Lin, Jamil Azzi. Boston, MA; New York, NY.

Emerging Interventions in Ischemia Reperfusion Injury

Room E351

Chairs: Anthony Jevnikar, MD, University Hospital - LHSC, London, Ontario, Canada and Jerzy Kupiec-Weglinski, UCLA, Los Angeles, CA, United States

2:30 pm **A Proof of Concept for Liver Graft Modification Using Warm Ex Vivo Perfusion – “It Is Not Just About Rescuing Marginal Grafts” (Abstract #212)**
Nicolas Goldaracena, Juan Echeverri, Nazia Selzner, David Grant, Jordan Feld, Markus Selzner. Toronto, Canada.

2:42 pm **Treating Ischemically Damaged Porcine Kidneys with Mesenchymal Stromal Cells During Normothermic Machine Perfusion (Abstract #213)**
M. Pool, J. Sierra Parraga, M. Roemeling-van Rhijn, M. Reinders, M. Hoogduijn, R. Ploeg, H. Leuvenink, Cyril Moers. Groningen, Netherlands; Rotterdam, Netherlands; Leiden, Netherlands; Oxford, United Kingdom.

2:54 pm **Expression of Injury and Repair Genes in Ex Vivo Perfused Swing Lung Transplants (Abstract #214)**
Peter Dromparis, Seigfried Wagner, Nader Aboelnaz, Jessica Luc, Darren Freed, Jayan Nagendran, Michael Mengel, Benjamin Adam. Edmonton, Canada.

3:06 pm **Normothermic Donor Lung Preservation with Portable EVLP Significantly Reduces Ischemia/Reperfusion Injury in Lung Recipients by Promoting Cytokine Antagonists (Abstract #215)**
Christine S. Falk, Bettina Wiegmann, Christine Neudörfl, Christian Kühn, Igor Tudorache, Murat Wvsar, Axel Haverich, Gregor Warnecke. Hannover, Germany.

3:18 pm **Kidney Injury Molecule-1 Mitigates Tissue Damage from Transplant Renal Ischemia Reperfusion Injury (Abstract #216)**
Ji Yun Lee, Xizhong Zhang, Aaron R. Haig, Dameng Lian, Patrick T. Anderson, Roshan Navaratnam, Lakshman Gunaratnam. London, ON, Canada.

3:30 pm **Extra-Renal Cardiac Injury Is Associated with Upregulation of NOD2 and Nlrp3 in the Heart After Renal IRI (Abstract #217)**
Andrew Scheinok, Sashi Kasimsetty, Elizabeth Soo, Cade Nelson, Alana Shigeoka, Dianne McKay. La Jolla, CA.

3:42 pm **Dendritic Cell Expression of Rictor (mTORC2), but Not Raptor (mTORC1), Protects Against Renal Ischemia-Reperfusion Injury (Abstract #218)**
Helong Dai, Natasha M. Rogers, Alicia R. Watson, Daniel Fantus, Angus W. Thomson. Pittsburgh, PA; Sydney, Australia; Changsha, China.

Heart Transplantation: Antibodies and Outcomes

Room E271B

Chairs: Howard Eisen, MD, Drexel University College of Medicine, Philadelphia, PA, United States and Jignesh Patel, MD PhD, Cedars-Sinai Heart Institute, Beverly Hills, CA, United States

2:30 pm **Gene Expression Profiling for the Identification and Classification of Antibody-Mediated Heart Rejection (Abstract #219)**
A. Loupy, J. P. Duong Van-Huyen, L. Hidalgo, J. Reeve, M. Racapé, O. Aubert, J. Venner, D. Viglietti, P. Bruneval, C. Lefaucheur, P. Halloran. Paris, France; Edmonton, Canada.

- 2:42 pm** **Young African American Heart Transplant Recipients Have an Elevated Risk of Post-Transplant Mortality (Abstract #220)**
Hasina Maredia, Mary Grace Bowring, Allan Massie, Shakirat Oyetunji, Christian Merlo, Robert Higgins, Dorry Segev, Errol Bush. Baltimore.
- 2:54 pm** **Clinical Correlation of Endomyocardial Biopsies Molecular Profiling: Taking Rejection Diagnosis Beyond Histology (Abstract #221)**
L. Potena, L. Borgese, A. Gaudenzi, V. Agostini, J. Reeve, M. Masetti, F. Grigioni, O. Leone, Philip Halloran. Bologna, Italy; Edmonton, Canada.
- 3:06 pm** **Validation of a Prediction Model for Cardiac Allograft Vasculopathy (Abstract #222)**
Evan Kransdorf, Tamar Aintablian, Michelle Kittleson, Jignesh Patel, Jon A. Kobashigawa. Los Angeles.
- 3:18 pm** **High Titer De Novo Donor-Specific HLA Alloantibodies and Cardiac Allograft Vasculopathy After Pediatric Heart Transplantation (Abstract #223)**
Bibhuti B. Das, Song Zhang, Ang Gao, Chantale Lacelle. Dallas, TX.
- 3:30 pm** **Primary Graft Dysfunction After Pediatric Heart Transplant (Abstract #224)**
Katie Mowers, Kathleen Simpson, Pirooz Eghtesady, Orlando Petrucci, Charles Canter, Chesney Castleberry. St. Louis, MO.
- 3:42 pm** **Antibodies to Angiotensin Type II Receptor I Are Associated with Primary Graft Dysfunction After Orthotopic Heart Transplant in Patients with Ventricular Assist Device as Bridge to Transplant (Abstract #225)**
Michelle J. Hickey, Eugene DePasquale, Sajjan Shah, Darko Vucicevic, Jennifer Qiheng Zhang, Nicole Valenzuela, Mario Deng, Elaine F. Reed. Los Angeles, CA.

Infectious Complications of Transplant

Room E265

Chairs: Lara Danziger-Isakov, MD, MPH, Cincinnati Children's Hosp Med Cntr, Cincinnati, OH, United States and Aneesh Mehta, MD, Emory University School of Medicine, Atlanta, GA, United States

- 2:30 pm** **BK Virus Infection and Risk of Urinary Tract Cancers Among Kidney Transplant Patients in the Transplant Cancer Match Study (Abstract #226)**
Gaurav Gupta, Sarat Kuppachi, Roberto Kalil, Christopher Buck, Charles Lynch, Eric Engels. Richmond; Iowa City; Bethesda.
- 2:42 pm** **Influenza Viral Dynamics in a Large Cohort of Transplant Patients with Natural Influenza Infection (Abstract #227)**
Victor H. Ferreira, A. Humar, E. Cordero, E. Blumberg, A. Limaye, F. Silveira, L. Danziger-Isakov, M. Levi, J. Kalpoe, J. Englund, Multicenter Influenza Group, Deepali Kumar. Toronto, Canada; Seville, Spain; Philadelphia; Leiden, Netherlands; Pittsburgh; Cincinnati; Denver; Seattle.
- 2:54 pm** **Mutations in Influenza A Virus and Clinical Implications in Transplant Recipients (Abstract #228)**
Victor H. Ferreira, A. Humar, E. Cordero, E. Blumberg, S. Husain, J. Kalpoe, Multicenter Influenza Group, Deepali Kumar. Toronto, Canada; Seville, Spain; Philadelphia; Leiden, Netherlands.
- 3:06 pm** **Hepatitis B Virus Infection Is Associated with Recurrent Nephropathy After Kidney Transplantation (Abstract #229)**
Guodong Chen, Chang Wang, Zixuan Wu, Changxi Wang, Jiang Qiu, Lizhong Chen. Guangzhou, China.
- 3:18 pm** **Hepatitis E Virus-Associated Cryoglobulinemia in Solid-Organ-Transplant Recipients: A Prospective Study (Abstract #230)**
Olivier Marion, Florence Abravanel, Laure Esposito, Sebastien Lhomme, Arnaud Del Bello, Jacques Izopet, Nassim Kamar. Toulouse, France.

3:30 pm Clinical Risk Factors for Bronchiolitis Obliterans Syndrome (BOS) in Lung Transplant Recipients (LTRs): Results of an International Cohort Study (Abstract #231)
 Nancy Law, Bassem Hamandi, Christine Fegbeutel, Fernanda P. Silveira, Erik A. Verschuuren, Piedad Ussetti, Peter V. Chin-Hong, Amparo Solé, Chien-Li Holmes-Liew, Eliane M. Billaud, Paolo A. Grossi, Oriol Manuel, Deborah J. Levine, Richard G. Barbers, Denis Hadjiliadis, Lianne G. Singer, Shahid Husain. Toronto, ON, Canada; Hannover, Germany; Pittsburgh, PA; Groningen, Netherlands; Madrid, Spain; San Francisco, CA; Valencia, Spain; Adelaide, Australia; Paris, France; Varese, Italy; Lausanne, Switzerland; San Antonio, TX; Los Angeles, CA; Philadelphia, PA.

3:42 pm Chagas Disease and Outcome in Kidney Transplant (Abstract #232)
 Marcelo F. Taylor, Andrea Martinoia, Silvia Di Pletrantonio, Mónica Torres, Hugo S. Petrone. La Plata, Buenos Aires, Argentina.

Kidney BK Virus

Room E451A

Chairs: Sarat Kuppachi, MBBS, UIHC, Iowa City, IA, United States and Parmjeet Randhawa, MD, Univ Pittsburgh, Pittsburgh, PA, United States

2:30 pm BK Polyomavirus-Specific 9mer T-Cell Responses Predict Control of Viremia in Kidney Transplant Recipients: First Report from the Swiss Transplant Cohort Study (Abstract #233)
 H. H. Hirsch, C. Leboeuf, S. Wilk, R. Achermann, I. Binet, D. Golshayan, K. Hadaya, C. Hirzel, M. Hoffmann, U. Huynh-Do, M. T. Koller, O. Manuel, N. Mueller, T. Mueller, S. Schaub, C. Van Delden, F. Weissbach. Basel, Switzerland; St Gallen, Switzerland.

2:42 pm Noninvasive Prognostication of Renal Allograft Failure Following BK Virus Associated Nephropathy – A Validation Study (Abstract #234)
 E. Abuhelaiqa, C. Snopkowski, C. Li, J. Lee, T. Muthukumar, H. Yang, M. Suthanthiran, D. Dadhania. NY, NY.

2:54 pm Impact of Donor BK-Virus Replication on Posttransplant BKV Replication After Living-Donor Transplantation (Abstract #235)
 Jimmy Grellier, Arnaud Del Bello, Laure Esposito, Anne Laure Hebral, Catherine Mengelle, Nassim Kamar. Toulouse, France.

3:06 pm Resumption of Standard Dose Immunosuppression Following Resolution of BK Viremia Does Not Lead to Viremia Recurrence (Abstract #236)
 Kawther F. Alquadan, Alfonso H. Santos, Michael J. Casey, Tezcan Ozrazgat-Baslanti, Shahab Bozorgmehri, Jon A. Gregg, Karl L. Womer. Gainesville, FL.

3:18 pm Calibration of BK Virus Nucleic Acid Amplification Testing to the 1st WHO International Standard for BK Virus (Abstract #237)
 Susanna K. Tan, Stephen Milligan, Malaya K. Sahoo, Nathaniel Taylor, Benjamin A. Pinsky. Stanford, CA.

3:30 pm Repeat Biopsies After the Diagnosis of BK Virus Associated Nephropathy: Importance of Integrating Clinical and Pathological Findings (Abstract #238)
 Cinthia Drachenberg, John C. Papadimitriou, Richard Ugarte, Manju Mavanur, Beje Thomas, Charles Cangro, Nadiesda Costa, Mathew Weir, Abdolreza Haririan. Baltimore, MD.

3:42 pm Urinary Retention Associated with Polyomavirus (BK) Viruria and Higher Peak Blood BK Following Kidney Transplant (KTx) (Abstract #239)
 Wisit Cheungpasitporn, Hatem Amer, Fernando G. Cosio, Carrie A. Schinstock. Rochester, MN.

Kidney Clinical Psychosocial

Room E354B

Chairs: Raquel Garcia-Roca, MD, Loyola University Medical Center, Chicago, IL, United States and Kristin Raven, MD, Beth Israel Deaconess Medical Center, Boston, MA, United States

2:30 pm Emergency Department Utilization Among Kidney Transplant Recipients in the United States (Abstract #240)
 Brendan Lovasik, Rebecca Zhang, Justin Schragger, Stephen Pastan, Andrew Adams, Rachel Patzer. Atlanta, GA.

Monday, May 1

- 2:42 pm Dementia and Alzheimer's Disease Among Older Kidney Transplant Recipients (Abstract #241)**
Mara McAdams DeMarco, Sunjae Bae, Nadia Chu, Alden Gross, Charles Brown IV, Esther Oh, Paul Rosenberg, Karin Neufeld, Ravi Varadhan, Marilyn Albert, Jeremy Walston, Dorry Segev. Baltimore, MD.
- 2:54 pm Employment Patterns After Kidney Transplantation: Rates, Contributing Factors and Outcomes (Abstract #242)**
Joseph Kim, Jayoti Rana, Monika Ashwin, Yanhong Li, Olusegun Famure. Toronto, ON, Canada.
- 3:06 pm Impact of Cognitive Impairment on Kidney Transplantation Listing Between Sexes (Abstract #243)**
Christine Haugen, Hao Ying, Jacqueline Garonzik Wang, Mara McAdams-DeMarco, Dorry Segev. Baltimore.
- 3:18 pm Prescription Opioid Use Before and After Kidney Transplant: Implications for Post-Transplant Outcomes (Abstract #244)**
Krista Lentine, Ngan N. Lam, Dorry L. Segev, David A. Axelrod, Zidong Zhang, Huiling Xiao, Grerory P. Hess, Bertram L. Kasiske, Raj Gadi, Radhika Devraj, Daniel C. Brennan, Henry Randall, Mark Schnitzler. St. Louis, MO; Edmonton, AB, Canada; Baltimore, MD; Greenville, NC; Philadelphia, PA; Minneapolis, MN; Edwardsville, IL.
- 3:30 pm Post-Donation Experiences of Non-Directed (Altruistic) Living Kidney Donors in the United States (Abstract #245)**
Ariella Maghen, Grecia B. Vargas, Sarah E. Connor, Sima Nassiri, Elisabeth M. Hicks, Lorna Kwan, Sally L. Maliski, Jeffrey Veale. Los Angeles, CA; Portland, OR; Kansas City, KS.
- 3:42 pm Factors Predicting 30-Day Hospital Readmission After Kidney Transplant (Abstract #246)**
Jamie Ostrem, Marissa Brokhof, Nicole Kenyon, Edward Hollinger, Stephen Jensik, Oyedolamu Olaitan, Martin Hertl, Nicole Alvey. Chicago, IL.
- Liver Retransplantation and Other Complications**
Room E353AB
Chairs: Peter Abt, University of Pennsylvania, Philadelphia, PA, United States and Talia Baker, MD, University of Chicago Medicine, Chicago, Il, United States
- 2:30 pm Liver Retransplantation: The Largest Post MELD Single Center Experience (Abstract #247)**
Fady M. Kaldas, Islam M. Korayem, Vatche G. Agopian, Tara A. Russell, Samer Ebaid, Ali Zarrinpar, Hasan Yersiz, Douglas G. Farmer, Ronald W. Busuttil. Los Angeles, CA.
- 2:42 pm Contemporary Outcomes and Risk Factors of Acute Graft-versus-Host Disease After Liver Transplant (Abstract #248)**
Johnathon Markus, Aymen Bukannan, Brittany Kashat, Reena Salgia. Detroit, MI.
- 2:54 pm Effects of Liver Transplantation on Cardiac Function in Patients Transplanted for NASH Cirrhosis (Abstract #249)**
Haripriya Maddur, Lisa VanWagner, Dyanna Li Gregory, Bernadette Wodzinski, Kameshwari Maganti, Mary Rinella. Chicago, IL.
- 3:06 pm Risk of Ischemic Biliary Injury Is Not Associated with Prolonged Hepatic Artery Ischemic Times During Liver Transplantation (Abstract #250)**
Erin M. Armenia, Nathan Schomaker, Avash Kalra, Jane Gralla, Aimee Truesdale, Scott W. Biggins, Trevor Nydam, James Burton. Aurora, CO; Seattle, WA.
- 3:18 pm Cardiovascular Events Are a Substantial and Increasing Cause of Graft Loss in Liver Transplant Recipients (Abstract #251)**
M. Sell, A. Mardis, I. Lee, B. O'Brien, C. Perez, A. Rogers, C. Mardis, N. Patel, J. Fleming, H. Meadows, N. Pilch, K. Chavin, David Taber. Charleston, SC.

3:30 pm Clinical Evaluation of the Safety and Preliminary Efficacy of Continuous Infusion of Treprostinil to Prevent Ischemia and Reperfusion Injury in Adult Orthotopic Liver Transplant Recipients (Abstract #252)
Omar A. Almazroo, Mohammad K. Miah, Venkateswaran C. Pillai, Abhinav Humar, Amit Tevar, Christopher Hughes, Ali AlKhafaji, Anthony Demetris, Stephenie Dermont, Sheila Fedorek, Heather Johnson, Roberto Lopez, Raymond Planinsic, Bodhisatwa Sengupta, Ilango Sethu, Mark Sturdevant, Staci Ziobert, Raman Venkataramanan. Pittsburgh, PA.

3:42 pm Early Acute Cellular Rejection(eACR) as a Marker of Immunologic Competency Following Liver Transplantation(LT) (Abstract #253)
V. Kirchner, A. Bandgdiwala, D. Vock, M. Hassan, R. Kandaswamy, J. Lake, N. Lim, A. Mahgoub, E. Minja, A. Pugalenthi, B. Sengupta, O. Serrano, J. Thompson, W. Payne, T. Pruett, S. Chinnakotla. Minneapolis, MN.

Living Kidney Donation: Post Donation Issues

Room E450B

Chairs: Joseph Buell, MD,MBA, Tulane University, New Orleans, LA, United States and Alexander Gilbert, MD, MedStar Georgetown Transplant Institute, Washington DC, DC, United States

2:30 pm Apolipoprotein L1 & Chronic Kidney Disease Risk in Young Potential Living Kidney Donors (Abstract #254)
Jayme E. Locke, Deirdre Sawinski, Rhiannon D. Reed, Brittany Shelton, Paul A. MacLennan, Vineeta Kumar, Shikha Mehta, Roslyn B. Mannon, Robert Gaston, Bruce A. Julian, J. Jeffrey Carr, James G. Terry, Meredith Kilgore, Allan B. Massie, Dorry L. Segev, Cora E. Lewis. Birmingham; Philadelphia; Nashville; Baltimore.

2:42 pm Impact of Cold Ischemia Time on Outcomes in Kidney Paired Donation (KPD) (Abstract #255)
R. R. Redfield, D. Vock, R. E. Hayes, A. J. Matas. Madison; Minneapolis.

2:54 pm APOL1 Genotype Does Not Affect Donor Renal Function Post Live Kidney Donation (Abstract #256)
Konstantinos Koutroutsos, Ruhena Sergeant, Fiona Powell, Corinna Freeman, Rawya Charif, Jack Galliford, Paul Brookes, David Taube, Marina Loucaidou. London, United Kingdom.

3:06 pm Post-Donation GFR Changes in Living Kidney Donors (Abstract #257)
Emilio D. Poggio, Susana Arrigain, Joshua J. Augustine, Stuart Flechner, Jesse Schold. Cleveland, OH.

3:18 pm Increased Long-Term Mortality 20 years After Living Kidney Donation (Abstract #258)
Geir Mjoen, Stein Hallan, Hallvard Holdaas. Oslo, Norway; Trondheim, Norway.

3:30 pm Long-Term Consequences of Post-Donation Preeclampsia (Abstract #259)
Hassan Ibrahim, D. Berglund, S. Jackson, A. J. Matas. Mpls.

3:42 pm Analysis of Differences in Living Donor and Recipient Pairs Estimated GFR at Six Months Over Time (Abstract #260)
Douglas S. Keith. Pensacola, FL.

Long Term Kidney Graft Survival I

Room E450A

Chairs: Simin Goral, MD, University of Pennsylvania, Philadelphia, PA, United States and Michael Hanaway, MD, Univ of Alabama At Birmingham, Birmingham, AL, United States

2:30 pm Circulating Donor-Specific Anti-HLA Antibodies Accelerate the Progression of Interstitial Fibrosis in Kidney Allografts (Abstract #261)
C. Gosset, D. Viglietti, M. Rabant, E. Pillebout, A. Bouquegneau, J. L. Taupin, D. Glotz, C. Legendre, J. P. Duong Van-Huyen, A. Loupy, C. Lefaucheur. Paris, France.

2:42 pm The Use of Very High KDPI Kidneys in Elderly Kidney Transplant Recipients – Discarded in the U.S. but Successfully Transplanted in Europe (Abstract #262)
Fabian Halleck, Dmytro Khadzhynov, Gregor Rehse, Lukas Lehner, Eva Schrezenmeier, Michael Dürr, Klemens Budde, Oliver Staack. Berlin, Germany.

2:54 pm A Non-Invasive Urinary Common Rejection Module (uCRM) Gene Expression Score Quantifies and Differentiates Kidney Transplant Injury (Abstract #263)

Tara K. Sigdel, Joshua Y. C. Yang, Oriol Bestard, Szu-Chuan Hsieh, Silke Roedder, Izabella Damm, Juliane Liberto, Sharvin Nandoe, Minnie M. Sarwal. San Francisco; Atlanta.

3:06 pm Epigenetic Modifications in the Progression to Chronic Renal Allograft Injury (Abstract #264)

Vineela Bontha, Daniel Maluf, Mikhail Dozmorov, Kellie Archer, Lorenzo Gallon, Valeria Mas. Charlottesville; Richmond; Columbus; Chicago.

3:18 pm Expression of T-Cell Mediated Rejection (TCMR) Associated Genes in Native and Renal Allograft Renal Biopsies with Inflamed Scars (i-IFTA) (Abstract #265)

Zili Lyu, Ling Pang, Gang Zeng, Yuchen Huang, Parmjeet Randhawa. Nanning, Guangxi, China; Pittsburgh, PA.

3:30 pm Survival Outcomes from DCD Transplant Are Comparable to DBD Transplant from Kidneys Procured from Donors > 50 Years of Age. A UNOS/OPTN Propensity Score Matched Pair Analysis (Abstract #266)

Hemant Sharma, David M. Mikhail, Jingwen Chen, Bijad Al-Harbi, Patrick P. Luke, Alp Sener. London, ON, Canada.

3:42 pm Is "Death with a Functioning Graft (DWF)" Really Death with Function? Data from the Long-Term Deterioration of Kidney Allograft Function (DeKAF) Study (Abstract #267)

Robert Gaston, A. Fieberg, L. Hunsicker, D. Rush, R. Leduc, J. Connett, A. Matas, DeKaf Investigators. Birmingham, AL; Minneapolis, MN; Iowa City, IA; Winnipeg, Canada.

Mechanisms of Allograft Rejection

Room E352

Chairs: Scott Krummey, MD, PhD, Emory University School of Medicine, Atlanta, Georgia, United States and Leonardo Riella, MD PhD, Brigham and Women's Hospital, Harvard Medical School, Boston, MA, United States

2:30 pm CTLA4-Ig Inhibits Effector CD8⁺ T Cell Function In Vivo and Rescues Ongoing Acute Allograft Rejection (Abstract #268)

James Young, Stella Khiew, Jinghui Yang, Maria-Luisa Alegre, Anita Chong. Chicago, IL.

2:42 pm CD4 T Cell Migration Across Lymphatic Endothelium Is Enhanced by Sphingosine 1-Phosphate (S1P) and Differentially Regulated by S1P Receptors (S1PR) (Abstract #269)

Y. B. Xiong, C. C. Brinkman, K. L. Hippen, B. R. Blazar, Jonathan Bromberg. Baltimore; Minneapolis.

2:54 pm Binding of Antigens by Its Specific Antibodies Results in Exosome Formation Leading to Rejection of Syngeneic Murine Cardiac Grafts (Abstract #270)

Monal Sharma, W. Liu, M. Gunasekaran, S. Bansal, T. Mohanakumar. Phoenix.

3:06 pm Differential Effects of the Novel ATP-Competitive mTOR Inhibitor (TORKinib) AZD2014 and Rapamycin on Alloimmunity and Transplant Survival (Abstract #271)

Daniel Fantus, Yoshihoro Ono, Helong Dai, Shinichiro Yokota, Osamu Yoshida, Angus W. Thomson. Pittsburgh, PA.

3:18 pm Differential Expression of Long Noncoding RNAs During Cardiac Allograft Rejection (Abstract #272)

Guangxiang Gu, Hualian Hang, Tianfei Lu, Qiang Xia. Shanghai, China.

3:30 pm TIE'ing Statins to Microvascular Stability and Endothelial Cell Immunogenicity (Abstract #273)

Chandra C. Ghosh, AnneLinde Mak, Megan McGourty, Samir M. Parikh, Xiuying Chen, Sarah Goldberg, Johannes Wedel, David M. Briscoe. Boston, MA.

3:42 pm Increased Ischemic Inflammation Induces Recipient Endogenous Memory CD4 Cell-Graft Dendritic Cell Interactions to Provide Help for Activation of Endogenous Memory CD8 T Cells (Abstract #274)
Hidetoshi Tsuda, Toshiaki Tanaka, Charles A. Su, Anna Valujskikh, Robert Fairchild. Cleveland, OH.

Organ Perfusion Strategies

Room E353C

Chairs: Cristiano Quintini, MD, Cleveland Clinic, Cleveland, OH, United States and Markus Selzner, MD, University of Toronto, Toronto, ON, Canada

2:30 pm Ischemia-Reperfusion Injury-Induced Innate Immune Signaling in Human Orthotopic Liver Transplantation (Abstract #275)
Rebecca A. Sosa, Ali Zarrinpar, Maura Rossetti, Charles R. Lassman, Bitu V. Naini, Nakul Datta, Ronald W. Busuttil, David W. Gjertson, Jerzy W. Kupiec-Weglinski, Elaine F. Reed. Los Angeles, CA.

2:42 pm First Report of Human Liver Transplantation After Normothermic Machine Perfusion (NMP) in the United States (Abstract #276)
Qiang Liu, Basem Soliman, Giuseppe Iuppa, Ahmed Nassar, Ahmed Hassan, Teresa Diago Uso, Koji Hashimoto, Federico Aucejo, Masato Fujiki, Bijan Eghtesad, Jacek Cywinski, Samuel Irefin, John Fung, Kareem Abu-Elmagd, Charles Miller, Cristiano Quintini. Cleveland.

2:54 pm 36 Hours of Ex-Vivo Warm Cellular Perfusion of Swine Liver Using the Organ Care System (OCS™) Liver with Excellent Functional, Metabolic and Histological Outcomes (Abstract #277)
Joseph F. Magliocca, James F. Markmann, Marwan S. Abouljoud, Mark Ghobrial, Anthony Demetris. Atlanta, GA; Boston, MA; Detroit, MI; Houston, TX; Pittsburgh, PA.

3:06 pm Improved Outcomes After Liver Transplantation from Controlled DCD Donors with Normothermic Regional Perfusion (Abstract #278)
Gabriel C. Oniscu, Fiona Hunt, Wendy Herries, Ian Currie, Andrew Sutherland, Craig Beattie, Euan Thomson. Edinburgh, United Kingdom.

3:18 pm Results of the Initial Phase of the Portable Organ Care System (OCS™) Liver PROTECT Pivotal Trial (Abstract #279)
James F. Markmann, Mark Ghobrial, Joseph F. Magliocca, Anthony Demetris, Marwan S. Abouljoud. Boston, MA; Detroit, MI; Houston, TX; Atlanta, GA; Pittsburgh, PA.

3:30 pm Early Results of the UK REVIVE Trial for Ex-Vivo Liver Warm Blood Perfusion of DCD and DBD Livers Using the Portable Organ Care System (OCS™) Liver Technology (Abstract #280)
Dhakshinamoorthy Vijayanand, Firas Zahreldeen, Jennifer Kingston, Shahid Farid, Tracy Mdlongwa, Anthony Ramsden, Sean Willis, Catherine Moriarty, Magdy Attia. Leeds, United Kingdom.

3:42 pm Ex-Situ Extended Limb Preservation: A Protocol for Porcine Limb Perfusion (Abstract #281)
Edoardo Dalla Pozza, Eliana Duraes, Maria Madajka, Russel Frautschi, Kihyun Cho, Nadeera Dawlagala, Vahe Fahradyan, Hirsh Shah, Cagri Cakmakoglu, Cristiano Quintini, Francis Papay, Antonio Rampazzo, Bahar Bassiri Gharb. Cleveland, OH.

Transplant Regulation and Management: Allocation, Access and Other Transplant Management Topics

Room E451B

Chairs: Gwen McNatt, RN, PhD, FNP-BC, Northwestern Memorial Hospital, Chicago, Illinois, United States and Anne Murphy, MBA, FACHE, University of Michigan, Ann Arbor, Michigan, United States

2:30 pm Transplant Economics Post Implementation of the Affordable Care Act and the Budget Control Act Sequestration Adjustment on Medicare Reimbursement (Abstract #282)
Edward Zavala, John Rogers, Robert Howey, Seth Karp. Nashville; San Diego; Jacksonville.

- 2:42 pm The Impact of the New Kidney Allocation System on Length of Dialysis Prior to Transplantation (Abstract #283)**
Taylor Melanson, Mohua Basu, Laura Plantinga, Stephen Pastan, Sumit Mohan, Rachel Patzer. Atlanta; New York.
- 2:54 pm A New Methodology for Measuring and Monitoring Equity in Access to Deceased Donor Kidney Transplants (Abstract #284)**
Darren Stewart, Amber Wilk, Wida Cherikh, Ann Harper, Read Urban, David Klassen, Erick Edwards. Richmond, VA.
- 3:06 pm Increasing Organ Supply in the US: A Systematic Review of Presumed Consent vs. Informed Consent (2006-2016) (Abstract #285)**
M. Usman Ahmad, Afif Hanna, Ahmed Mohamed, Rahul Mhaskar, Tambi Jarmi, Alex Schlindwein, Caitlin Pley, Ingrid Bahner. Tampa, FL; Gulfport, FL; Cambridge, Cambridgeshire, United Kingdom.
- 3:18 pm The Unfunded OPTN/UNOS Mandate of Living Kidney Donor Follow-Up: Fewer Than 50% of Centers in Compliance (Abstract #286)**
Macey Henderson, Alvin Thomas, Allan Massie, Xun Luo, Ashton Shaffer, Courtenay Holscher, Dorry Segev. Baltimore, MD.
- 3:30 pm Vendor to Center in 0-60: A Safe and Effective Blueprint for Creating an In-House On-Call System for Organ Offers (Abstract #287)**
Krista Driggers, Jordan Davenport, Debra Cassidy, Lena Curry, Allison Milling, Amy Hauser, Heather Crego, Prabhakar Baliga, Nicole Pilch, Derek Dubay, Julie Anderson. Charleston, SC.
- 3:42 pm We Wish This Would Never Happen Again! Implementation of an Adverse Event Review System to Improve the Safety of Pediatric Solid Organ Transplant (SOT) Patients (Abstract #288)**
Joshua Gossett, Mike Lake, John Bucuvalas, Anjali Basu, Lauren Burkhart, Lara Danziger-Isakov, Angela Lorts. Cincinnati, OH.
- Treatment of Antibody Mediated Rejection in Kidney Transplant Recipients**
Room E354A
Chairs: Donald Hricik, MD, Case Western Reserve, Cleveland, OH, United States and Eric Langewisch, MD, University of Nebraska Medical Center, Omaha, NE, United States
- 2:30 pm Safety & Long Term Outcomes of Tocilizumab (Anti-IL6R, TCZ) Therapy in Treatment of Chronic Antibody Mediated Rejection (CABMR) & Transplant Glomerulopathy (TG) in Highly-HLA Sensitized (HS) Patients (PTs) (Abstract #289)**
J. Choi, O. Aubert, A. Vo, A. Loupy, M. Haas, S. Louie, A. Kang, A. Peng, R. Najjar, E. Huang, M. Toyota, X. Zhang, S. C. Jordan. Los Angeles, CA; Paris, France.
- 2:42 pm Composite Prognostic Score Improves Clinical Benefit in Kidney Recipients Receiving Standard of Care Therapy for Antibody-Mediated Rejection (Abstract #290)**
D. Viglietti, A. Loupy, O. Aubert, E. Pillebout, C. Legendre, D. Glotz, C. Lefaucheur. Paris, France.
- 2:54 pm Complement Activating Anti-HLA Antibodies: Identification of Specific Histo-Mmolecular Phenotype of Rejection for Complement-Targeting Therapy (Abstract #291)**
C. Lefaucheur, B. Sis, D. Viglietti, L. Hidalgo, O. Aubert, D. Glotz, C. Legendre, A. Zeevi, P. Halloran, A. Loupy. Paris, France; Edmonton, Canada; Pittsburgh.
- 3:06 pm Safety and Activity of Anti-C1s Humanized Monoclonal Antibody TNT009 in Late Antibody-Mediated Kidney Allograft Rejection – Results of a First-in-Human Phase 1 Trial (Abstract #292)**
Farsad A. Eskandary, Bernd Jilma, Jakob Muehlbacher, Markus Wahrmann, Heinz Regele, Nicolas Kozakowski, Sandip Panicker, Jeff Reeve, Philipp F. Halloran, James C. Gilbert, Georg A. Bohmig. Vienna, Austria; San Francisco; Edmonton, Canada.

3:18 pm Experience with Obinutuzumab (Type II Anti-CD20) in Kidney Transplant Patients with Donor Specific Antibody (DSA+) Antibody Mediated Rejection (Abstract #293)
Jua Choi, Ashley Vo, Edmund Huang, Sabrina Louie, Alexis Kang, Alice Peng, Reiad Najjar, Stanley C. Jordan. Los Angeles, CA.

3:30 pm Belatacept for Chronic Antibody-Mediated Rejection in Kidney Transplantation (Abstract #294)
Dhiren Kumar, Gaurav Gupta, Jeff Reeve, Pooja Sanghi, Sindhura Bobba, Marlon Levy, Chandra Bhati, Pamela Kimball, Hasan Fattah, Anne King, Hugh Massey, Philip Halloran. Richmond; Edmonton, Canada.

3:42 pm Rapid Depletion of Circulating DSA and Treatment of Acute Antibody-Mediated Rejection with the Combination of CTLA-4Ig/Belatacept and Bortezomib in Mouse and Man (Abstract #295)
James Young, Augustin Vannier, Ginny Bumgardner, Anita Chong, Ronald Pelletier. Chicago, IL; Columbus, OH.

Pediatric/Allied Health Symposium

2:30 pm – 6:00 pm

Room E253ABCD

Promoting Adherence in the 21st Century
Moderators: Marie Chisholm-Burns, PharmD, University of TN College of Pharm, Memphis, TN, USA and Hilda Fernandez, MD, MS, Columbia University, New York, NY, USA

2:30 pm Report from the AST Adherence Task Force – Real World Options for Promoting Adherence
*Larissa Myaskovsky, PhD
University of Pittsburgh, School of Medicine
Pittsburgh, PA, USA*

3:00 pm Use of Once Daily Immunosuppression Regimens to Promote Adherence in the Pediatric/ Adolescent Population
*Rochelle Liverman, PharmD
Children's Healthcare of Atlanta
Atlanta, GA, USA*

3:30 pm Technology Based Interventions to Promote Adherence in Adult and Pediatric Populations
*John McGillicuddy, MD
Medical University of South Carolina
Charleston, SC, USA*

4:00 pm Coffee Break

Transplantation and Generation Z

Moderators: Mary Moss, PharmD, Children's Hospital Colorado, Denver, CO, USA and Amy Bobrowski, MD, Ann & Robert H. Lurie Children's Hospital of Chicago, Elmhurst, IL, USA

4:30 pm Lost in Translation, Speaking with Generation Z
*Emily Fredericks, PhD
University of Michigan / C.S. Mott Children's Hospital
Ann Arbor, MI, USA*

5:00 pm Social Media and Peer Mentoring as Bridges to the Adult World
*Heidi Yeh, MD
Massachusetts General Hospital
Boston, MA, USA*

5:30 pm Are They Really Ready? Assessing Readiness for Transition to the Adult World
*Beverly Kosmach-Park, DNP, RN, FAAN
Children's Hospital Pittsburgh
Pittsburgh, PA, USA*

Allied Health Symposium 2

2:30 pm – 6:00 pm

Balancing Quality & Risk

Room E258

The ABC's in transplantation: UNOS, MPSC, SRTR, CMS
Moderators: Demetra Tsapepas, PharmD, New York-Presbyterian Hospital, New York, NY, USA and Brigitte Sullivan, MBA, NYU Langone Transplant Institute, New York, NY, USA

2:30 pm The Basics: Developing a QAPI Program
*Tiffany Kaiser, PharmD
University of Cincinnati
Cincinnati, OH, USA*

3:00 pm Survey Readiness: How Will You Make Your Allstar Team Shine
*Meredith Aull, PharmD
Weill Cornell Medical College
New York, NY, USA*

3:30 pm Data Analytics: Making Better Business Decisions and Expanding Your QAPI Program
*Sumit Mohan, MD, MPH
Columbia University
New York, NY, USA*

4:00 pm Coffee Break

MPSC: Friend or Foe? Current Status and The Future Of Transplant Program Oversight
Moderators: Jon Snyder, PhD, Minneapolis Medical Research Foundation, Minneapolis, MN, USA and Stuart Sweet, MD, Washington University/ St. Louis Children's Hospital, St. Louis, MO, USA

4:30 pm – 5:00 pm Lesions from the Real World: An MPSC Transplant Center Case Study
*Liise Kayler, MD, MS, FACS
Erie County Medical Center
Buffalo, NY, USA*

5:00 pm – 5:30 pm Lesions from the Real World: A CMS Transplant Center Case Study
*James Whiting, MD
Maine Medical Center
Portland, ME, USA*

5:30 pm – 6:00 pm The OPTN Coin Project: Early Data From A New Approach To Program Oversight
*David Klassen, MD
United Network for Organ Sharing
Richmond, VA, USA*

Coffee Break with Exhibits

4:00 pm – 4:30 pm

Hall D1

Concurrent Oral Abstract Sessions

4:30 pm – 6:00 pm

Antibody Mediated Rejection in Kidney Transplant Recipients: Pathophysiology and Epidemiology

Room E354A

Chairs: Stanley Jordan, M.D., Cedars Sinai, Los Angeles, CA, United States and Carrie Schinstock, Mayo Clinic, Rochester, MN, United States

4:30 pm Lower Incidence of DSA-Induced Chronic Antibody-Mediated Rejection in Abo-Incompatible Renal Transplantation (Abstract #296)
*Manabu Okada, Yoshihiko Watarai, Kenta Iwasaki, Kenta Futamura, Takahisa Hiramitsu, Makoto Tsujita, Norihiko Goto, Shunji Narumi, Takaaki Kobayashi.
Nagoya, Japan; Nagakute, Japan.*

4:42 pm Meta-Analysis of Clinical Significance of Complement Activating Anti-HLA DSA in Kidney Transplantation (Abstract #297)
A. Bouquegneau, C. Ulloa, O. Aubert, C. Loheac, D. Viglietti, J. P. Empana, P. Jabre, X. Jouven, C. Lefaucheur, A. Loupy. Paris, France; Liège, Belgium.

4:54 pm Glomerular CD45 Immunostaining in Post Perfusion Graft Biopsies Predicting Rejection (Abstract #298)
*Anand Yuvaraj, Abheesh Prasad, Kishore Gopalakrishnan, Nithya Krishnan.
Coventry, United Kingdom.*

5:06 pm The Molecular Phenotypes of Rejection in Kidney Transplant Biopsies (Abstract #299)
Philip Halloran, J. Reeve, INTERCOMEX Study Group. Edmonton, AB, Canada.

5:18 pm The Natural History of Kidney Rejection: How Do Molecular Disease States Change Over Time in Patients with Repeat Indication Biopsies? (Abstract #300)
J. Reeve, Philip Halloran. Edmonton, AB, Canada.

5:30 pm Endocapillary NK Cells Are Increased in Indication Renal Transplant Biopsies with Antibody and T Cell Mediated Rejection (Abstract #301)
Ali Shammout, Jenna Barnes, Evan A. Farkash. Ann Arbor, MI.

5:42 pm Immunodominant Donor Specific Antibody Reduction with Proteasome Inhibitor Based Treatment: Clinical Variability and Implications for Long Term Graft Survival (Abstract #302)
Alicia Lichvar, Abbie Leino, Simon Tremblay, Adele Shields, Bassam Abu Jawdeh, Becky Hardy, Manish Anand, Madison Cuffy, Michael Cardi, Rita Alloway, E. Steve Woodle. Cincinnati.

B Cells and Antibody in Rejection

Room E350

Chairs: Lakshman Gunaratnam, MD, Schulich School of Medicine and Dentistry, Western University, London, ON, Canada and Emmanuel Zorn, Columbia University Medical Center, New York, United States

4:30 pm Comprehensive Functional Assessment of the Pathogenic Potential of Immunodominant Donor Specific Antibody Following Treatment of Late Antibody Mediated Rejection or Mixed Acute Rejection (Abstract #303)
A. Lichvar, E. Portwood, P. Brailey, S. Tremblay, A. Shields, B. Abu Jawdeh, J. Kremer, F. Paterno, R. Alloway, A. Girnita, E. S. Woodle. Cincinnati.

4:42 pm Strategy for Analysis of Donor-Specific Antibody Repertoire: Paired Immunoglobulin Heavy and Light Chain Analysis of Individual Memory B Cells (Abstract #304)
Marc Lucia, Alejandro Gomez, Sergi Luque, Oriol Bestard, William H. Robinson, Olivia M. Martinez. Stanford; Barcelona, Catalonia, Spain.

4:54 pm Generation of Natural Antibodies Post Transplant and Association with Kidney Allograft Loss (Abstract #305)
Sarah B. See, Alexandre Loupy, Olivier Aubert, Yokarla Veras, Xavier Lebreton, Baoshan Gao, Christophe Legendre, Dany Anglicheau, Emmanuel Zorn. New York, NY; Paris, France; Changchun, China.

5:06 pm B Cell Deficiency Inhibits Both Antibody Mediated Rejection and T Cell Mediated Acute Rejection in a Rat Kidney Transplant Model (Abstract #306)
Sarah Panzer, Shannon Reese, Nancy Wilson Schlei, Bret Verhoven, Ding Xiang, Weixiong Zhong, Arjang Djamali. Madison, WI.

5:18 pm Donor-Specific B Cell Responses: Predicting the Future of Kidney Transplants (Abstract #307)
Marilia Cascalho, Evan A. Farkash, Lefferts R. Adam, Milagros Samaniego, Jeffrey L. Platt. Ann Arbor.

5:30 pm Antibodies Specific for HLA Class I and Lung Associated Self-Antigens, Ka1Tubulin and Collagen V, Induces Exosomes Following In Vitro Binding to Human Airway Epithelial Cells (Abstract #308)
M. Gunasekaran, M. Sharma, S. Bansal, S. Biswas Roy, R. Walia, M. Smith, R. Bremner, T. Mohanakumar. Phoenix.

5:42 pm TIM-4 Identifies Pro-Inflammatory B Effector Cells That Are Potent Drivers of Alloimmunity and Allograft Rejection Through Expression of Both IFN- γ and IL-17 (Abstract #309)
Qing Ding, Kanish Mohib, David Rothstein. Pittsburgh.

Basic Chronic Rejection

Room E351

Chairs: Wink Baldwin, MD, PhD, Cleveland Clinic, Cleveland, Ohio, United States and Roslyn Mannon, MD, UAB, Birmingham, AL, United States

4:30 pm Macrophage Specific Deletion of RhoA Inhibits Fractalkine Signaling and Abrogates Chronic Rejection of Cardiac Allograft (Abstract #310)
Malgorzata Kloc, Yianzhu Liu, Wenhao Chen, Xian C. Li, Rafik Ghobrial. Houston.

4:42 pm Sulfatide-Selective NKT Cells Mediate M2 to M1 Polarization Resulting in Amelioration of Kidney Fibrosis (Abstract #311)
Sunhwa Lee, Mi-Yeon Yu, Yong Chul Kim, Seung Hee Yang, Seung Seok Han, Hajeong Lee, Jung Pyo Lee, Dong Ki Kim, Yon Su Kim. Seoul, Republic of Korea.

4:54 pm HLA-DR Based Murine Transplant Model for Studying Collagen Type V Autoimmunity in Chronic Allograft Rejection (Abstract #312)
Vrushali V. Agashe, Ying Zhou, Ewa Jankowska-Gan, William J. Burlingham. Madison, WI.

- 5:06 pm Podocyte-Specific Knockdown of SHROOM3 Causes Albuminuria and Foot-Process Effacement by Interaction with FYN (Abstract #313)**
Madhav C. Menon, Nimrod Philippe, Chengguo Wei, Weijia Zhang, John C. He, Barbara Murphy. New York, NY.
- 5:18 pm Podocyte Participates in the ST2 Related Renal Fibrosis (Abstract #314)**
Yong Chul Kim, Seung Hee Yang, Ran Hui Cha, Mi-Yeon Yu, Sunhwa Lee, Hajeong Lee, Jung Pyo Lee, Dong Ki Kim, Suhnggwon Kim, Yon Su Kim. Seoul, Republic of Korea.
- 5:30 pm Gene Expression During Development of Chronic Antibody-Mediated Rejection in Renal Allografts from Non-Human Primates: Validation of Markers Used in Humans and Sequential Changes in Protocol Biopsies (Abstract #315)**
B. Adam, R. N. Smith, M. Matsunami, I. A. Rosales, B. Afzali, T. Oura, A. B. Cosimi, T. Kawai, R. B. Colvin, M. Mengel. Edmonton, Canada; Boston.
- 5:42 pm The Degree of NK Cell Activation Determines the Ability of Donor-Specific Antibodies to Mediate Acute vs. Chronic Rejection of Kidney Allografts (Abstract #316)**
Takafumi Yagisawa, Toshiaki Tanaka, Nina Dvorina, Anna Valujskikh, William M. Baldwin 3rd, Robert L. Fairchild. Cleveland, OH; Tokyo, Japan.
- 4:54 pm Impact of Bariatric Surgery on Risk of Organ Rejection Among Solid Organ Transplant Recipients (Abstract #319)**
Max Soghikian, Dyanna Gregory, Jane E. Wilcox, Aneesha Shetty, Daniela P. Ladner, Lisa B. VanWagner. Chicago, IL.
- 5:06 pm Training for Transplant: Frailty Assessment and Optimization in Kidney Transplant Candidates (Abstract #320)**
Mary Mrdutt, Debra Doherty, Susan Tanner, Jacqueline Lappin. Temple, TX.
- 5:18 pm Cumulative Deficits Frailty Index for Transplant Candidates Predicts Candidacy for Solid Organ Transplantation (Abstract #321)**
Rhea A. Varughese, Olga Theou, Xiaojin Huang, Olusegun Famure, Yanhong Li, Noori Chowdhury, Eberhard Renner, Joseph Kim, Jane MacIver, Sunita Mathur, Kenneth Rockwood, Lianne G. Singer. Toronto, ON, Canada; Halifax, NS, Canada.
- 5:30 pm A Cost Comparison for Telehealth Utilization in the Kidney Transplant Waitlist Evaluation Process at a VA Center (Abstract #322)**
Rachel C. Forbes, Diane Rybacki, Tommy Johnson, David Shaffer, Douglas Hale. Nashville.
- 5:42 pm Provision of Highly Specialized Aftercare by the Transplant Center Strongly Improves Patient and Allograft Survival in Long-Term Follow-Up After Kidney Transplantation (Abstract #323)**
Thomas Schachtner, Petra Reinke. Berlin, Germany.
- Disparities in Organ Transplantation**
- Room E353C**
Chairs: Robert Gaston, MD, UAB, Birmingham, AL, United States and Daniela Ladner, Northwestern University, Chicago, IL, United States
- 4:30 pm One-Year Graft and Patient Survival of Deceased Donor Kidney Transplants Under KAS (Abstract #317)**
Amber R. Wilk, Darren E. Stewart, Mark I. Aeder, Anna Y. Kucheryavaya, David K. Klassen. Richmond, VA; Cleveland, OH.
- 4:42 pm EPTS Is a Poor Predictor of Post-KT Mortality for Older Recipients (Abstract #318)**
Mara McAdams DeMarco, Xun Luo, Allan Massie, Dorry Segev. Baltimore, MD.

Donors with Acute Kidney Injury

Room E450A

Chairs: Vanessa Humphreville, MD FACS, University Hospitals Cleveland Medical Center, Cleveland, OH, United States and Lena Sibulesky, MD, University of Washington, Seattle, Seattle, WA, United States

4:30 pm A Humanized Anti-CD47 Monoclonal Antibody Therapy Alleviates Ischemia-Reperfusion Injury of Porcine Renal Allografts Donated After Cardiac Death (Abstract #324)

M. Xu, B. Banan, X. C. Wang, D. L. Chirumbole, B. J. Rabe, S. Garcia-Aroz, D. K. Nayak, Z. Y. Zhang, J. L. Jia, G. A. Upadhy, J. P. Gaut, P. T. Manning, Y. Lin, William C. Chapman. St. Louis.

4:42 pm CD47 Blockade Reduces Ischemia/Reperfusion Injury in Donation After Cardiac Death Rat Kidney Transplantation (Abstract #325)

Xuanchuan Wang, Min Xu, Jianluo Jia, Zhengyan Zhang, Joseph P. Gaut, Gundumi A. Upadhy, Pamela T. Manning, Yiing Lin, William C. Chapman. Saint Louis.

4:54 pm Donor Warm Ischemic Time >80min Is an Important Predictor of Kidney Graft Survival from Donors After Cardiac Death (Abstract #326)

Jingwen Chen, David Mikhail, Hemant Sharma, Ahmed Hijazi, Derek Nap, Larry Stitt, Jeffrey Jevnikar, Matthew Cooper, Patrick Luke, Alp Sener. London, Canada; Toronto, Canada; Washington.

5:06 pm Five-Year Outcomes After Transplantation of Kidneys from Deceased Donors with Acute Kidney Injury (Abstract #327)

Jessica Latona, Ashesh Shah, Adam Frank, Warren Maley, Cataldo Doria, Carlo Ramirez. Philadelphia, PA; Wynnewood, PA.

5:18 pm Outcomes with Kidney Transplant from Deceased Donors with Acute Kidney Injury and Prolonged Cold Ischemia Time: UNOS Analysis (Abstract #328)

Geoffrey K. Dube, Sumit Mohan, Mariana Chiles. New York, NY.

5:30 pm Single Kidney Transplantation from DCD Maastricht Category 3 Donors ≥ 60 Years: Is It Safe? (Abstract #329)

Evaldo Favi, Carmelo Puliatti, Mariano Ferrarresso, Samuele Iesari, Roberto Cacciola. Milan, Italy; London, United Kingdom; L'Aquila, Italy.

5:42 pm Assessment and Transplantation of Declined Human Kidneys Using Ex-Vivo Normothermic Kidney Perfusion (Abstract #330)

Sarah A. Hosgood, Mazin O. Hamed, Avi Sawpaul, Rodrigo Figueiredo, Kourosh Saeb-Parsy, Colin Wilson, Michael L. Nicholson. Cambridge, United Kingdom; Newcastle, United Kingdom.

Health Services and Policy in Organ Transplantation

Room E271A

Chairs: Eric Tichy, PharmD, Yale New Haven Hospital, New Haven, CT, United States and Edward Zavala, MBA, Vanderbilt University, Nashville, TN, United States

4:30 pm The Cumulative United States Experience with Transplants (Tx) from Living Donors (LDs): 140,156 LD Tx in 28 Years (Abstract #331)

Rainer W. G. Gruessner, Mark R. Laftavi, Vaughn Whittaker, Oleh Pankwycz, Zeki Acun, Angelika C. Gruessner. Syracuse, NY.

4:42 pm Intensive Care Unit Enhanced Recovery Pathway for Liver Transplant Recipients: A Prospective, Observational Study (Abstract #332)

Clark Kensinger, Adam King, Seth Karp, Pratik Pandharipande, Kelly Wright, Liza Weavind. Nashville.

4:54 pm Comparing the Role of Post-Transplant Readmissions and Bed Days on Total One Year Cost of Care (Abstract #333)

Wade M. Bannister, Mark A. Schnitzler, Jiang Tao, Anthony F. Bonagura, Bart Laihinen, Frank D. Irwin, Cecelia M. Horstman. Eden Prairie, MN; St. Louis, MO.

5:06 pm Effects of New KPD Histocompatibility Policy on Refusal Rate and Transplants (Abstract #334)

R. Leishman, M. Aeder, M. S. Leffell, C. Murphey, N. Reinsmoen, S. Saidman, T. Sandholm, A. Toll, A. Harper, N. Turgeon. Richmond, VA; Cleveland, OH; Baltimore, MD; San Antonio, TX; Los Angeles, CA; Boston, MA; Pittsburgh, PA; Atlanta, GA.

5:18 pm A Kidney Paired Donation Standard Acquisition Charge (Abstract #335)

Michael A. Rees, Laurie J. Reece, Susan E. Rees, Betty Crandall, Alan B. Leichtman. Toledo; Perrysburg; Winston Salem; Ann Arbor.

5:30 pm How Much Is a Kidney Worth? Comparing Kidney Transplant Strategies in Liver Transplant Candidates (Abstract #336)

Xingxing S. Cheng, W. Ray Kim, Jane C. Tan, Jeremy Goldhaber-Fiebert. ; Palo Alto.

5:42 pm HOPE Act – The First Year (Abstract #337)

Amber R. Wilk, Sarah Taranto, Read Urban, David K. Klassen. Richmond, VA.

Infectious Pot-Pourri

Room E265

Chairs: John Baddley, MD, MSPH, Univ of Alabama at Birmingham, Birmingham, AL, United States and Joanna Schaeenman, MD, PhD, David Geffen School of Medicine at UCLA, Los Angeles, CA, United States

4:30 pm Adoptive Immunotherapy with Liver Allograft-Derived Lymphocytes Compensate for the Susceptibility to Post-Liver Transplant Blood Stream Infection Associated with FCGR3A SNP (Abstract #338)

Hideki Ohdan, Masahiro Ohira, Seiichi Shimizu, Yuka Tanaka, Hiroyuki Tahara, Kentaro Ide, Kohei Ishiyama, Tsuyoshi Kobayashi. Hiroshima, Japan.

4:42 pm Gut Microbiota-Urinary Tract Infection Axis in Kidney Transplant Recipients (Abstract #339)

John Lee, Matthew Mcgruder, Lisa Zhang, Darshana Dadhania, Muthukumar Thangamani, Lilan Ling, Ying Taur, Eric Pamer, Manikkam Suthanthiran. New York, NY.

4:54 pm Fosfomycin Tromeltamol (FOS) Is an Effective Alternative in Post Renal Transplant Urinary Tract Infection Prophylaxis Caused by Escherichia coli and Enterococcus faecalis without Increasing Resistance Rate (Abstract #340)

Jose Manuel Arreola-Guerra, Josefina Alberu, Luis Eduardo Morales-Buenrostro, Ernesto Maravilla, Rodrigo Rosado, Jose Sifuentes. Aguascalientes, Mexico; Mexico, Mexico.

5:06 pm Importance of Acquisition of Carbapenemase (KPC)-Producing Enterobacteriaceae in Solid Organ Transplant Recipients: A Single-Center Experience (Abstract #341)

Sang Hoon Han, Kyoung Hwa Lee, Kyung-A. Lee, Hyo Chae Paik, Jin Gu Lee, Myoung Soo Kim, Dong Jin Joo, Jin Sub Choi, Soon Il Kim, Yu Seun Kim. Seoul, Republic of Korea.

5:18 pm High Mortality in Transplant Recipients Associated with Coccidioidomycosis Derived from Organ Donors (Abstract #342)

Nikeshan Jeyakumar, Nikole Neidlinger, Michael Salvatore, Christopher Brown, Tamara Carpenter, Monica Fung, Peter Chin-Hong. San Francisco, CA; Miami, FL; San Ramon, CA; Oakland, CA.

5:30 pm The Clinical and Economic Burden of Pneumonia in Canadian Solid Organ Transplant Recipients (Abstract #343)

Nancy Law, Bassem Hamandi, Ali Alghamdi, E. A. Papadimitropoulos, Shahid Husain. Toronto, ON, Canada.

5:42 pm Effect of Academic Detailing with Prescribers as an Antimicrobial Stewardship Intervention in Solid Organ Transplant Patients (Abstract #344)

M. So, A. Morris, C. Bell, A. Humar, S. Husain. Toronto, ON, Canada.

Kidney Clinical Complications 2

Room E354B

Chairs: Mona Doshi, MD, Wayne State University, Detroit, MI, United States and Nicolae Leca, MD, University of Washington, Seattle, WA, United States

- 4:30 pm Performance-Based vs. Self-Reported Functional Assessment on Outcomes After Kidney Transplant (Abstract #345)**
Kim N. Tibaldi, Navdeep Dhillon, Ryan Goldberg, Homero Paniagua, Anup M. Patel. Livingston, NJ.
- 4:42 pm Patient and Kidney Allograft Survival in Recipients with End Stage Renal Disease from Amyloidosis (Abstract #346)**
Mary Ann Lim, Deirdre Sawinski, Jordana Cohen, Brendan Weiss, Jonathan Hogan, Laura Dember. Philadelphia, PA.
- 4:54 pm Neutropenia in Kidney Transplantation: A Hidden Threat to Graft Survival (Abstract #347)**
Ana Vergottini, Abdullah Karabala, Peter Abrams, Jennifer Verbesey, Seyed Ghasemian, Jack Moore, Monica Grafals, Basit Javaid, Matthew Cooper, Alexander Gilbert. Washington, DC.
- 5:06 pm Quantitative Analysis of 10-Year Surveillance Renal Allograft Biopsies (Abstract #348)**
Aleksandar Denic, Byron H. Smith, Walter D. Park, Andrew D. Rule, Lynn D. Cornell, Mark D. Stegall. Rochester.
- 5:18 pm VO_{2peak} : A Significant Marker of All-Cause Mortality Among Patients with End-Stage Renal Disease Being Evaluated for Kidney Transplant (Abstract #349)**
Harini Chakkera, M'hamed Temkit, Bruce Kaplan, Glenn Gaesser, Raymond Heilman, Hasan Khamash, Kunam Reddy, Eric Steidley, Amit Mathur, Sumi Nair, Girish Mour, Janna Huskey, Adyr Moss, Andrew Singer, Winston Hewitt, Ibrahim Qaqish, Senaida Behmen, Siddhartha Angadi. Phoenix; Tempe.

- 5:30 pm DNA Methylation Dynamics from Ischemia/Reperfusion Injury to Long-Term Allograft Function (Abstract #350)**
Vineela Bontha, Daniel Maluf, Mikhail Dozmorov, Debalina Bagchi, Kellie Archer, Valeria Mas. Charlottesville; Richmond; Columbus.

- 5:42 pm Simple Kidney Transplant Graft Survival (KTGS) Calculator Predicts 5- and 10-Year Allograft Survival (Abstract #351)**
Puneet Sood, Wida Cherikh, Rajil Mehta, Amit Tevar, Sundaram Hariharan. Pittsburgh; Richmond.

Kidney: Cardiovascular and Metabolic

Room E451B

Chairs: Michelle Josephson, University of Chicago, Chicago, IL, United States and Kimi Ueda, PharmD, FAST, California Pacific Medical Center, San Francisco, CA, United States

- 4:30 pm Impact of Type of Recipient Diabetes on 1 and 3-Year Kidney Allograft and Patient Outcomes (Abstract #352)**
Sehee Kim, Fan Wu, Diane M. Cibrik, Yi Li, Abhijit S. Naik. Ann Arbor.
- 4:42 pm Beyond the Bones – The Association Between Vitamin D, Graft Outcomes, Malignancy and Vascular Disease (Abstract #353)**
Adrienne Seitz, Aravind Cherukuri, Richard Baker. Leeds, West Yorkshire, United Kingdom; Pittsburgh, PA.
- 4:54 pm Kidney Transplant Recipient Intermediate and Long Term Outcomes for Living Donor Gifted Lithiasis (Abstract #354)**
Simit Doshi, Muhammad S. Yaqub, Tim Taber, Muhammad Mujtaba, Dennis Mishler, Oluwafisayo Adebisi, Chandru Sundaram, John Powelson, Asif Sharfuddin. Indianapolis.
- 5:06 pm Evolution of Lipid Profile and Major Adverse Cardiac Events in Kidney Transplant Recipients Converted from Calcineurin Inhibitor to Everolimus: 24-Month Subanalysis from Elevate Study (Abstract #355)**
M. van der Giet, J. W. de Fijter, F. Oppenheimer, G. Russ, P. M. Lopez, G. Bader, J. M. Cruzado, H. Holdaas. Berlin, Germany; Basel, Switzerland.

5:18 pm The Associations Between Body Mass Index and Kidney Transplant Outcomes Are Mediated by Weight-Adjusted Immunosuppression Dosing (Abstract #356)
Katerina Flabouris, Steven J. Chadban, Maleeka Ladhani, Matthew Cervelli, Philip A. Clayton. Adelaide, Australia; Sydney, Australia.

5:30 pm The Relationship Between Frailty and Decreased Physical Performance with Death on the Kidney Transplant Waiting List (Abstract #357)
Elizabeth C. Lorenz, Fernando G. Cosio, Shari L. Bernard, Steven D. Bogard, Brian R. Bjerke, Elizabeth N. Geissler, Steven W. Hanna, Walter K. Kremers, Mark D. Stegall, Andrea L. Chevillie, Nathan K. LeBrasseur. Rochester.

5:42 pm Outcomes of Infrainguinal Revascularization in Renal Transplant Patients (Abstract #358)
Rebecca Craig-Schapiro, Besma Nejjim, Mahmoud B. Malas. Baltimore, MD.

Kidney: Pediatric Adherence and Allocation

Room E353AB

Chairs: Jens Goebel, MD, Children's Hospital Colorado, Aurora, CO, United States and Beau Kelly, MD MBA FACS, DCI Donor Services, West Sacramento, California, United States

4:30 pm The TAKE-IT Intervention Improves Medication Adherence in Adolescent Kidney Transplant Recipients (Abstract #359)
Bethany Foster, Ahna Pai, Susan Furth, TAKE-IT Investigators. Montreal, Canada; Cincinnati; Philadelphia.

4:42 pm In Clinic Systems to Address Adherence Barriers Decrease Late Allograft Rejection for Kidney Transplant Patients (Abstract #360)
David K. Hooper, Charles Varnell, Jr., Kristin Rich, Devesh Dahale, John Huber, Ahna Pai, Avani Modi. Cincinnati, OH.

4:54 pm A Dedicated Young Adult Service with a Youth Worker Increases Engagement of Teenagers and Young Adults with Kidney Transplantation and Impacts Favourably on Clinical Outcomes (Abstract #361)
Daley P. Cross, Paul N. Harden. Oxford, United Kingdom.

5:06 pm Stable Deceased Donor Transplantation Rates Among Pediatric Candidates Post-KAS Implementation (Abstract #362)
Brittany A. Shelton, Christopher Ray, Deirdre Sawinski, Rhiannon D. Reed, Paul A. MacLennan, Jayme E. Locke. Birmingham; Philadelphia.

5:18 pm P-LKDPI: A Donor Risk Index for Pediatric Recipients of Living Donor Kidney Transplantation (Abstract #363)
Allan Massie, Niraj Desai, Alicia Neu, Dorry Segev. Baltimore.

5:30 pm KDPI and Small (<20 kg) Pediatric Kidney Donors (Abstract #364)
Jodi M. Smith, Sally K. Gustafson, Andrew Wey, Jon J. Snyder, Ajay Israni. Seattle; Minneapolis.

5:42 pm Belatacept After Kidney Transplantation in Adolescents (Abstract #365)
Christian Lerch, Nele K. Kanzeleyer, Thurid Ahlenstiel-Grunow, Kerstin Froede, Martin Kreuzer, Jens Drube, Lars Pape. Hannover, Germany.

Liver Living Donors and Partial Grafts

Room E451A

Chairs: Julie Heimbach, Mayo Clinic, Rochester, MN, United States and Michael Zimmerman, MD, Medical College of Wisconsin, Milwaukee, WI, United States

4:30 pm Technical Refinement to Prevent Hepatic Outflow Disturbance in Right Lobe Living Donor Liver Transplantation: Simplified One-Orifice Venoplasty (Abstract #366)
Joo Dong Kim, Dong Lak Choi. Daegu, Republic of Korea.

4:42 pm Live Donor Liver Transplantation Using Grafts with More Than Two Bile Ducts – Does It Affect Patient Outcome? (Abstract #367)
Dagmar Kollmann, Gonzalo Sapisochin, Nazia Selzner, Mark S. Cattral, Paul D. Greig, Les Lilly, Ian D. McGilvray, Anand Ganekar, David R. Grant, Markus Selzner, Nicolas Goldaracena. Toronto, ON, Canada.

4:54 pm Largest US Series of Minimally Invasive Full and Laparoscopy-Assisted Living Donor Hepatectomy (Abstract #368)

K. L. Collins, J. Emond, A. N. Fox, B. Samstein. New York, NY.

5:06 pm Forty-Six Consecutive Cases of Pure Live Donor Right or Extended Right Hepatectomy: Single Surgeon Initial 1-Year Experience (Abstract #369)

Suk Kyun Hong, Kyung-Suk Suh, Hyo-Sin Kim, Sung-Woo Ahn, Kyung Chul Yoon, Dong Kyu Oh, Hyeyoung Kim, Nam-Joon Yi, Kwang-Woong Lee. Seoul, Republic of Korea.

5:18 pm ABO-Incompatibility Using Rituximab Does Not Increase Hepatocellular Carcinoma Recurrence After Liver Transplantation (Abstract #370)

Jong Man Kim, Seung Hyun Kim, Jong Hwan Lee, Kyung-Sik Kim, Jisoo Lee, Gyu-Seung Choi, Jae Berm Park, Choon Hyuck D. Kwon, Jae-Won Joh, Suk-Koo Lee. Seoul, Korea.

5:30 pm Evaluation of the Enhanced Recovery After Surgery Protocol in Living Liver Donors (Abstract #371)

Ahmed Abdelrazek Khalil, Swaytha Ganesh, Christopher Hughes, Amit Tevar, John J. Hatcher, S. Esper, Abhinav Humar. Pittsburgh, PA; Cairo, Egypt.

5:42 pm A Donor BMI Greater Than 30 Is Not a Contraindication for Live Liver Donation (Abstract #372)

Nicolas Goldaracena, Adam Doyle, David Al-Adra, Gonzalo Sapisochin, Mark Cattral, Paul Greig, Leslie Lilly, Ian McGilvray, Anand Ghanekar, David Grant, Nazia Selzner, Markus Selzner. Toronto, Canada.

Logistic and Programatic Challenges in Kidney Living Donation

Room E450B

Chairs: Naim Issa, M.D., Mayo Clinic, Rochester, MN, United States and Jennifer Verbesey, MD, MedStar Georgetown Transplant Institute, Washington DC, District Of Columbia, United States

4:30 pm State Population Health and Center-Level Variation in Rate of Living Kidney Donation (Abstract #373)

Rhiannon D. Reed, Brittany A. Shelton, Paul A. MacLennan, Michael Hanaway, Vineeta Kumar, Robert Gaston, Jayme E. Locke. Birmingham.

4:42 pm Is Reluctance to Accept Younger Kidney Donors Justified? (Abstract #374)

Hassan Ibrahim, D. Berglund, S. Jackson, A. J. Matas. Mpls.

4:54 pm Socioeconomic Status and Perceived Donation-Related Financial Burden Among Living Kidney Donors (Abstract #375)

Jessica Ruck, Allan Massie, Macey Henderson, Dorry Segev. Baltimore.

5:06 pm Time to Kidney Transplantation Following Live Donor Candidate Referral (Abstract #376)

Komal Kumar, James M. Tonascia, Abimereki Muzaale, Anna Poon, Tanjala Purnell, Jacqueline Garonzik-Wang, Elizabeth King, Mary Grace Bowring, Allan Massie, Dorry Segev. Baltimore, MD.

5:18 pm Living Kidney Donor Pharmaceutical Care Needs Identified Through Linked Transplant Registry and Pharmacy Claims Data (Abstract #377)

Krista Lentine, Sally Gustafson, Mark Schnitzler, Gregory Hess, Dorry Segev, Amit Garg, Ngan Lam, David Axelrod, Daniel Brennan, Henry Randall, Bertram Kasiske. St Louis, MO; Minneapolis, MN; Philadelphia, PA; Baltimore, MD; London, Canada; Edmonton, AB, Canada; Greenville, NC; St. Louis, MO.

5:30 pm Living Kidney Donors: Battling High Attrition Rates During Evaluation Process (Abstract #378)

Jennifer Verbese, Adam Bacigalupo, Alexander Gilbert, Alex Li, Christine Zuttermeister, Monica Grafals, Jack Moore, Basit Javaid, Peter Abrams, Seyed Ghasemian, Matthew Cooper. Washington DC.

5:42 pm Financial Burden and Time to Returning to Work Among Living Kidney Donors (Abstract #379)

D. Larson, D. Berglund, D. M. Vock, A. Roman, J. Wiseman, H. N. Ibrahim, Arthur Matas. Mpls.

Regulatory Cells in Alloimmunity

Room E352

Chairs: Jamil Azzi, MD, Harvard Medical School, Brigham and Women's Hospital, Boston, MA, United States and Jonathan Maltzman, Stanford University, Palo Alto, CA, United States

4:30 pm CCR7⁺CD8⁺ T Cell Suppresses Effector T Cell Related Allo-Immune Responses in Kidney Transplant Recipients (Abstract #380)

Byung Ha Chung, Kyoung Woon Kim, Bo-Mi Kim, Kyoung Chan Doh, Chul Woo Yang. Seoul, Korea.

4:42 pm A Regulatory T Cell (Treg)-Intrinsic Role for p27kip1 in Acquired Transplant Tolerance (Abstract #381)

Peter Morawski, Liqing Wang, Xue Yang, Yanqun Chen, Wayne Hancock, Andrew Wells. Philadelphia, PA.

4:54 pm Novel Cell Intrinsic Role of the Adaptor Protein TSAd in Maintaining Alloimmune T Regulatory Cell Function (Abstract #382)

J. Wedel, M. P. Stack, T. Seto, M. M. Sheehan, K. Liu, E. Flynn, D. M. Briscoe. Boston.

5:06 pm Maximizing the Potential of Treg-Based Therapies for Transplant Rejection via Computational Immune-Modeling: Effect of Dose, Timing and Distribution (Abstract #383)

Giorgio Raimondi, Anirud Arun, Olga Dorabiala, Julia Arciero. Baltimore; Philadelphia; Indianapolis.

5:18 pm Utility of IL-2 Complexes in Promoting Vascularized Composite Allograft Survival (Abstract #384)

Heng Xu, Satinder Dahiya, Liqing Wang, Tatiana Akimova, Wayne W. Hancock, Scott L. Levin. Shanghai, China; Philadelphia.

5:30 pm The Phenotypic and Functional Characteristics of a Novel CD11b⁺CD11c⁺F4/80⁺ Monocytic Myeloid-Derived Suppressor Cell Subset (Abstract #385)

B. Jiang, I. Aljabban, C. Yang, D. Ndishabandi, R. White, P. S. Russell, J. C. Madsen, R. B. Colvin, A. Alessandrini. Boston; Changsha, China.

5:42 pm Early Evolution and Immunopathologic Phenotype of Treg-Rich Organized Lymphoid Structures (TOLS) Associated with Immunological Tolerance in Accepted Mouse Kidney Allografts (Abstract #386)

C. Yang, I. Rosales, E. Farkash, D. Ndishabandi, R. White, P. S. Russell, J. C. Madsen, A. Alessandrini, R. B. Colvin. Boston, MA; Ann Arbor, MI.

Poster Session C

6:00 pm – 7:00 pm

Hall D1

Poster Viewing: 9:30 am – 7:00 pm

Presenters in Attendance: 6:00 pm – 7:00 pm

Poster Session C can be found on pages 155-177.

AST Town Hall Meeting & Reception

5:45 pm – 7:00 pm

Cafe

AMERICAN TRANSPLANT CONGRESS

Day-at-a-Glance, Tuesday, May 2, 2017

7:00 am – 8:15 am Sunrise Symposia

Page 76 **Expanding the Liver Donor Pool:
The Art of Allocation**
Room E354A

Page 76 **Clinical Xenotransplantation –
Perpetual Myth or Potential
Reality?**
Room E451B

Page 76 **Fine-tuning Immunosuppression
in Liver Transplantation**
Room E353AB

Page 76 **Antifungal Testing, Prevention
and Treatment Stewardship in
SOT**
Room E450B

Page 77 **Special Deliveries: Pregnancy
and Transplantation**
Room E353C

Page 77 **Social Media and Organ
Donation – The Next Frontier**
Room E451A

Page 77 **Metabolic Control of Immune
Responses: Why Does it Matter?**
Room E350

Page 77 **Transplant Team Leadership:
Leading a Multidisciplinary
Transplant Team**
Room E354B

Page 78 **Opioids and Opioid Substitution:
Therapy in Transplant
Candidates**
Room E351

Page 78 **Dendritic Cells in Solid Organ
Transplant**
Room E450A

8:30 am – 9:15 am Plenary

Page 78 **Joint Plenary Session III**
Arie Crown Theater

9:15 am – 9:30 am AST Awards

Page 78 Arie Crown Theater

9:30 am – 10:00 am AST Presidential Address

Page 78 Arie Crown Theater

10:00 am – 10:30 am **Coffee Break with Exhibits**
Hall D1

10:30 am – 11:15 am Controversies in Transplantation

Page 79 **Innate Allorecognition: Does it
Exist or Even Matter?**
Room E354A

Page 79 **Using the Hepatitis C Infected
Donor Organ in the Era of Direct
Acting Antivirals: Access for All
or Only for Some?**
Arie Crown Theater

11:30 am – 1:00 pm Midday Symposia

Page 79 **Donors Should Not Have to Pay
to Donate – Towards Financial
Neutrality for Living Donors**
Room E450B

Page 79 **Transplant Therapeutics
Consortium Update**
Room E451B

Page 80 **Alternatives to Liver
Redistricting to Improve Fairness
in Liver Allocation**
Room E450A

Page 80 **Beta-cell Replacement –
Choices, Choices, Choices**
Room E353C

Page 80 **Infected Donors: Expanding
the Donor Pool & the Risk of
Avoiding All Risk**
Room xx

Tuesday, May 2

Page 80 **Risky Business – BK Infection: Diagnosis, Treatment, & Immunosuppression Reduction**
Arie Crown Theater

Page 81 **Parenthood after Transplantation**
Room E351

Page 81 **Bench to Bedside – Mechanisms and Approaches to Reduce Organ Injury**
Room E353AB

Page 81 **Cellular Alchemy – Engineering Functional Cell Types and Whole Organs from Progenitors**
Room E350

Page 81 **Together Everyone Achieves More: The Multidisciplinary Approach to Generating Revenue, Increasing Transplant Referrals, Improving Outcomes and Performing Research**
Room E451A

Page 82 **Regulatory T Cells – New Concepts and Mechanisms**
Room E354B

Page 86 **Kidney Issues in Liver Transplantation**
Room E451B

Page 86 **Kidney Optimizing Donor/Recipient Selection and Matching**
Room E450A

Page 87 **Liver Waitlist Outcome and Risk Stratification**
Room E271A

Page 88 **New Pathways in Allograft Rejection**
Room E352

Page 88 **Optimizing Donor Utilization: All Organs**
Room E353AB

Page 89 **Small Bowel: All Topics**
Room E271B

Page 90 **Surgical Issues (Minimally Invasive/Open): All Organs**
Room E451A

Page 90 **Xenotransplant**
Room E351

1:00 pm – 2:15 pm Luncheon Workshops

Page 82 **Ticketed Events**

2:30 pm – 4:00 pm Concurrent Oral Abstract Sessions

Page 82 **Basic Transplant Tolerance II**
Room E350

Page 83 **Diagnosis of Antibody Mediated Rejection in Kidney Transplant Recipients**
Room E354A

Page 84 **Evaluation Decisions: Living Kidney Donors**
Room E450B

Page 84 **Islet (Auto and Allo) and Pancreas Transplantation**
Room E353C

Page 85 **Kidney Immunosuppression: Induction Therapy**
Room E354B

2:30 pm – 6:00 pm Allied Health Symposium 3

Page 91 *Room E258*

2:30 pm – 6:00 pm Pediatric Symposium 2

Page 92 *Room E265*

4:00 pm – 4:30 pm **Coffee Break with Exhibits**
Hall D1

4:30 pm – 6:00 pm Concurrent Oral Abstract Sessions

Page 92 **B Cells: Regulation and Tolerance**
Room E350

Page 93 **DCD and Infectious Risk Kidney Donors**
Room E450B

Page 94 **Disparities in Kidney Transplantation**
Room E451A

- Page 94 **Economics and Outcomes in
Organ Transplantation**
Room E271A
- Page 95 **Islet Transplant**
Room E352
- Page 95 **Kidney General Outcomes**
Room E354A
- Page 96 **Liver: Immunosuppression and
Rejection**
Room E451B
- Page 97 **Long Term Kidney Grant
Survival II**
Room E450A
- Page 97 **Novel Immunosuppression
Regimens – Belatacept**
Room E354B
- Page 98 **Pathways in Ischemia
Reperfusion**
Room E351
- Page 99 **PTLD**
Room E271B
- Page 99 **Late Breaking**
Room E353C

5:45 pm – 7:00 pm ASTS Business Meeting

Page 100 *Cafe*

6:00 pm – 7:00 pm Poster Session D
Presenters in Attendance
Hall D1

7:30 pm – 10:30 pm ATC Night Out

Page 100 *Offsite – River Roast*

AMERICAN TRANSPLANT CONGRESS

Program, Tuesday, May 2, 2017

Sunrise Symposia

7:00 am – 8:15 am

Expanding the Liver Donor Pool: The Art of Allocation

Room E354A

Moderators: A. Benedict Cosimi, MD, MGH, Massachusetts General Hospital, Boston, MA, USA and TBD

- 7:00 am **What Is Really an Extended Criteria Donor? Are All Extended Criteria Grafts Created Equal?**
Peter Abt, MD
University of Pennsylvania
Philadelphia, PA, USA
- 7:20 am **The Challenges Involved in Allocating Extended Criteria Donors**
Adel Bozorgzadeh, MD
University of Massachusetts
Worcester, MA, USA
- 7:40 am **Planning a Strategy for Optimal Use of Extended Criteria Donors Based on the Last 15 Years of Experience**
Joseph Tector, MD
University of Alabama
Birmingham, AL, USA
- 8:00 am **Discussion**

Clinical Xenotransplantation – Perpetual Myth or Potential Reality?

Room E451B

Moderators: Andrew Adams, MD, PhD, Emory University School of Medicine, Atlanta, GA, USA and James Allan, MD, MBA, Massachusetts General Hospital, Boston, MA

- 7:00 am **Immunologic Barriers to Clinical Xenotransplantation**
Megan Sykes, MD
Columbia University
New York, NY, USA
- 7:20 am **Infectious Barriers – Do They Really Exist?**
Jay Fishman, MD
Massachusetts General Hospital – Harvard Med.
Boston, MA, USA

- 7:40 am **Regulatory Barriers – Are There Solutions?**

Richard Pierson III, MD
University of Maryland
Baltimore, MD, USA

- 8:00 am **Discussion**

Fine-tuning Immunosuppression in Liver Transplantation

Room E353AB

Moderators: Helen S. Te, MD, Univ of Chicago, Chicago, IL, USA and Thomas Schiano, MD, FACS, Icahn School of Medicine, Mt. Sinai, New York, NY, USA

- 7:00 am **Rejection in 2017: “Big” or “Little” Deal in Liver Recipients**
Josh Levitsky, MD, MS
Northwestern
Chicago, IL, USA
- 7:25 am **Complete Immunosuppression Withdrawal in Children and Adults – How Close Are We?**
Sandy Feng, MD, PhD
UCSF
San Francisco, CA, USA
- 7:50 am **Personalized Immunosuppression – Is it Ready for Prime Time and if Not, When?**
Abraham Shaked, MD, PhD
Univ of Pennsylvania
Philadelphia, PA, USA

Antifungal Testing, Prevention and Treatment Stewardship in SOT

Room E450B

Moderators: Aruna Subramanian, MD, Stanford University, Stanford, CA, USA and Rachel Miller, MD, Duke University, Durham, NC, USA

- 7:00 am **Fungal Diagnostics: One Case at a Time**
John Baddley, MD, MSPH
University of Alabama at Birmingham
Birmingham, AL, USA
- 7:25 am **Prophylaxis, Pre-emption and Treatment: Best Way to Get That “Fun-Guy”**
Shahid Husain, MD, MS
University of Toronto
Toronto, ON, Canada

7:50 am **Hot Updates: Emerging, Re-emerging (PJP) and Endemic Fungi**
TBD

Special Deliveries: Pregnancy and Transplantation

Room E353C

Moderators: Christina Klein, MD, Piedmont Transplant Institute, Atlanta, GA, USA and Anita Patel, MD, Henry Ford Hospital, Detroit, MI, USA

7:00 am **Issues of Childbearing: Fertility, Infertility and Assisted Reproduction in Transplant Recipients**

Michael Moritz, MD
Gift of Life Institute
Philadelphia, PA, USA

7:25 am **Pregnancy and Delivery Management**

Veronica Gomez-Lobo, MD
Washington Hospital Center
Washington D.C., USA

7:50 am **The Second and Third Generation: Children and Grandchildren of Transplant Recipients**

Lisa Coscia, RN
Gift of Life Institute
Philadelphia, PA

Social Media and Organ Donation – The Next Frontier

Room E451A

Moderators: Talia B Baker, MD, University of Chicago Medicine, Chicago, IL, USA and Sander Florman, MD, Mount Sinai Hospital/ Recant Miller Transplantation Institute, New York, NY, USA

7:00 am **Financial Implications of An Anonymous, Non-Directed Living Donor Registry – Kickstarting Kidney Paired Donation Chains to Maximize the Impact of Individual Donations**

Michael Rees, MD, PhD
University of Toledo
Toledo, OH, USA

7:25 am **Ethical Implications Organ Donation Entering the Social Media “Space”**

William Sanchez, MD
Mayo Clinic
Rochester, MN, USA

7:50 am **Social Media and Organ Donation – Optimizing Impact**

David Scott, MD
Oregon Health & Science University
Portland, OR, USA

Metabolic Control of Immune Responses: Why Does It Matter?

Room E350

Moderators: Wayne Hancock, MD, PhD, Children’s Hospital of Philadelphia, Philadelphia, PA, USA and Laurence Turka, MD, Massachusetts General Hospital, Boston, MA, USA

7:00 am **Overview of T Cell Metabolism**

Greg Delgoffe, PhD
University of Pittsburgh
Pittsburgh, PA, USA

7:25 am **Oxidative Phosphorylation and T Cell Responses**

Laurence Turka, MD
Massachusetts General Hospital
Boston, MA, USA

7:50 am **Modulation of Glycolytic Pathways to Modulate T Cell Responses**

Ulf Beier, MD
Children’s Hospital of Philadelphia /
University of Pennsylvania
Philadelphia, PA, USA

Transplant Team Leadership: Leading a Multidisciplinary Transplant Team

Room E354B

Moderators: Anne Murphy, MBA, FACHE, University of Michigan, Ann Arbor, MI, USA and Angelina Korsun, RN, MSN, MPA, University of Iowa, Iowa City, IA, USA

7:00 am **The Transplant Administrator and Physician Director Partnership in Leading the Transplant Team**

John Fung, MD, PhD
University Of Chicago Medicine
Chicago, IL, USA

7:25 am **Leading Your Team Through Change**

Rangaraj Ramanujam, PhD
Vanderbilt
Nashville, TN, USA

7:50 am **“Keep Off of my Land!” Preventing and Resolving Boundary Conflicts in Transplant Multidisciplinary Teams**

Gwen McNatt, RN, PhD, CNN, FNP-BC
Northwestern Memorial Hospital
Chicago, IL, USA

Tuesday, May 2

Opioids and Opioid Substitution Therapy in Transplant Candidates

Room E351

Moderators: Jennifer Lai, MD, MBA, University of California San Francisco, San Francisco, CA, USA and Ulas Camsari, MD, Mayo Clinic, Rochester, MN, USA

- 7:00 am Pharmacology of Opioids: Drug Interactions and Screening Methods**
James Fleming, PharmD
MUSC
Charleston, SC, USA
- 7:25 am Opioid Substitution Therapy Use in Transplant Candidates: Transplant Psychiatrist/Addiction Specialist**
Robert Weinrieb, MD
University of Pennsylvania
Philadelphia, PA, USA
- 7:50 am Integrated Care and Pain Management for Transplant Candidates**
TBD

Dendritic Cells in Solid Organ Transplant

Room E450A

Moderators: Anthony Jevnikar, MD, London Health Sciences Ctr, London, ON, Canada and William Kitchens, MD, PhD, Emory Transplant Center, Atlanta, GA, USA

- 7:00 am Dendritic Cells and Allograft Rejection: Experimental Perspective**
Martin Oberbarnscheidt, MD, PhD
University of Pittsburgh
Pittsburgh, PA, USA
- 7:25 am Translational Approaches to Dendritic Cell Therapy**
Angus Thompson, PhD
Univ of Pittsburgh
Pittsburgh, PA, USA
- 7:50 am Tolerogenic DCs in Kidney Transplantation**
Edward Geissler, PhD
University of Regensburg
Resenburg, Germany

Joint Plenary Session III

8:30 am – 9:15 am

Arie Crown Theater

Chairs: James S. Allan, MD, MBA, Massachusetts General Hospital, Boston, MA, USA and Ronald G. Gill, PhD, University of Colorado Denver, Denver, CO, USA

- 8:30 am Community Health, Center Proximity and Liver Transplant Waitlist Mortality (Abstract #387)**
Raymond J. Lynch, Katie Ross, David S. Goldberg, Rachel E. Patzer. Atlanta, GA; Philadelphia, PA.
- 8:45 am Vital Role of the CoREST Complex as a Master Regulator of Foxp3+ T-Regulatory Cell Gene Expression and Suppressive Function (Abstract #388)**
Liqing Wang, Arabinda Samanta, Matthew H. Levine, Ulf Beier, Rongxiang Han, Jay Kalin, Edward Holson, Philip A. Cole, Wayne W. Hancock. Philadelphia, PA; Baltimore, MD; Cambridge, MA.
- 9:00 am A Multidimensional Prognostic Score and Nomogram to Predict Kidney Transplant Survival: The Integrative Box (iBox) System (Abstract #389)**
A. Loupy, O. Aubert, B. Orandi, A. Jackson, M. Naesens, N. Kamar, O. Thauinat, E. Morelon, M. Delahousse, D. Viglietti, D. Glotz, C. Legendre, X. Jouven, R. A. Montgomery, M. Stegall, D. L. Segev, C. Lefaucheur. Paris, France; Baltimore; Leuven, Belgium; Rochester.

AST Awards

9:15 am – 9:30 am

Arie Crown Theater

AST Presidential Address

9:30 am – 10:00 am

Arie Crown Theater

Coffee Break with Exhibits

10:00 am – 10:30 am

Hall D1

Controversies in Transplantation

10:30 am – 11:15 am

Innate Allorecognition: Does it Exist or Even Matter?

Room E354A

Moderators: Robert Fairchild, PhD, Cleveland Clinic, Cleveland, OH, USA and Mandy Ford, PhD, Emory University, Atlanta, GA, USA

10:30 am PRO: Innate Allorecognition

Fadi Lakkis, MD
Univ Pittsburgh
Pittsburgh, PA, USA

10:40 am CON: Innate Allorecognition

Anita Chong, PhD
The University of Chicago
Chicago, IL, USA

10:50 am PRO: Rebuttals

Fadi Lakkis, MD
Univ Pittsburgh
Pittsburgh, PA, USA

10:55 am CON: Rebuttals

Anita Chong, PhD
The University of Chicago
Chicago, IL, USA

11:00 am Discussion

Using the Hepatitis C Infected Donor Organ in the Era of Direct Acting Antivirals: Access for All or Only for Some?

Arie Crown Theater

Moderators: Elizabeth C. Verna, MD, MS, Columbia University, New York, NY, USA and Norah Terrault, MD, MPH, UCSF, San Francisco, CA, USA

10:30 am PRO: We Should Be Using HCV+ Organs in All Recipients

Peter Reese, MD
University of Pennsylvania
Philadelphia, PA, USA

10:40 am CON: HCV+ Organs Should Only Be Used in Recipients with Active HCV

Kimberly Brown, MD
Henry Ford Hospital
Detroit, MI, USA

10:50 am PRO: Rebuttals

Peter Reese, MD
University of Pennsylvania
Philadelphia, PA, USA

10:55 am CON: Rebuttals

Kimberly Brown, MD
Henry Ford Hospital
Detroit, MI, USA

11:00 am Discussion

Midday Symposia

11:30 am – 1:00 pm

Donors Should Not Have to Pay to Donate – Towards Financial Neutrality for Living Donors

Room E450B

Moderators: Gabriel Danovitch, MD, UCLA, Los Angeles, CA, USA and Arthur Matas, MD, University of Minnesota, Minneapolis, MN, USA

11:30 am The Very Real Costs of Living Kidney Donation

Rebecca Hays, MSW, APSW
University of Wisconsin Hospital and Clinics
Madison, WI, USA

12:00 pm More than Just Semantics – Where is the Line Between Disincentive and Incentives

Scott Klarenbach, MD, MSc
University of Alberta
Edmonton, AB, Canada

12:30 pm Financial Neutrality – Is it Ethical? Is it Legal?

I. Glen Cohen
Harvard University
Cambridge, MA, USA

Transplant Therapeutics Consortium Update

Room E451B

Moderators: Kenneth Newell, MD, PhD, Emory University School of Medicine, Atlanta, GA, USA and Mark Stegall, MD, Mayo Clinic, Rochester, MN, USA

11:30 am Where are the New Therapeutic Agents and How Can We Get More?

Roslyn Mannon, MD
University of Alabama, Birmingham
Birmingham, AL, USA

12:00 pm How Does Industry Make a Go/No Go Decision about Novel Therapies in Transplantation?

Ulf Meier-Kriesche, MD
Bristol-Myers Squibb
Lawrenceville, NJ, USA

12:30 pm Barriers to Off-Label Use and Repurposing Drugs For Use in Transplantation

Christin Rogers, PharmD
Beth Israel Deaconess Medical Center
Boston, MA, USA

Tuesday, May 2

Alternatives to Liver Redistricting to Improve Fairness in Liver Allocation

Room E450A

Moderators: Julie Heimbach, MD, Mayo Rochester, Rochester, MN, USA and Michael Charlton, MD, University of Chicago, Chicago, IL, USA

- 11:30 am Alternative Models for Liver Allocation Using Nearest Neighbor Algorithms**
Sanjay Mehrotra, SM
Northwestern
Evanston, IL, USA
- 12:00 pm Burden of Liver Disease as a Measure of Disparity in Liver Allocation**
David Goldberg, MD
University of Pennsylvania
Philadelphia, PA, USA
- 12:30 pm Determining the True Potential of Organ Donation in a Community as a Way to Decrease Disparity in Liver Allocation**
Richard Hasz, MFS, CPTC
Gift of Life Donor Program
Philadelphia, PA, USA

Beta-cell Replacement – Choices, Choices, Choices

Room E353C

Moderators: Matthew Cooper, MD, Medstar Georgetown Transplant Institute, Washington DC, USA and Bernhard Hering, MD, Univ. of Minnesota, Minneapolis, MN, USA

- 11:30 am Insulin Pump v. Transplantation**
Celeste Thomas, MD, MS
University of Chicago
Chicago, IL, USA
- 12:00 pm Solid Organ v. Islet Cell**
Xunrong Luo, MD, PhD
Northwestern
Chicago, IL, USA
- 12:30 pm Type 1 v. Type 2**
Robert Stratta, MD
Wake Forest Baptist Health
Winston-Salem, NC, USA

Infected Donors: Expanding the Donor Pool & the Risk of Avoiding All Risk

Room xx

Moderators: Michael Ison, MD, MS, Northwestern University Feinberg School of Medicine, Chicago, IL, USA and Cameron Wolfe, MD, Duke University Medical Center, Durham, NC, USA

- 11:30 am PHS Increased Donors: Can We Do More?**
Nicole Theodoropolous, MD, MS
University of Massachusetts Memorial Medical Center
Worcester, MA, USA
- 12:00 pm DTAC Perspectives on Expanding the Donor Pool**
Cameron Wolfe, MD
Duke University Medical Center
Durham, NC, USA
- 12:30 pm Hepatitis C D+R-: The New Frontier?**
Peter Reese, MD
University of Pennsylvania
Philadelphia, PA, USA

Risky Business – BK Infection: Diagnosis, Treatment, & Immunosuppression Reduction

Arie Crown Theater

Moderators: David Wojciechowski, DO, Massachusetts General Hospital, Boston, MA, USA and Hans Hirsch, MD, MSc, University of Basel / Department Biomedicine, Basel, Switzerland

- 11:30 am Is it BK or Rejection – Can Your Friendly Neighborhood Pathologist Help? Noninvasive and Traditional Pathology Approaches**
Parmjeet Randhawa, MD
University of Pittsburgh Medical Center
Pittsburgh, PA, USA
- 12:00 pm Walking a Fine Line – Optimal and Novel Treatments of BK Nephropathy: A Case Discussion**
Joanna Schaenman, MD, PhD
David Geffen School of Medicine at UCLA
Los Angeles, CA, USA
- 12:30 pm Trouble on the Horizon? How to Monitor for Rejection in the Setting of BK Infection**
Emilio Poggio, MD
Cleveland Clinic
Cleveland, OH, USA

Parenthood after Transplantation

Room E351

Moderators: Maha Mohamed, MD, University of Wisconsin, Madison, WI, USA and Michelle Josephson, MD, University of Chicago, Chicago, IL, USA

- 11:30 am Contraception: What is the Best Option for Transplant Recipients?**
Martha Pavlakis, MD
Beth Israel Deaconess Med Ctr
Boston, MA, USA
- 12:00 pm Contemplating Conception: Preconception Guidelines for Transplant Recipients**
Kate Bramham, PhD
King's College London
London, United Kingdom
- 12:30 pm Pregnancies Fathered by Transplant Recipients: Immunosuppression and Outcomes**
Serban Constantinescu, MD, PhD
Temple University
Philadelphia, PA, USA

Bench to Bedside – Mechanisms and Approaches to Reduce Organ Injury

Room E353AB

Moderators: Dianne McKay, University of California San Diego, La Jolla, CA, USA and Matthew Levine, MD, PhD, University of Pennsylvania, Philadelphia, PA, USA

- 11:30 am Basic – Regulated Cell Death in Transplantation**
Anthony Jevnikar, MD
London Health Sciences Ctr
London, ON, Canada
- 12:00 pm Translational – Approaches to Prevent Ischemia-Reperfusion Injury**
Peter Friend
University of Oxford
Oxford, United Kingdom
- 12:30 pm Clinical – Clinically Applicable Strategies to Attenuate Ischemia-Reperfusion Injury**
Markus Selzner, MD
Toronto General Hospital
Toronto, ON, Canada

Cellular Alchemy – Engineering Functional Cell Types and Whole Organs from Progenitors

Room E350

Moderators: Jason Wertheim MD, PhD, Northwestern University, Chicago, IL, USA and Harald Ott, MD, MGH, Harvard Medical School, Boston, MA, USA

- 11:30 am Recellularizing Liver Scaffolds from ES and iPS Cells**
Alejandro Soto-Gutierrez, MD, PhD
University of Pittsburgh
Pittsburgh, PA, USA
- 12:00 pm Rebuilding a Kidney**
Leif Oxburgh, DVM, PhD
Tufts University School of Medicine
Scarborough, ME, USA
- 12:30 pm Developing Pancreatic Tissue from ES and iPS Cells**
TBD

Together Everyone Achieves More: The Multidisciplinary Approach To Generating Revenue, Increasing Transplant Referrals, Improving Outcomes and Performing Research

Room E451A

Moderators: A. Osama Gaber, MD, Houston Methodist Hospital System, Houston, TX, USA and Christina Doligalski, PharmD, Tampa General Hospital, Tampa, FL, USA

- 11:30 am Financial Impact of Transplant Specialty Pharmacy**
Lonnie Smith, PharmD
University of Utah Hospitals and Clinics
Salt Lake City, UT, USA
- 12:00 pm Leveraging Knowledge, Innovation, Team Work and Technology in Referral Outreach**
TBD
- 12:30 pm There's No "I" in Research**
E. Steve Woodle, MD
Univ of Cincinnati Clg of Med
Cincinnati, OH, USA

Regulatory T Cells – New Concepts and Mechanisms

Room E354A

Moderators: Ana Maria Waaaga-Gasse, PhD, University of Wuerzbrug, Wuerzburg, Germany and Jonathan Maltzman, MD, PhD, Stanford University, Palo Alto, CA, USA

11:30 am The Promise of Low-Dose IL-2 Therapy

Leonardo Riella, MD, PhD
Brigham and Women's Hospital
Boston, MA, USA

12:00 pm Regulatory T Cell Trafficking

Jonathan Bromberg, MD, PhD
University of Maryland
Baltimore, MD, USA

12:30 pm Regulatory T Cells as Therapy in Clinical Transplantation

James Markmann, MD, PhD
Massachusetts General Hospital
Boston, MA, USA

Luncheon Workshops – Ticketed Events

1:00 pm – 2:15 pm

7. Overcoming Early and Mid-Career Challenges in the Field of Transplantation

Moderators: Nissreen Elfadawy, MD, MS, FASN, Case Western Reserve University, Cleveland, OH, USA and Kassem Safa, MD, Harvard Medical School Massachusetts General Hospital, Boston, MA, USA

8. Quality Improvement and Clinical Research: Making the Pharmacist a Staple

Moderators: Jennifer Luppa Melaragno, PharmD, University of Rochester Medical Center, Strong Memorial Hospital, Rochester, NY, USA, Caitlin Mardis, PharmD, BCPS, Medical University of South Carolina, Charleston, SC, USA and Tiffany Kaiser, PharmD, University of Cincinnati, Cincinnati, OH, USA

Concurrent Oral Abstract Sessions

2:30 pm – 4:00 pm

Basic Transplant Tolerance II

Room E350

Chairs: Indira Guleria, Ph.D., Brigham and Women's Hospital and Harvard Medical School, Boston, Massachusetts, United States and Xunrong Luo, Northwestern University, Chicago, United States

2:30 pm Mesenchymal Stem Cells Suppress T Cell Proliferation and Improve Allograft Survival in a Nonhuman Primate Transplant Model (Abstract #390)

Steven Kim, David Mathews, Laura Higginbotham, Cynthia Breeden, Christian Larsen, Andrew Adams. Atlanta, GA.

2:42 pm Maintenance of the Phenotype and Abundance of Islet-Resident Macrophages Promotes Islet Graft Survival and Appears to Prevent Type 1 Diabetes (Abstract #391)

Periklis Kyriazis, Thomas Thornley, Krishna Agarwal, Lingzi Ma, Terry Strom, Maria Koulmanda. Boston, MA.

2:54 pm Anti-CD40 mAb Promotes Kidney Immunoregulatory Capacity in NHP Transplants by Altering Kidney Tubular Cell (TEC) Expression of CD40 and IL-6 (Abstract #392)

Jacqueline Arp, YueXia Ma, Hongji Yang, Alex El Warrak, Aaron Haig, Winnie Liu, Keith Reimann, Patrick Luke, Zhuxu Zhang, David Rothstein, Anthony M. Jevnikar. London, ON, Canada; Chengdu, Sichuan, China; Boston, MA; Pittsburgh, PA.

3:06 pm Prominence of Graft-Infiltrating PD-L1^{hi} Cross-Dressed Dendritic Cells in Mouse Liver Transplant Tolerance (Abstract #393)

Yoshihiro Ono, Angelica Perez Gutierrez, Shinichiro Yokota, Osamu Yoshida, Toshimasa Nakao, Geoffrey Camirand, David A. Geller, Angus W. Thomson. Pittsburgh, PA.

3:18 pm **Combination α CD28+ α CD40 Costimulation Blockade Attenuates Acute and Chronic Rejection in Non-Human Primates (Abstract #394)**
Natalie A. O'Neill, Tianshu Zhang, Wenji Sun, Gheorghe Braileanu, Xiangfei Cheng, Ivan Tatarov, Wessam Hassanein, Agnes M. Azimzadeh, Richard N. Pierson. Baltimore, MD.

3:30 pm **Abrogating MyD88 Signaling in Donor Lung Resident Hematopoietic Cells Promotes Cell Based Tolerance Induction in Lung Allografts in Mice (Abstract #395)**
Zhikun Zheng, JiaoJing Wang, Xin Yi Yeap, Lin Li, Lei Zhang, Miao He, Xunrong Luo, Zheng Zhang. Chicago, IL.

3:42 pm **Dual Costimulatory Blockades Failed to Achieve Transplant Tolerance Despite Induction of Mixed Chimerism in NHPs (Abstract #396)**
Tetsu Oura, Kiyohiko Hotta, Ivy Rosales, Abbas Dehnadi, Ji Lei, James James Markmann, Masatoshi Matsunami, Joshua Paster, Isabel Hanekamp, Kurt Pruner, Kento Kawai, Dorothy Ndishabandi, Rex-Neal Smith, Benedict A. Cosimi, Tatsuo Kawai. Boston, MA.

Diagnosis of Antibody Mediated Rejection in Kidney Transplant Recipients

Room E354A

Chairs: Stephan Busque, MD MSc, Stanford University, Palo Alto, CA, United States and Carl Cardella, MD, University of Toronto, Toronto, Ontario, Canada

2:30 pm **Donor-Derived Cell-Free DNA Correlates with Antibody-Mediated Rejection in Kidney Allografts (Abstract #397)**
Roy Bloom, Jonathan Bromberg, Emilio Poggio, David Hiller, Robert Woodward, John Sninsky, James Yee, Daniel Brennan. Philadelphia, PA; Baltimore, MD; Cleveland, OH; Brisbane, CA; St. Louis, MO.

2:42 pm **A Molecular Approach to Chronic Rejection: Antibody or T-Cell Mediated? (Abstract #398)**
L. Kamal, P. O Broin, M. Lubetzky, Y. Bao, E. Akalin. NY.

2:54 pm **Similar Elevation of Gene Expression Associated with Antibody-Mediated Rejection (ABMR) of Renal Allografts Can Be Detected in Both Plasma Exosomes (pExo) and Biopsies (Bx) by Assessing mRNA Transcript Profiles (Abstract #399)**
Hao Zhang, Cynthia C. Nast, Janice Doldron, Mandy Cheung, James Mirocha, Joseph Kahwaji, Ashley A. Vo, Stanley C. Jordan, Mieko Toyoda. Los Angeles.

3:06 pm **Specific Gene Expression Signature of Complement-Activating Donor Specific Anti-HLA Antibody-Mediated Rejection in Kidney Allografts (Abstract #400)**
C. Lefaucheur, D. Viglietti, L. Hidalgo, O. Aubert, A. Zeevi, P. Halloran, A. Loupy. Paris, France; Edmonton, Canada; Pittsburgh.

3:18 pm **C5b-9 Deposition in Glomerular Capillaries Is Responsible for Poor Allograft Survival in Antibody-Mediated Rejection (Abstract #401)**
Valentin Goutaudier, H el ene Perrochia, Marie Marron-Wojewodzki, Florian Garo, C eline Ren e, Nelly Pirot, Georges Mourad, Moglie Le Quintrec. Montpellier, France.

3:30 pm **Early and Late Antibody Mediated Rejection and Mixed Acute Rejection Are Clinically Distinct and Demonstrate Biologic Differences in Immunodominant Donor Specific Antibody Characteristics (Abstract #402)**
A. Lichvar, E. Portwood, P. Brailey, S. Tremblay, A. Shields, A. Govil, M. Cardi, M. Cuffy, R. Alloway, A. Girnita, E. S. Woodle. Cincinnati.

3:42 pm **Pre-Transplant HLA-Specific B Cell Breadth of Reactivity in a Novel Multiplex Bead-Based Assay Predicts Rejection in Kidney Transplant Recipients (Abstract #403)**
Zubair Ilyas, Ahmed Aki, Anat Tambur, Peter Heeger, M. Javeed Ansari. Chicago; New York.

Evaluation Decisions: Living Kidney Donors

Room E450B

Chairs: Suphamai Bunnapradist, David Geffen Sch of Med @ UCLA, Los Angeles, CA, United States and Matthew Levine, MD PhD, University of Pennsylvania, Philadelphia, PA, United States

2:30 pm **Inferior Graft and Patient Survival After Living Donor Renal Transplantation of Negatively Selected Right Kidneys (Abstract #404)**

Shigeyoshi Yamanaga, Andrew M. Posselt, Chris E. Freise, Claus Niemann, Angel Rosario, Danny Fernandez, Takaaki Kobayashi, Aaron J. Ahearn, Mehdi Tavakol, Sang-Mo Kang. San Francisco, CA; Kumamoto, Japan; Nagakute, Aichi, Japan; Worcester, MA.

2:42 pm **Outcomes of Hand Assisted Laparoscopic Right Donor Nephrectomy, Single Center Experience (Abstract #405)**

Ashraf El-Hinnawi, Amer Rajab, Ronald P. Pelletier. Columbus, OH.

2:54 pm **Bariatric Surgery Prior to Living Kidney Donation: A Solution to Expand the Donor Pool (Abstract #406)**

Minh-Tri J. P. Nguyen, Dusty Carpenter, Abhishek Mathur, Jennifer Van Bever, Rodrigo P. Sandoval, Lloyd E. Ratner. New York, NY.

3:06 pm **Left-Sided Donor Nephrectomy Predisposes Living Kidney Donors to Latent Adrenal Insufficiency with Symptoms of Fatigue and Inferior Quality of Life (Abstract #407)**

Thomas Schachtner, Petra Reinke. Berlin, Germany.

3:18 pm **Outcome of Living Donor Transplantation in Pediatric Recipients Over the Last Three Decades by Era: An Analysis of UNOS Database (Abstract #408)**

Vaughn E. Whittaker, Mark Laftavi, Zeki Acun, Rainer W. Gruessner, Angelika Gruessner. Syracuse, NY.

3:30 pm **Temporal Trends and Variation in BMI Thresholds for Living Donation Across the US (Abstract #409)**

A. S. Naik, D. M. Cibrik, A. Sakhuja, K. Lentine. Ann Arbor; Rochester; St Louis.

3:42 pm **Evolution of Health Related Quality of Life (HRQOL) in Kidney Donors (Abstract #410)**

Hassan Ibrahim, D. Berglund, S. Jackson, A. J. Matas. Mpls.

Islet (Auto and Allo) and Pancreas Transplantation

Room E353C

Chairs: Srinath Chinnakotla, MD, University of Minesota Medical School, Minneapolis, MN, United States and Ty Dunn, MD MS, University of Minnesota, Minneapolis, MN, United States

2:30 pm **Assessment of Islet Damage During Isolation Utilizing miRNAs and Its Significance with Post-Transplant Outcome in TPIAT (Abstract #411)**

Prathab Balaji Saravanan, Mazhar A. Kanak, Gumpei Yoshimatsu, Michael C. Lawrence, Bashoo Naziruddin. Dallas, TX; Richmond, VA.

2:42 pm **10 Years or More of Follow Up After Total Pancreatectomy and Intra Portal Islet Auto Transplantation (TP/IAT) for Treatment of Chronic Pancreatitis, Is It a Durable Operation? (Abstract #412)**

Srinath Chinnakotla, Ty Dunn, Gregory Beilman, Melena Bellin, Timothy Pruett, Varvara Kirchner, Josh Wilhelm, Martin Freeman, David Sutherland. Minneapolis.

2:54 pm **Simplified Classification of Pancreas Transplant Insufficiency (Abstract #413)**

Andreas Kahl, Carl Hinrichs. Berlin, Germany.

3:06 pm **Pregnancy After Kidney-Pancreas Transplantation: Maternal and Offspring Outcomes (Abstract #414)**

Swati Rao, Lisa A. Coscia, Dawn P. Armenti, Serban Constantinescu, Michael J. Moritz. Philadelphia, PA; Allentown, PA; Tampa.

3:18 pm **Belatacept in Chronic Kidney Disease Stabilizes and Improves Renal Function in Pancreas Transplant Recipients: Intermediate Results (Abstract #415)**

Jeanne Chen, Muhammad A. Mujtaba, Tim Taber, Muhammad S. Yaqub, John Powelson, Oluwafisayo Adebiyi, Jonathan Fridell, Asif Sharfuddin. Indianapolis.

3:30 pm Assessment of Simple Indices Based on a Single Fasting Blood Sample in Search for an Optimal Tool to Estimate Beta Cell Function After Islet Transplantation (Abstract #416)
Justyna Golebiewska, Julia Solomina, Evelyn Konsur, Kamil Cieply, Lindsay Basto, Alexander Kotukhov, Karolina Golab, Celeste Thomas, Alicja Debska-Slizien, Piotr Witkowski. Gdansk, Poland; Chicago.

3:42 pm Type 1 Diabetic Patients Have Better Endothelial Function After Simultaneous Pancreas-Kidney Transplantation Than After Kidney Transplantation with Continued Insulin Therapy (Abstract #417)
Aureliusz Kolonko, Adrian P. Kowalik, Jacek Ziaja, Dorota Kaminska, Aleksander J. Owczarek, Agata Kujawa-Szewieczek, Mariusz A. Kuształ, Joanna Badura, Dominika Bozek-Pajak, Agnieszka Zakrzewska, Piotr Choreza, Robert Krol, Stefan Chlopicki, Marian Klinger, Andrzej Wiecek, Jerzy Chudek, Lech Cierpka. Katowice, Poland; Wroclaw, Poland; Sosnowiec, Poland; Krakow, Poland.

Kidney Immunosuppression: Induction Therapy

Room E354B

Chairs: Nicole Pilch, PharmD, MSCR, Medical University of South Carolina, Charleston, South Carolina, United States and Rick Stevens, MD PhD FACS FAST, University of Florida, Pensacola, Florida, United States

2:30 pm Benefits of Induction in Recipients of Acute Renal Failure Donor Kidneys (Abstract #418)
Meredith Barrett, Abigail R. Smith, Kenneth J. Woodside, Randall S. Sung. Ann Arbor.

2:42 pm Outcomes with Steroid Avoidance Regimen After Kidney Transplantation without Induction Immunosuppression (Abstract #419)
Ankit Sakhuja, Abhijit Naik, Diane Cibrik, Hatem Amer. Rochester, MN; Ann Arbor, MI.

2:54 pm Reassessing Thymoglobulin Induction in Kidney Transplantation (RETHINK): An Analysis of the North American Pediatric Renal Trials and Collaborative Studies (NAPRTCS) Registry (Abstract #420)
Isa Ashoor, Karen Martz, Robbie Beyl, Vikas Dharnidharka. New Orleans, LA; Rockville, MD; Baton Rouge, LA; St. Louis, MO.

3:06 pm Induction Therapy in Low Risk Elderly Kidney Transplant Recipients: Donor Factors (Abstract #421)
Fawaz Al Ammary, Mara McAdams DeMarco, Qiong Huang, Elizabeth King, Sunjae Bay, Abimereki Muzaale, Alexander Wiseman, Dorry Segev. Baltimore; Denver.

3:18 pm IVIg+Rituximab Desensitization (DES) Combined with Alemtuzumab (ATZ) Induction Does Not Increase Risk for Viral Infections (VIs) and Associated Complications in HLA-Sensitized (HS) Kidney Transplant Patients (KTx Pts) (Abstract #422)
Shili Ge, Bong-Ha Shin, James Mirocha, David Thomas, Maggie Chu, Edgar Rodriguez, Christine Chao, Anna Petrosyan, Odette A. Galera, Ashley Vo, Jua Choi, Alice Peng, Joseph Kahwaji, Stanley C. Jordan, Mieko Toyoda. Los Angeles, CA.

3:30 pm Five Year Outcomes with Alemtuzumab Induction Therapy in Elderly Renal Transplant Recipients (Abstract #423)
Marissa Casagrande, Katie Cunningham, Christine Tseng, Carly D'Agostino, Lana Wong, Chad Richardson. Chicago, IL.

3:42 pm Impact of Alemtuzumab Induction on Hepatitis C Treatment Outcomes Post-Renal Transplantation (Abstract #424)
Srijana D. Jonchhe, Jennifer Husson, Jillian P. Casale, Ruth Adekunle, Poonam Mathur, Janet Gripshover, Bharath Ravichandran. Baltimore, MD.

Tuesday, May 2

Kidney Issues in Liver Transplantation

Room E451B

Chairs: Sumeet Asrani, MD MSc, Baylor University Medical Center, Dallas, TX, United States and Goran Klintmalm, MD PhD, Baylor University Medical Center, Dallas, TX, United States

2:30 pm **Current Practice and Center-Level Variation in Simultaneous Liver-Kidney Listing (Abstract #425)**

Xun Luo, Allan Massie, Jacqueline Garonzik-Wang, Rashikh Choudhury, Ashton Shaffer, Sheng Zhou, Dorry Segev. Baltimore, MD.

2:42 pm **Delayed Renal Implantation Improves Survival Following Simultaneous Liver-Kidney Transplantation in High Acuity Recipients (Abstract #426)**

K. E. Lunsford, V. G. Agopian, A. Saharia, J. Balough, C. M. Mobley, S. Gordon-Boroughs, H. A. Gritsch, H. Podder, R. J. Knight, G. M. Danovitch, X. C. Li, A. O. Gaber, R. W. Busuttil, R. M. Ghobrial. Houston, TX; Los Angeles, CA.

2:54 pm **Post-Liver Transplant (LT) Early Allograft Dysfunction (EAD) Modulates the Effect of Pre-LT Kidney Function on Post-LT Survival (Abstract #427)**

Hani M. Wadei, Martin Mai, Burcin Taner, Kristopher Croome, Andrew Keaveny, Lorraine Mai, David Lee. Jacksonville, FL.

3:06 pm **Hepatic Ischemia Reperfusion Injury After Liver Transplantation Is Associated with Acute Kidney Injury (Abstract #428)**

Shekhar Kubal, Melissa Anderson, Jonathan Fridell, Burcin Ekser, Tim Taber, Ping Li, Marwan Ghabril, Marco Lacerda, Richard Mangus. Indianapolis, IN.

3:18 pm **Renal Function After Liver Transplantation Alone in Patients Meeting the Proposed UNOS Simultaneous Liver-Kidney (SLK) Criteria (Abstract #429)**

Kayvan Roayaie, Eric D. Langewisch, Jennifer M. Burg, Charles K. Enestvedt, Erin Maynard, David L. Scott. Portland, OR; Omaha, NE.

3:30 pm **Effect of Hypothermic Pulsatile Machine Perfusion on Kidney Delayed Graft Function in Simultaneous Liver-Kidney Transplantation: A Single Center Study (Abstract #430)**

Islam M. Korayem, Hans A. Gritsch, Jeffrey L. Veale, Gerald S. Lipshutz, Vatche G. Agopian, Fady M. Kaldas, Douglas G. Farmer, Ronald W. Busuttil, Ali Zarrinpar. Los Angeles, CA.

3:42 pm **Non-Renal Factors Predicting Combined Liver-Kidney Transplantation for Non-Dialysis- Requiring Wait-Listed End Stage Liver Disease Patients: 14 Years of US Experience (Abstract #431)**

Alfonso H. Santos, Michael J. Casey, Kawther Alquadan, Jon A. Gregg, Karl L. Womer. Gainesville, FL.

Kidney Optimizing Donor/Recipient Selection and Matching

Room E450A

Chairs: Antonia Harford, MD, University of New Mexico, Albuquerque, NM, United States and Lucile Wrenshall, Wright State University, Dayton, OH, United States

2:30 pm **Donor Recipient Matching Based on HLA Epitopes Improves Outcome in Kidney Transplant Recipients (Abstract #432)**

Oliver Staeck, Matthias Niemann, Fabian Halleck, Dmytro Khadzhynov, Constanze Schönemann, Petra Reinke, Eric Spierings, Klemens Budde, Nils Lachmann. Berlin, Germany; Utrecht, Netherlands.

2:42 pm **Improved Outcome of Kidney Transplants by Donor Recipient Matching Based on Predicted Indirectly Recognizable HLA Epitopes (Abstract #433)**

Oliver Staeck, Matthias Niemann, Fabian Halleck, Dmytro Khadzhynov, Constanze Schönemann, Petra Reinke, Eric Spierings, Klemens Budde, Nils Lachmann. Berlin, Germany; Utrecht, Netherlands.

2:54 pm Procurement Kidney Biopsy versus KDRI for Predicting Graft Survival (Abstract #434)

Isaac E. Hall, Chirag R. Parikh, Bernd Schröppel, Francis L. Weng, Yaqi Jia, Heather Thiessen-Philbrook, Peter P. Reese, Mona D. Doshi. Salt Lake City, UT; New Haven, CT; Ulm, Germany; Livingston, NJ; Philadelphia, PA; Detroit, MI.

3:06 pm Absence of Independent and Additional Predictive Ability of Preimplantation Kidney Allograft Biopsies for Long-Term Outcome: Population Based Study (Abstract #435)

O. Aubert, D. Viglietti, C. Loheac, M. Rabant, C. Gosset, J. P. Duong Van Huyen, D. Glotz, C. Legendre, C. Lefaucheur, A. Loupy. Paris, France.

3:18 pm Elevated Donor HbA1C Confers Impaired Overall Survival Following Renal Allograft Transplantation in Recipients of Allografts from Donors with Diabetes Mellitus: A National Analysis (Abstract #436)

Michael S. Mulvihill, Babatunde A. Yerokun, Robert P. Davis, Andrew S. Barbas, Mathew G. Hartwig. Durham, NC.

3:30 pm A Mutation of the Erythropoietin Receptor Correlates with Improved Function of Deceased-Donor Renal Transplants (Abstract #437)

Michael Fischereeder, Sascha Friedrich, Ursula Klingmüller, Teresa Kauke, Thomas Breidenbach, Detlef Boesebeck, Eder Angelika, Clemens Cohen, Bernhard Banas, Markus O. Guba, Manfred Stangl, Bernhard K. Krämer, Christian Hugo, Kai Lopau, Maria Stadler, Tom Mone. Munich, Germany; Heidelberg, Germany; Augsburg, Germany; Regensburg, Germany; Mannheim, Germany; Erlangen, Germany; Würzburg, Germany; Los Angeles.

3:42 pm Transplant Readiness Assessment Clinic: A New Approach to Kidney Waitlist Management in the KAS Era (Abstract #438)

Xingxing S. Cheng, Jennifer Lee, Zeynep Tulu, Jane C. Tan. Palo Alto; Palo Alto, CA.

Liver Waitlist Outcome and Risk Stratification

Room E271A

Chairs: Derek Dubay, MD, MSPH, Medical University of South Carolina, Charleston, SC, United States and Alan Reed, MD MBA, University of Iowa Health Care, Iowa City, Iowa, United States

2:30 pm Factors Associated with Death or Transplant in Low-MELD Patients (Abstract #439)

Ann Harper, Erick Edwards, Julie Heimbach. Richmond, VA; Rochester, MN.

2:42 pm Life Threatening Disparities in Calculated MELD Due to Variation in Laboratory Methods within a UNOS Region (Abstract #440)

Elizabeth Verna, Charles Connelly, Lorna Dove, Jean Emond, Patricia Adem, Nikolina Babic, James Corsetti, James Faix, Joshua Hayden, Mark Lifshitz, Mariana Chiles, Sumit Mohan, Hod Eldad, Alexander Kratz. NY; Rochester.

2:54 pm MELD Exception Score: LSAM Modeling of a Fixed Floor (Abstract #441)

Julie Heimbach, R. Hirose, D. Schladt, J. Pyke, J. Zeglin, S. Leppke, J. Lake, W. Ray Kim. Rochester; San Francisco; Minneapolis; Stanford.

3:06 pm Women Are Delisted for Being Too Sick for Liver Transplant More Frequently Than Men (Abstract #442)

Giuseppe Cullaro, Jennifer C. Lai. San Francisco, CA.

3:18 pm Candidate Sex and Size Disparity in Liver Offer Acceptance (Abstract #443)

Mary Bowring, Allan Massie, Christine Haugen, Jessica Ruck, Dory Segev, Sommer Gentry. Baltimore; Annapolis.

3:30 pm Alcohol-Induced Hepatic Cirrhosis Is Rising Among Young Adults (Abstract #444)

Catherine E. Kling, James D. Perkins, Dennis M. Donovan, Robert L. Carithers, Lena Sibulesky. Seattle, WA.

3:42 pm **The Objective Liver Frailty Index Significantly Improves the Clinician “Eyeball Test” to Predict Mortality in Liver Transplant Candidates (Abstract #445)**
Jennifer C. Lai, Kenneth E. Covinsky, Charles E. McCulloch, Sandy Feng. San Francisco.

New Pathways in Allograft Rejection

Room E352

Chairs: Reza Abdi, Bwh, Boston, Ma, United States and Martina McGrath, Brigham and Women’s Hospital, Boston, United States

2:30 pm **Aquaporin 4 Blockade Alters T Cell Anatomical Distribution and Prolongs Cardiac Allograft Survival in Sensitized Recipients (Abstract #446)**
Michael Nicosia, Ran Fan, George W. Farr, Marc F. Pelletier, Paul R. McGuirk, Katayoun Ayasoufi, Anna Valujskikh. Cleveland.

2:42 pm **Lymphotoxin (LT) β Receptor-Mediated Non-Classical NF κ B Signaling in Lymphatic Endothelial Cells (LEC) is Required for Homeostatic T Cell Migration (Abstract #447)**
W. Piao, C. C. Brinkman, Jonathan Bromberg. Baltimore.

2:54 pm **Gut Microbial Metabolite Improves Function and Prolongs Kidney Allograft Survival in Mice (Abstract #448)**
Huiling Wu, Tony Kwan, Yik W. Loh, Xiaochen Chen, Laurence Macia, Stephen Alexander, Steven Chadban. Sydney, Australia.

3:06 pm **Extracellular Mitochondria Cause B7 Costimulation Blockade Resistant Allograft Rejection in Mice (Abstract #449)**
Todd V. Brennan, Liwen Lin, Mingqing Song, Feifei Feng, Qi-Jing Li, Allan D. Kirk, He Xu. Durham, NC.

3:18 pm **Donor Batf3-Dependent Dendritic Cells Initiate Acute Rejection in a Skin Transplantation Model (Abstract #450)**
Thiago J. Borges, Naoka Murakami, Leonardo Riella. Boston, MA.

3:30 pm **Fc γ R1B-Mediated Coinhibition Attenuates Donor-Reactive CD8+ T Cell Responses (Abstract #451)**
Anna B. Morris, David F. Pinelli, Danya Liu, Mandy L. Ford. Atlanta, GA.

3:42 pm **Lymph Node Stromal Laminins Differentially Regulate T Cell Activation (Abstract #452)**
Thomas Simon, Jonathan S. Bromberg. Baltimore.

Optimizing Donor Utilization: All Organs

Room E353AB

Chairs: David Foley, M.D., University of Wisconsin School of Medicine and Public Health, Madison, WI, United States and Jared White, MD, University of Alabama Birmingham, Birmingham, AL, United States

2:30 pm **Donor Derived Transmission Events in 2015-2016: Analysis of the OPTN Ad Hoc Disease Transmission Advisory Committee (DTAC) (Abstract #453)**
Cameron Wolfe, Marissa Clark, Susan Tlusty, Dan Kaul, Marian Michaels. Richmond.

2:42 pm **Modifiable Deceased Organ Donor Critical Care Parameters Impact Donor Lung Utilization (Abstract #454)**
Aaron Spaugy, Mitchell Sally, Katie Ellis, Tahnee Groat, Madhukar Patel, Darren Malinoski. Portland; Boston.

2:54 pm **Current Status of HIV-to-HIV Transplants in the United States (Abstract #455)**
Christine Durand, Aaron Tobian, Niraj Desai, Andrew Cameron, Nabil N. Dagher, Diane Brown, Samantha Halpern, Serena Bagnasco, Darin Ostrander, Andrew Redd, Shirish Huprikar, Brandy Haydel, Susan Lerner, Sander Florman, Dorry Segev. Baltimore, MD; New York, NY; Bethesda, MD.

3:06 pm **Proteomic Profiles of Deceased Donor Kidney Biopsies Obtained Prior to Transplantation Correlate with Allograft Function at One Year (Abstract #456)**
Maria Kaiser, Leon van Dullemen, Zeeshan Akhtar, Honglei Huang, Benedikt Kessler, Rutger Ploeg. Oxford, United Kingdom.

3:18 pm Using Donors with False Positive HIV Tests – An Unexpected Benefit of the HOPE Act (Abstract #457)
Christine Durand, Samantha Halpern, Gilad Bismut, Brianna Doby, Niraj Desai, Andrew Cameron, Sander Florman, Susan Lerner, Shirish Huprikar, Jayme Locke, Shikha Mehta, Peter Stock, Nikole Neidlinger, Diane Brown, Brandy Haydel, Andrew Redd, Allan Massie, Aaron Tobian, Dorry Segev. Baltimore, MD; New York, NY; Birmingham, AL; San Francisco, CA; San Ramon, CA; Bethesda, MD.

3:30 pm Release of HMGB1 in Serum and Urine of Brain-Death Donors Is Associated with Delayed Graft Function (DGF) of the Kidney (Abstract #458)
Anna A. Zmijewska, Jianguo Chen, Jayme Locke, Jaroslaw W. Zmijewski, Roslyn B. Mannon. Birmingham, AL.

3:42 pm Center Volume Does Not Influence the Risk Associated with Using High DRI Donor Livers (Abstract #459)
Sylvester M. Black, Eliza W. Beal, Khalid Mumtaz, Don Hayes Jr., Ashraf El-Hinnawi, Kenneth Washburn, Dmitry Tumin. Columbus, OH.

Small Bowel: All Topics

Room E271B

Chairs: Jennifer Garcia, MD, University of Miami, Miami, FL, United States and Robert Venick, MD, David Geffen School of Medicine, UCLA, Los Angeles, CA, United States

2:30 pm Myeloid-Derived Suppressor Cells (MDSC) Accumulate in Intestinal Transplant (IT) Recipients (rc) and Suppress Recipient T-Cell (T) Response Against Donor Antigen (Abstract #460)
Shinji Okano, Danielle D. Kish, Karen Keslar, William Baldwin, Robert L. Fairchild, Charles Miller, Kareem Abu-Elmagd, Ajai Khanna, Masato Fujiki, John Fung, Guilherme Costa, Koji Hashimoto. Cleveland, OH.

2:42 pm Renal Outcomes Following Intestinal Transplantation (Abstract #461)
Chethan Puttarajappa, Abhinav Humar, Sundaram Hariharan, Ruy Cruz Jr, Armando Ganoza, Doug Landsittel, Xiaotian Gao, Manoj Bhattarai, Hiroshi Sogawa. Pittsburgh, PA; Valhalla, NY.

2:54 pm Ex Vivo Normothermic Perfusion of Isolated Segmental Porcine Bowel: A Novel Functional Model of the Small Intestine (Abstract #462)
M. Hamed, A. Barlow, S. Khosla, A. Sagar, F. Gribble, M. Murphy, G. Pettigrew, E. Bolton, J. A. Bradley, M. Nicholson, S. Hosgood, K. Saeb-Parsy. Cambridge, Cambridgeshire, United Kingdom.

3:06 pm Graft-versus-Host Disease in Intestine Transplantation (Abstract #463)
Jared W. Clouse, Chandrashekhar A. Kubal, Burcin Ekser, Jonathan A. Fridell, Richard S. Mangus. Indianapolis, IN.

3:18 pm Effect of Preformed Donor-Specific Antibodies in Intestine/Multivisceral Transplantation (Abstract #464)
Mohamed Safwan, Michael D. Rizzari, Kelly M. Collins, Atsushi Yoshida, Sharon Skorupski, Omar Fagoaga, Marwan S. Abouljoud, Shunji Nagai. Detroit, MI.

3:30 pm Intraabdominal Infections (IAI) and Bloodstream Infections in Small Intestinal and Multivisceral Transplants (IMVTX) (Abstract #465)
A. Spence, S. Fogleman, G. Raffaele, C. Matsumoto, P. Kumar, R. Biswas, T. Fishbein, J. Timpone. Washington, DC; Washington.

3:42 pm Evaluation of Cytomegalovirus Prophylaxis Regimens in Intestinal Transplant Recipients: A Single Center Experience (Abstract #466)
Meagan Eley, Megan Keck, Dean Collier, Mary Vacha. Omaha, NE.

Surgical Issues (Minimally Invasive/Open): All Organs

Room E451A

Chairs: Lokesh Bathla, Methodist Specialty and Transplant Hospital, San Antonio, TX, United States and Sunil Geevarghese, MD, MSCI, FACS, Vanderbilt University Medical Center, Nashville, TN, United States

2:30 pm Retrospective Analysis of Multiple Hemodialysis Access Modalities (Abstract #467)

Victor Bowers, Heidi Pearson, James Huang, John Leone, Adam Tanious, Kristyn Dawley, Ebonie Rogers, Victor Camba, Christopher Albertson, Dylan Lahiff, Talha Rashid, Jacentha Buggs. Tampa, FL.

2:42 pm Five Year Experience with Laparoscopic Sleeve Gastrectomy in Obese Renal Transplant Candidates (Abstract #468)

Andrew Jung, Young Kim, Vikrom Dhar, Dennis Hanseman, Joseph Tadros, Shannon Dehart-Kilgore, Rita Alloway, Daniel Schauer, Silvi Shah, Amit Govil, E. Steve Woodle, Tayyab Diwan. Cincinnati.

2:54 pm Outcomes Following Cholecystectomy in Kidney Transplant Recipients (Abstract #469)

Sandra DiBrito, Courtenay Holscher, Israel Olorundare, Christine Haugen, Yewande Alimi, Dorry Segev, Jacqueline Garonzik-Wang. Baltimore.

3:06 pm The Effect of the Procurement Surgeon on Transplanted Abdominal Organ Outcomes: An OPTN/SRTR Analysis to Evaluate Regional Organ Procurement Collaboration (Abstract #470)

Oscar K. Serrano, David M. Vock, Raja Kandaswamy, Timothy L. Pruett, Arthur J. Matas, Erik B. Finger. Minneapolis, MN.

3:18 pm Results of Biliary Reconstruction with PTFE Graft in Liver Transplantation (Abstract #471)

Ebru H. Ayvazoglu Soy, Gokhan Moray, Adnan Torgay, Handan Ozdemir, Mehmet Haberal. Ankara, Turkey.

3:30 pm Robotic Kidney Transplantation: Bakirkoy Experience (Abstract #472)

Selcuk Sahin, Volkan Tugcu, Abdullah H. Yavuzsan, Fatih G. Akbay, Suheyla Apaydin. Istanbul, Turkey.

3:42 pm When Does the Learning Curve End? A High-Volume Single Center Experience with Laparoscopic Donor Nephrectomy Over 16 Years (Abstract #473)

Shigeyoshi Yamanaga, Andrew M. Posselt, Chris E. Freise, Claus U. Niemann, Angel Rosario, Danny Fernandez, Takaaki Kobayashi, Aaron J. Ahearn, Mehdi Tavakol, Sang-Mo Kang. San Francisco, CA; Kumamoto, Japan; Nagakute, Aichi, Japan; Worcester, MA.

Xenotransplant

Room E351

Chairs: Mohamed Ezzelarab, MD, University of Pittsburgh, Pittsburgh, PA, United States and Richard Pierson, MD, University of Maryland, Baltimore, MD, United States

2:30 pm Autologous Expanded Tregs and Porcine Hematopoietic Cells to Prolong Xenogeneic Pig Skin Graft Acceptance in Baboons (Abstract #474)

Jeffrey M. Stern, Sigal Kofman, Paula Alonso-Guallart, Erik Berglund, Makenzie Danton, Josh Weiner, David Ayares, Robert Hawley, Kazuhiko Yamada, David Sachs, Megan Sykes, Adam Griesemer. New York, NY; Blacksburg, VA.

2:42 pm Addition of hEPCR.hCD55.hTFPI.hCD47 Modulates Multi-Lineage Cell Sequestration and Coagulation Activation by GalTKO.hCD46 Transgenic Pig Livers Perfused Ex Vivo with Human Blood (Abstract #475)

Arielle Cimeno, Lars Burdorf, Dawn M. Parsell, Carol Phelps, David Ayares, Agnes M. Azimzadeh, Robin N. Pierson III, Rolf N. Barth, John C. LaMattina. Baltimore, MD; Blacksburg, VA.

2:54 pm Prolonged Survival with Co-Stimulatory Blockade Based Immunosuppression in Pig-to-Primate Liver Xenotransplantation (Abstract #476)

J. A. Shah, M. S. Patel, N. Elias, I. A. Rosales, N. Navarro-Alvarez, M. Hertl, A. B. Cosimi, R. B. Colvin, J. F. Markmann, D. H. Sachs, P. A. Vagefi. Boston, MA.

3:06 pm Orthotopic Liver Transplantation of Xenogeneic Livers Repopulated with Autologous Hepatocytes: Proof of Normal Function and Consistent Survival (Abstract #477)

Graziano Oldani, Stéphanie Lacotte, Lorenzo A. Orci, Vaihere Delaune, Christian Toso. Geneva, Switzerland.

3:18 pm Early Detection of Xenograft Rejection or Injury by Donor Derived Cell Free DNA in Pig to Baboon Cardiac Xenotransplantation (Abstract #478)

Avneesh Singh, Sean Agbor-Enoh, Joshua Chan, Sasha Groham, Phillip Corcoran, Billeta Lewis, Marvin Thomas, David Ayares, Keith Horvath, Hannah Valantine, Muhammad Mohiuddin. Bethesda, MD; Blacksburg, VA.

3:30 pm CD4 Depletion Is Necessary and Sufficient for Long-Term Nonhuman Primate Xenotransplant Survival (Abstract #479)

Steven Kim, Laura Higginbotham, David Mathews, Cynthia Breeden, Allison Stephenson, Christian Larsen, Mandy Ford, Joseph Tector, Andrew Adams. Atlanta, GA; Birmingham, AL.

3:42 pm CD28 Directed Immunotherapy Is More Potent Than Belatacept in a Nonhuman Primate Xenotransplant Model (Abstract #480)

Steven Kim, Laura Higginbotham, David Mathews, Cynthia Breeden, Allison Stephenson, Christian Larsen, Mandy Ford, Joseph Tector, Andrew Adams. Atlanta, GA; Birmingham, AL.

Allied Health Symposium 3

2:30 pm – 6:00 pm

Room E258

Breaking News in Transplant Pharmacology: Reviewing the Year's Top Publications Involving Pharmacotherapy

Moderators: Tracy Anderson-Haag, PharmD, BCPS, Hennepin County Medical Center, Minneapolis, MN, USA and Winston Ally, PharmD, University of Virginia Health System, Charlottesville, VA, USA

2:30 pm Newest Therapies for the Treatment of Hepatitis C

*Joshua Wiegel, PharmD, BCPS
UW Health
Madison, WI, USA*

2:50 pm Updates In Antiviral Therapies

*James Thielke, PharmD
Home Health and Infusion Options Inc
Chicago, IL, USA*

3:10 pm Novel Treatment Options For Acute and Chronic Humoral Rejection

*Nicole Ejaz, PharmD
Johns Hopkins Hospital
Baltimore, MD, USA*

3:30 pm Novel Treatment Interventions to Improve Medication Adherence and Outcomes

*David Taber, PharmD
Medical University of South Carolina
Charleston, SC, USA*

3:50 pm Coffee Break

What's Your Protocol? Show Me the Data!

Moderators: Daniel Brennan, MD, FACP, Washington University in St. Louis, St. Louis, MO, USA and Lyndsey Bowman, PharmD, BCPS, Tampa General Hospital, Tampa, FL, USA

4:20 pm Kidney Transplant Induction in the Real World – Alemtuzumab

*Kristen Szempruch, PharmD
University of North Carolina Hospital
Chapel Hill, NC, USA*

4:30 pm Kidney Transplant Induction in the Real World – Rabbit Antithymocyte Globulin

*Lindsey Pote, PharmD
The Johns Hopkins Hospital
Baltimore, MD, USA*

4:40 pm Kidney Transplant Induction in the Real World – Basiliximab

*Nicole Pilch, PharmD
Medical University of South Carolina
Charleston, SC, USA*

4:50 pm Discussion

Beyond the "BENEFIT:" How Do You Use Belatacept?

Moderators: Elizabeth Cohen, PharmD, Yale New Haven Hospital, New Haven, CT, USA and Erika Meredith, PharmD, Emory University Hospital, Decatur, GA, USA

5:05 pm Belatacept – The Emory Experience

*Andrew Adams, MD, PhD
Emory University School of Medicine
Atlanta, GA, USA*

5:15 pm Belatacept – The Christ/Cincinnati Experience
Adele Shields, PharmD
The Christ Hospital/University of Cincinnati
Cincinnati, OH, USA

Save the Kidneys: Renal Protection Strategies Post-Liver Transplantation

Moderators: Katelyn Richards, PharmD, Beth Israel Deaconess Medical Center, Boston, MA, USA and Jennifer Hagopian, PharmD, Barnes-Jewish Hospital, Saint Louis, MO

5:25 pm Basixilimab Induction and Delayed Calcineurin Inhibitors Introduction
TrisAnn Rendulic, PharmD, BCPS
University of Kentucky HealthCare
Lexington, KY, USA

5:35 pm Everolimus and Low Dose Tacrolimus
Timothy Horwedel, PharmD
Barnes-Jewish Hospital
St. Louis, MO, USA

5:45 pm Discussion

Pediatric Symposium 2

2:30 pm – 6:00 pm

Room E265

Transitions in Care in Pediatric Transplantation

Moderators: Emily Fredericks, PhD, University of Michigan / C.S. Mott Children's Hospital, Ann Arbor, MI and Amy Bobrowski, MD, Ann & Robert H. Lurie Children's Hospital of Chicago, Elmhurst, IL, USA

2:30 pm Enhancing the Hospital to Home Transition for Families of Pediatric Solid Organ Transplant Recipients: Setting the Stage for Long-Term Success
Stacey Lerret, PhD, RN, CPNP
Medical College of Wisconsin/Children's Hospital of Wisconsin
Milwaukee, WI, USA

3:00 pm Risky Business: How Can We Help Teens Navigate Common Lifestyle Challenges?
Ian Chen, BScEng, DO
SickKids Hospital
Toronto, ON, Canada

3:30 pm Transition From Pediatric To Adult Care: Customizing Patient and Hospital Resources to Foster Successful Outcomes
Beverly Kosmach-Park, DNP, MSN, FAAN
Children's Hospital of Pittsburgh
Pittsburgh, PA, USA

4:00 pm Coffee Break

Transplant Strategies from Pediatric Recipients

Moderators: John Bucuvalas, MD, Cincinnati Children's Hospital MC, Cincinnati, OH, USA and Srinath Chinnakotla, MD, University of Minnesota Medical School, Minneapolis, MN, USA

4:30 pm Implications of KAS on Organ Allocation for Children
Amy Gallo, MD
Stanford University Medical Center
Palo Alto, CA, USA

5:00 pm Finding the Right Donor for the Infant Liver Recipient – Live Donor, Split, or Whole Organ?
George Mazariegos, MD
Pittsburgh
Pittsburgh, PA, USA

5:30 pm Stepping Up – Strategies to Enhance Live Donation in Pediatric Transplantation
Amy Waterman, PhD
UCLA
Los Angeles, CA, USA

Coffee Break with Exhibits

4:00 pm – 4:30 pm

Hall D1

Concurrent Oral Abstract Sessions

4:30 pm – 6:00 pm

B Cells: Regulation and Tolerance

Room E350

Chairs: Anita Chong, PhD, The University of Chicago, Chicago, IL, United States and Irene Kim, MD, Cedars-Sinai Medical Center, Los Angeles, CA, United States

4:30 pm Early Results of Immune Profile Emerging Before Detection of De Novo Humoral Alloimmunity in Kidney Transplant Recipients (Abstract #481)
Jason Zimmerer, Bryce Ringwald, Ronald Pelletier, Ashraf El-Hinnawi, Amer Rajab, Ginny Bumgardner. Columbus.

- 4:42 pm IL-21R Antagonist Inhibits Differentiation of B Cells Towards Plasmablasts upon Alloantigen Stimulation (Abstract #482)**
Kitty de Leur, Frank J. M. F. Dor, Marjolein Dieterich, Luc J. W. van der Laan, Rudi W. Hendriks, Carla C. Baan. Rotterdam, Netherlands; London, United Kingdom.
- 4:54 pm Donor-Derived Cell-Free DNA Predicts Biopsy-Proven Acute Cellular Rejection in Pediatric Kidney Transplant Recipients (Abstract #483)**
Dan J. Stoltz, Aleah Brubaker, Marica Grskovic, Robert Woodward, Amy E. Gallo. Palo Alto, CA; Brisbane, CA.
- 5:06 pm CTLA4Ig Suppresses Memory Responses to HLA-A2⁺ Skin Grafts in a Mouse Model of Allosensitization by Reducing CD138⁺ Plasma Cells (Abstract #484)**
Gordon Wu, Irene Kim, Ning-Ning Chai, Stanley Jordan, Andrew Klein. Los Angeles, CA.
- 5:18 pm CD8⁺ TAb-supp Cells Suppress the Production of Multiple Alloantibody Isotypes in Response to MHC-Mismatched Cellular and Vascularized Allografts (Abstract #485)**
Jason M. Zimmerer, Christina L. Avila, Steven M. Elzein, Bryce A. Ringwald, Ginny L. Bumgardner. Columbus, OH.
- 5:30 pm B Cells in Liver Transplant Tolerance (Abstract #486)**
Miwa Morita, Gospel Enyindah Asonye, Neetu Gupta, John J. Fung, Charles Miller, Shiguang Qian, Lina Lu. Cleveland; Chicago, MI; Cleveland, OH.
- 5:42 pm Importance of B Cell Antigen Specificity in Breg Dependent Tolerance (Abstract #487)**
Shoko Kimura, Lisa Kojima, Mohamed Aburawi, Fermin Fontan, James Kim, Kevin Deng, Haley Tector, Kang Mi Lee, Heidi Yeh, James F. Markmann. Boston, MA.

DCD and Infectious Risk Kidney Donors

Room E450B

Chairs: Amy Evenson, MD, MPH, Beth Israel Deaconess Medical Center, Boston, MA, United States and Kenneth Woodside, MD, University of Michigan, Ann Arbor, MI, United States

- 4:30 pm Delayed Graft Function—Less Ominous for ARF or DCD Recipients? (Abstract #488)**
Meredith Barrett, Abigail R. Smith, Kenneth J. Woodside, Randall S. Sung. Ann Arbor.
- 4:42 pm Donation After Circulatory Death (DCD) Kidneys Are More Likely to Be Discarded than Kidneys from Neurologically Brain Dead Donors (NBD) (Abstract #489)**
John Gill, Caren Rose, Julie Lesage, Yayuk Joffres, Jagbir Gill, Kevin O'Connor. Vancouver, Canada; Seattle.
- 4:54 pm Donor Age Is the Most Important Predictor of Longterm Graft Function in Simultaneous Pancreas-Kidney Transplantation from Donors After Cardiac Death (Abstract #490)**
Jingwen Chen, David M. Mikhail, Hemant Sharma, Ahmed Hijazi, Derek A. Nap, Larry Stitt, Jeffrey Jevnikar, Matthew Cooper, Patrick P. Luke, Alp Sener. London, Canada; Toronto, Canada; Washington.
- 5:06 pm Higher Mortality Among Candidates Who Refuse to Accept DCD Kidney Offers (Abstract #491)**
Mary Bowring, Allan Massie, Dorry Segev. Baltimore.
- 5:18 pm Higher Mortality Among Candidates Who Refused Increased-Infectious Risk Kidney Offers (Abstract #492)**
Mary Bowring, Lauren Kucirka, Allan Massie, Courtenay Holscher, Dorry Segev. Baltimore.
- 5:30 pm Use of Hepatitis C Infected Organs for Kidney Transplantation: A Medical Decision Analysis (Abstract #493)**
Bryce Kiberd, Karen Doucette, Karthik Tennankore. Halifax, NS, Canada; Edmonton, AB, Canada.

5:42 pm Delayed Graft Function and Long-Term Graft Survival in DBD and DCD Kidney Recipients (Abstract #494)

Allan Massie, Dorry Segev. Baltimore.

Disparities in Kidney Transplantation

Room E451A

Chairs: Lauren Kucirka, PhD, John Hopkins, Baltimore, MD, United States and Joseph Melancon, MD, George Washington, Washington, D.C., United States

4:30 pm Just Keeps Getting Worse: Racial and Ethnic Disparities in Access to Live Donor Kidney Transplantation in the US Over the Last Twenty Years (Abstract #495)

Tanjala Purnell, Xun Luo, Lauren Kucirka, Macey Henderson, Elisa Gordon, L. Ebony Boulware, Dorry Segev. Baltimore; Chicago; Durham.

4:42 pm How to Improve Pre-Kidney Transplant Education for Hispanics: Preferences and Perceptions of Northwestern Memorial Hospital's Hispanic Transplant Program (Abstract #496)

Helen B. Gomez, Erica Malagon-Blackwell, Juan Carlos Caicedo. Chicago, IL.

4:54 pm Transplant Center Variability in Disparities for African-American Kidney Transplant Recipients (Abstract #497)

David Taber, M. Gebregziabher, L. Egede, P. Baliga. Charleston, SC.

5:06 pm At-Home Transplant Education Increases Black and Low-Income Dialysis Patients' Transplant Knowledge, Attitudes, Informed Decision-Making and Pursuit: An Explore Transplant @ Home Randomized Controlled Trial (Abstract #498)

Amy Waterman, John Peipert, Anna-Michelle McSorley, Christina Goalby, Leanne Peace. Los Angeles, CA; Columbia, MO.

5:18 pm Dialysis Facility Providers' Awareness of Racial Disparities in Kidney Transplantation (Abstract #499)

Joyce Kim, Mohua Basu, Laura Plantinga, Cam Escoffery, Stephen Pastan, Rachel E. Patzer. Atlanta.

5:30 pm Geographic Disparities in Access to Deceased Donor Kidney Transplant (Abstract #500)

Sally Gustafson, A. Wey, B. Thompson, A. Massie, S. Zhou, N. Salkowski, D. Segev, S. Gentry, Jon Snyder. Minneapolis; Baltimore; Annapolis.

5:42 pm Dramatic Shifts in Prognosis, Outcomes and Baseline Risk Among Wait Listed Kidney Transplant Candidates in the United States (Abstract #501)

Jesse Schold, Emilio Poggio, Laura Buccini, Stuart Flechner, Joshua Augustine, David Goldfarb. Cleveland, OH.

Economics and Outcomes in Organ Transplantation

Room E271A

Chairs: Elizabeth Cohen, PharmD, Yale New Haven Hospital, New Haven, CT, United States and Edward Zavala, MBA, Vanderbilt University, Nashville, TN, United States

4:30 pm Utility of Weighted Composite Endpoints in Kidney Transplantation (Abstract #502)

Jesse Schold, David Goldfarb, Stuart Flechner, Laura Buccini, Joshua Augustine, Emilio Poggio. Cleveland, OH.

4:42 pm Unexplained Cost Variation for Liver Transplantation: A National Study of US Transplant Centers (Abstract #503)

Carlos Santos, Bala Hota, Martin Hertl. Chicago.

4:54 pm "Donor Age or Quality" a Qualitative Analysis of Livers Declined for 830 (Abstract #504)

M. Katherine Dokus, Erik J. DeAngelis, Gopal A. Ramaraju, Koji Tomiyama, Jonathan Huang, Mark Levstik, Roberto Hernandez-Alejandro, Mark S. Orloff, Randeep Kashyap. Rochester, NY.

5:06 pm Cultural Competency of a Mobile, Customized Patient Education Tool for Improving Potential Kidney Transplant Recipients' Knowledge and Decision-Making (Abstract #505)

David Axelrod, Crystal Kynard-Amerson, David Wojciechowski, Krista Lentine, Mark Schnitzler, John Peipert, Amy Waterman. Greenville, NC; Los Angeles, CA; Boston, MA; St. Louis, MO.

5:18 pm Analysis of Outcomes in High Risk Kidney Transplants (Abstract #506)
Esther C. Liu, Meredith Aull, Jennifer H. Lee, Sandip Kapur. New York, NY.

5:30 pm Outcomes of Organs Transplants When the Donor Is a Prior Recipient (Abstract #507)
Grace S. Lee, David S. Goldberg, Matthew H. Levine, Peter L. Abt. Philadelphia, PA.

5:42 pm The New Kidney Allocation System in France Meets it's Targets: Improving Age and HLA DR-QD Matching for Young Adults (Abstract #508)
Christian Jacquelinet, Benoît Audry, Florian Bayer, Marie Alice Macher. Saint-Denis, France.

Islet Transplant

Room E352

Chairs: Paolo Fiorina, MD PhD, Harvard Medical School/Universita degli Studi di Milano, Boston, MA, United States Minor Outlying Islands and Norma Sue Kenyon, Ph.D., University of Miami, Miami, FL, United States

4:30 pm Bioengineering Human Islets to Form Peri-Islet Vessels from Intraislet Endothelial Cells for Improving Human Islet Function (Abstract #509)
G. Loganathan, S. Narayanan, M. Dhanasekaran, A. Patel, W. Tucker, M. Hughes, S. Williams, A. N. Balamurugan. University of Louisville, KY.

4:42 pm Islet Rejection in Autoimmune NOD Mouse Recipients: Implications for Stem Cell Therapies (Abstract #510)
Ronald G. Gill, Marilynne Coulombe, Tinalyn Kupfer, K. Scott Beard, Adam L. Burrack. Aurora, CO; Minneapolis, MN.

4:54 pm IgM Immunotherapy Restores Immune Homeostasis in Type 1 Diabetes (Abstract #511)
Preeti Chhabra, Christopher Wilson, Daniel Moore, Kenneth L. Brayman. Charlottesville, VA; Nashville, TN.

5:06 pm Long-Term Drug-Free Survival of Tiny Cynomolgus Islet Allografts (Abstract #512)
Maria Koulmanda, Vaja Chipashivili, Michael Duggan, Terry B. Strom. Boston, MA.

5:18 pm A Combination of Anti-CD40L-Ab, Rapamycin and Donor Apoptotic Cells Prolongs Allogeneic Pancreatic Islet Survival in Sensitized Mice by Regulating Memory Responses (Abstract #513)
Anil Dangi, Hee-Kap Kang, Xiaomin Zhang, Xunrong Luo. Chicago, IL.

5:30 pm Optimization of Pancreatic Islet-Like Clusters from hiPSCs for Cell Therapy in Type 1 Diabetes (Abstract #514)
Giuseppe Pettinato, Periklis Kyriazis, Melissa T. Thompson, Maria Koulmanda, Robert A. Fisher. Boston, MA.

5:42 pm Inhibition of Liver Natural Killer Cells Activation Through Co-Transplantation of Pre-Activated Mesenchymal Stem Cells Contributes to Improvement of Islet Graft Survival (Abstract #515)
Nobuki Ishida, Kohei Ishiyama, Yoshihiro Saeki, Yuka Tanaka, Hideki Ohdan. Hiroshima, Japan.

Kidney General Outcomes

Room E354A

Chairs: Clarence Foster, MD, TriStar Centennial Medical Center, Nashville, Tennessee, United States and David Leeser, MD, MBA, University of Maryland, Baltimore, Md, United States

4:30 pm The Impact of Delayed Graft Function on Long Term Graft Survival Adjusted for Donor Kidney Quality Assessed by the KDPI (Abstract #516)
Lukas J. Lehner, Fabian Halleck, Dmytro Khadzhyonov, Eva Schrezenmeier, Michael Dürr, Klemens Budde, Oliver Staeck. Berlin, Germany.

4:42 pm Belatacept Conversion in Kidney Recipients with Low GFR Does Not Improve Renal Function (Abstract #517)
Dina Abdelwahab, Smith Byron, Bruce Kaplan, Raymond Heilman. Scottsdale, AZ; Rochester, MN.

4:54 pm Identifying the Specific Causes and the Determinants of Outcome in Kidney Recipients with Transplant Glomerulopathy: A Multicenter Study (Abstract #518)

O. Aubert, S. Higgins, P. Campbell, C. Loheac, D. Viglietti, D. Glotz, C. Legendre, C. Lefaucheur, B. Sis, J. P. Duong Van Huyen, A. Loupy. Paris, France; Edmonton, Canada.

5:06 pm Outcomes of Kidney Transplantation After Primary, Repeat and Kidney After Nonrenal Solid Organ Transplantation: 10 Years UNOS Database Analysis (Abstract #519)

Jose F. Ramirez, Hakeem Aghil, Maher Baz, Boutros Sawaya, Navin Rajagopalan, Xiaonan Mei, Roberto Gedaly, Amr El-Husseini. Lexington, KY.

5:18 pm Twenty Year Trends in Outcomes and Costs Following Kidney Transplantation (Abstract #520)

Akinlolu Ojo, Neetu Agashivala, Larry M. Gache, William Irish. Phoenix, AZ; East Hanover, NJ; Cincinnati, OH.

5:30 pm Is There an Association Between Number of Outpatient Primary Care Visits (OPV) and Outcomes in Kidney Transplantation (KTP)? (Abstract #521)

Amy M. J. O'Shea, Roberto S. Kalil. Iowa City, IA.

5:42 pm Laparoscopic Sleeve Gastrectomy Improves Renal Transplant Candidacy and Posttransplant Outcomes in Morbidly Obese Patients (Abstract #522)

Young Kim, Andrew D. Jung, Vikrom K. Dhar, Joseph Tadros, Rita R. Alloway, Adele R. Shields, Steve E. Woodle, Tayyab S. Diwan. Cincinnati, OH.

Liver: Immunosuppression and Rejection

Room E451B

Chairs: JP Norvell, M.D., Emory University School of Medicine, Atlanta, GA, United States and Thomas Schiano, The Mount Sinai Medical Center, NY, NY, United States

4:30 pm Not All Cellular Rejections Are the Same: Differences in Early and Late Hepatic Allograft Rejection (Abstract #523)

C. Jadowiec, P. Morgan, A. Nehra, M. Hathcock, W. Kremers, R. Wiesner, T. Taner. Rochester, MN.

4:42 pm Long-Term Outcomes After Liver Transplantation (tx) with Everolimus (EVR) and Mycophenolic Acid (MPA) in a Calcineurin Inhibitor-Free Regimen: The CERTITUDE Trial (Abstract #524)

Faouzi Saliba, Christophe Duvoux, Sébastien Dharancy, Jérôme Dumortier, Yvon Calmus, Fabienne Di Giambattista, Filomena Conti. Villejuif, France; Créteil, France; Lille, France; Lyon, France; Paris, France; Rueil-Malmaison, France.

4:54 pm A Comparison of Desensitization Protocols: Rituximab with/without Plasmapheresis in ABO-Incompatible Living Donor Liver Transplantation (Abstract #525)

Eung Chang Lee, Seong Hoon Kim, Seung Duk Lee, Sang-Jae Park. Goyang, Korea.

5:06 pm No Gains in Long-Term Survival Following Liver Transplantation Over the Past Three Decades (Abstract #526)

Abbas Rana, Michael Kueht, Jennifer Moffett, N. Thao N. Galvan, Ronald Cotton, John Vierling, Ayse Mindikoglu, Christine O'Mahony, John Goss. Houston.

5:18 pm FOXP3 rs3761548 A/C+A/A Genotype Is a Risk Factor for Steroid Resistant Rejection After Liver Transplantation (Abstract #527)

Yuka Tanaka, Verma Sapana, Hideki Ohdan. Hiroshima, Japan.

5:30 pm The Combined Effects of Induction Regimens and Antiviral Prophylaxis on the Risk of CMV Infection in Different Serostatus Subgroups After Liver Transplantation (Abstract #528)

Chian Yong Low, Seyed M. Hosseini-Moghaddam, Coleman Rotstein, Eberhard Renner, Atul Humar, Deepali Kumar, Shahid Husain. London, Canada; Toronto, Canada.

5:42 pm Impact of a B-Cell Targeting Agent on Antibody Mediated Rejection and Graft Survival in Liver Transplantation with Preformed DSAs (Abstract #529)

Arnaud Del Bello, Valérie Dubois, Jerome Dumortier, Nicolas Congy-Jolivet, Nassim Kamar. Toulouse, France; Lyon, France.

Long Term Kidney Graft Survival II

Room E450A

Chairs: Arjang Djamali, MD, MS, University of Wisconsin-Madison, Madison, WI, United States and John Friedewald, Northwestern University, Chicago, IL, United States

4:30 pm Acute Cellular Rejection Is Associated with Increased Risk of Early and Late Graft Failure (Abstract #530)

Allan Massie, Jacqueline Garonzik-Wang, Dorry Segev. Baltimore.

4:42 pm Immune Sensitization During Pregnancy Reduces Long-Term Benefit for Kidney Recipients of Offspring Living Donors (Abstract #531)

Jordana Cohen, Lily Owei, Deirdre Sawinski, Paige Porrett. Philadelphia, PA.

4:54 pm Determinants of Severe Interstitial Fibrosis in Kidney Allografts: Major Impact of Circulating Donor-Specific Anti-HLA Antibodies (Abstract #532)

C. Gosset, D. Viglietti, M. Rabant, E. Pillebout, J. L. Taupin, D. Glotz, C. Legendre, J. P. Duong Van-Huyen, A. Loupy, C. Lefaucheur. Paris, France.

5:06 pm Clinical Outcomes of ABO and HLA Incompatible Kidney Transplantation – Nationwide Cohort Study (Abstract #533)

Eun Jeong Ko, Ji Hyun Yu, Chul Woo Yang, Byung Ha Chung, Korean Organ Transplantation Registry (KOTRY). Seoul, Korea.

5:18 pm Center-Level Differences in Outcomes Following High-KDPI Kidney Transplants (Abstract #534)

Linxuan Wu, Allan B. Massie, Xun Luo, Mary Bowring, Dorry L. Segev. Baltimore.

5:30 pm Prolonged Dialysis Prior to Renal Transplantation (Abstract #535)

David D. Aufhauser Jr, Allison W. Peng, Douglas R. Murken, Seth J. Concors, Matthew H. Levine. Philadelphia, PA.

5:42 pm Nephrectomy of the Failed First Kidney Allograft Predisposes Kidney Transplant Recipients to Presensitization with Alloreactive T-Cells and Inferior Allograft Survival After Retransplantation (Abstract #536)

Thomas Schachtner, Maik Stein, Petra Reinke. Berlin, Germany.

Novel Immunosuppression Regimens – Belatacept

Room E354B

Chairs: Lorenzo Gallon, NWU, Chicago, IL, United States and Eliot Heher, MD, Massachusetts General Hospital, Boston, MA, United States

4:30 pm Experience with Belatacept (CTLA4-Ig) Conversion in Highly HLA Sensitized (HS) and ABO-Incompatible (ABOi) Patients Who Received Incompatible Kidney Transplants Post Desensitization (DES) (Abstract #537)

Jua Choi, Alice Peng, Ashley Vo, Edmund Huang, Reiad Najjar, Sabrina Louie, Allie Kang, Shili Ge, Mieko Toyoda, Xiaohai Zhang, Stanley Jordan. Los Angeles, CA.

4:42 pm Belatacept Conversion for Calcineurin Inhibitor (CNI) Toxicity: Our First 100 Patients (Abstract #538)

Russell Crew, Shefali Patel, Akshita Pai, Ibrahim Batal, Hilda Fernandez. New York.

4:54 pm IL-7 Receptor Heterogeneity as a Mechanism for Repertoire Change During Post-Depletional Homeostatic Proliferation and Its Relation to Costimulation Blockade Resistant Rejection (Abstract #539)

He Xu, Todd V. Brennan, Allan D. Kirk. Durham, NC.

5:06 pm A Novel Belatacept Regimen to Optimize Efficacy and Safety (Abstract #540)
David Wojciechowski, Sindhu Chandran, Minnie Sarwal, Joshua Yang, Flavio Vincenti. Boston; San Francisco.

5:18 pm Stability of Immune Phenotype, Alloreactive and Antiviral Immunity After Switch to Belatacept-Based Regimen After Kidney Transplantation (Abstract #541)
J. Schaeenman, M. Rosetti, T. Sidwell, V. Groysberg, G. Sunga, E. Liang, J. Gadzhyan, B. Abdalla, E. Lum, T. Pham, G. Dannovitch, J. Veale, H. A. Gritsch, E. F. Reed, S. Bunnapradist. Los Angeles, CA.

5:30 pm Impact of Belatacept Conversion on Kidney Transplant Function, Histology and Gene Expression (Abstract #542)
Pooja Sanghi, Gaurav Gupta, Dhiren Kumar, Jeff Reeve, Marlon Levy, Amit Sharma, Hasan Fattah, Pamela Kimball, Hugh D. Massey, Anne L. King, Philip Halloran. Richmond; Edmonton, Canada.

5:42 pm A Phase-Two, Randomised, Placebo-Controlled Trial: Belimumab in Renal Transplantation Targets Naïve, Activated Memory and Antibody Producing B Cells Whilst Sparing Regulatory B Cells (Abstract #543)
Gemma D. Banham, Shaun M. Flint, Nicholas Torpey, Paul A. Lyons, Don N. Shanahan, Adele Gibson, Ann-Marie O'Sullivan, Rachel B. Jones, Luke R. Devey, Anna Richards, Lars P. Erwig, Caroline O. Savage, Kenneth G. Smith, Robert B. Henderson, Menna R. Clatworthy. Cambridge, United Kingdom; Stevenage, United Kingdom.

Pathways in Ischemia Reperfusion

Room E351

Chairs: Robert Fairchild, PhD, Cleveland Clinic, Cleveland, OH, United States and Yuan Zal, MD, PhD, UCLA School of Medicine, Los Angeles, CA, United States

4:30 pm TRPV4 Channels Mediate Pulmonary Edema and Inflammation During Ischemia-Reperfusion Injury (Abstract #544)
Eric J. Charles, Yunge Zhao, Kwangseok Hong, Corina Marziano, James H. Mehaffey, Irving L. Kron, Swapnil K. Sonkusare, Victor E. Laubach, Ashish K. Sharma. Charlottesville, VA.

4:42 pm Myeloid HO-1 Orchestrates Liver Graft Function via SIRT1/p53 Signaling: From Mouse-to-Human (Abstract #545)
Kojiro Nakamura, Min Zhang, Bibo Ke, Shoichi Kageyama, Nakul Datta, Ali Zarrinpar, Ronald W. Busuttill, Jesus A. Araujo, Jerzy W. Kupiec-Weglinski. Los Angeles, CA.

4:54 pm Signal Inhibitory Regulatory Protein- α Regulates Pathologic Reactive Oxygen Species in Acute Kidney Injury (Abstract #546)
Natasha Rogers, Daniel Meijles, Patrick Pagano, Jeffrey Isenberg. Sydney, NSW, Australia; Pittsburgh, PA.

5:06 pm The mTOR Signal Regulates Myeloid Derived Suppressor Cells Differentiation and Immunosuppressive Function in Acute Kidney Injury (Abstract #547)
Cheng Yang, Chao Zhang, Ruiming Rong, Tongyu Zhu. Shanghai, China.

5:18 pm Donor-Derived Nonclassical Monocytes Produce MIP-2 to Recruit Recipient Neutrophils and Cause Ischemia Reperfusion Injury After Lung Transplant (Abstract #548)
Stephen Chiu, Zhikun Zheng, Mahzad Akbarpour, Ramiro Fernandez, Alexandra McQuattie-Pimentel, Paul Reyfman, Kishore Anekalla, Daniel Kreisel, Harris Perlman, G. R. S. Budinger, Alexander Misharin, Ankit Bharat. Chicago; St Louis.

5:30 pm Accumulating Mitochondrial DNA in Aging Augments Inflammatory Responses Subsequent to IRI (Abstract #549)
Midas Seyda, Markus Quante, Timm Heinbokel, Guangxiang Liu, Hirofumi Uehara, Jeroen M. Schuitenmaker, Reza Abdi, Christine S. Falk, Abdala Elkhail, Stefan G. Tullius. Boston; Hannover, Germany.

5:42 pm Glucocorticoid Receptor – Relaxin Signaling in Liver Transplant Ischemia-Reperfusion Injury (IRI): From Bench-to-Bedside (Abstract #550)
Shoichi Kageyama, Kojiro Nakamura, Rebecca A. Sossa, Elaine F. Reed, Nakul Datta, Ali Zarrinpar, Ronald W. Busuttil, Jerzy W. Kupiec-Weglinski. Los Angeles, CA.

PTLD

Room E271B

Chairs: Vikas Dharnidharka, MD, MPH, Washington University in St. Louis, Saint Louis, MO, United States and Jutta Preiksaitis, MD, University of Alberta, Edmonton, AB, Canada

4:30 pm Inhibition of Multiple Nodes in the PI3K/Akt/mTOR Pathway Synergistically Suppresses Epstein-Barr Virus B Cell Lymphomas (Abstract #551)
Adam X. Sang, Geoff T. Ivison, Xiumei Qu, Carlos O. Esquivel, Sheri M. Krams, Olivia M. Martinez. Palo Alto, CA.

4:42 pm EBV-Specific CD8⁺ T Cells from Pediatric Thoracic vs Abdominal Transplant Recipients Are Shaped Differently by the Chronic EBV Loads with Potential Impact on the Risk of PTLT (Abstract #552)
Masaki Yamada, Macedo Camila, Paul Fadakar, Kimberly Hornor, Marian Michaels, Michael Green, Christina Nguyen, Brian Feingold, George Mazariegos, Diana Metes. Pittsburgh, PA.

4:54 pm The miRNome of EBV+ PTLT is Distinct from EBV+ Infectious Mononucleosis (Abstract #553)
Yarl Balachandran, Vandana Kaul, Eden Maloney, Aleishia Harris-Arnold, Kenneth Weinberg, Scott Boyd, Daniel Bernstein, Carlos O. Esquivel, Olivia M. Martinez, Sheri Krams. Stanford.

5:06 pm Genomic Diversity of Epstein-Barr Virus in Post-Transplant Lymphoproliferative Disorder (Abstract #554)
Eden M. Maloney, Olivia M. Martinez. Stanford, CA.

5:18 pm Presence of Anellovirus Nucleic Acid Sequences in Involved Tissue Is Associated with Worse Patient Survival in Post-Transplant Lymphoproliferative Disorder (Abstract #555)
Vikas Dharnidharka, Richard Chen, Marianna Ruzinova, Priyanka Parameswaran, Harry O’Gorman, Kristine Wylie, Gregory Storch. St. Louis.

5:30 pm Rituximab Desensitization (DES) and Alemtuzumab Induction Significantly Reduced EBV Viremia and Post-Transplant Lymphoproliferative Disorder (PTLD) in HLA-Sensitized (HS) Kidney Transplant Patients (Abstract #556)
Bong-Ha Shin, Shili Ge, James Mirocha, David Thomas, Edgar Rodriguez, Christine Chao, Odette A. Galera, Ashley Vo, Jua Choi, Alice Peng, Joseph Kahwaji, Stanley C. Jordan, Mieko Toyoda. Los Angeles, CA.

5:42 pm Risk of Primary Central Nervous System Lymphoma in Solid Organ Transplant Recipients (Abstract #557)
Eric A. Engels, Parag Mahale, Meredith S. Shiels. Bethesda, MD.

Late Breaking

Room E353C

Chairs: Reza Abdi, Bwh, Boston, Ma, United States and David Mercer, MD PhD, University of Nebraska Medical Center, Omaha, Nebraska, United States

4:30 pm Co-Stimulation Blockade to Minimize and Withdraw Long Term Calcineurin Inhibitors (CNI) in Simultaneous Pancreas and Kidney Transplant (SPK) (Abstract #566)
P. G. Stock, R. B. Mannon, B. Armstrong, D. Ikle, M. Robian, Y. Morrison, J. Odorico, J. Fridell, A. K. Mehta, K. A. Newell. San Francisco; Birmingham, AL; Chapel Hill, NC; Bethesda, MD; Madison, WI; Indianapolis, IN; Atlanta, GA.

4:42 pm U.S. Outcomes in Early Liver Transplantation for Alcoholic Hepatitis: Results from the American Consortium of Early Liver Transplantation for Alcoholic Hepatitis (ACCELERATE-AH) (Abstract #567)

Brian Lee, N. Mehta, L. Platt, G. Im, G. Therapondos, H. Han, D. Victor, D. Dronamraju, I. Hanouneh, M. Voigt, M. Rinella, S. Eswaran, J. Hause, C. Hsu, J. Dodge, Z. Li, N. Terrault. SF; Baltimore; NYC; New Orleans; LA; Houston; Cleveland; Iowa City; Chicago; Philadelphia.

4:54 pm Phase 3 Trial of Transplantation of Human Islets in Type 1 Diabetes (T1D) Post Renal Transplantation (Abstract #568)

J. F. Markmann, R. Alejandro, M. D. Bellin, N. D. Bridges, W. R. Clarke, T. L. Eggerman, E. F. Foster, B. J. Hering, D. B. Kaufman, O. Korsgren, X. Luo, A. Naji, J. Oberholzer, A. M. Posselt, M. R. Rickels, C. Ricordi, M. A. Robien, P. A. Senior, A. M. J. Shapiro, N. A. Turgeon. .

5:06 pm Efficacy and Safety of Everolimus with Reduced-Exposure Tacrolimus and Corticosteroid Withdrawal in De Novo Pediatric Renal Transplant Recipients: 12-Month Results from the CRADLE Study (Abstract #569)

Robert Ettenger, B. Tönshoff, H. Tedesco, L. Dello Strologo, S. Marks, L. Pape, E. D. Martzloff, B. Rauer, J. Ng, P. M. Lopez. Los Angeles; Basel, Switzerland; East Hanover.

5:18 pm Emerging Safety and Tolerability of Obinutuzumab, a Type 2 Anti-CD20 Monoclonal Antibody for the Desensitization of Renal Transplant Candidates (Abstract #570)

Robert R. Redfield, Stanley C. Jordan, Thomas Schindler, Ha Tran, Caroline Looney, Cherie Green, Alyssa Morimoto, Richa Rajwanshi, Matthew D. Cascino, Paul Brunetta, Dominic Borie. Madison; Los Angeles; Basel, Switzerland; South San Francisco.

5:30 pm A Novel Equation, GRAIL (GfR Assessment in Liver Disease) Correctly Classifies Patients with Reduced GFR and Predicts Development of ESRD (Abstract #571)
Sumeet Asrani, Linda Jennings, Mitra Nadim, Josh Levitsky, James Trotter, Goran Klintmalm. Dallas, TX; LA, CA; Chicago, IL.

5:42 pm Blood and Biopsy Genomic Signatures of Acute Rejection in Liver Transplant Recipients (Abstract #572)

Josh Levitsky, Thomas Whisenant, Sunil Kurian, Sam Rao, Anthony Demetris, Michael Abecassis. Chicago; San Diego; Pittsburgh.

ASTS Business Meeting

5:45 pm – 7:00 pm

Cafe

Poster Session D

6:00 pm – 7:00 pm

Hall D1

Poster Viewing: 9:30 am – 12:00 pm
2:30 pm – 7:00 pm

Presenters in Attendance: 6:00 pm – 7:00 pm

Poster Session D can be found on pages 178-204.

ATC Night Out

7:30 pm – 10:00 pm

Offsite - River Roast

AMERICAN TRANSPLANT CONGRESS
Day-at-a-Glance, Wednesday, May 3, 2017

8:00 am – 10:00 am Plenary

Page 102 **Joint Plenary Session IV**
Arie Crown Theater

10:00 am – 10:15 am Coffee Break
Foyer

10:15 am – 11:30 am What's Hot, What's New

Page 103 *Arie Crown Theater*

AMERICAN TRANSPLANT CONGRESS

Program, Wednesday, May 3, 2017

Joint Plenary Session IV

8:00 am – 10:00 am

Arie Crown Theater

Chairs: Josh Levitsky, MD, MS, Northwestern University, Chicago, IL, USA and David Mercer, MD PhD, University of Nebraska Medical Center, Omaha, Nebraska, United States

8:00 am Tissue Transcriptional Profile of Portal Inflammation with Interface Activity in Pediatric Liver Transplant (LT) Recipients with Normal Liver Tests Closely Resembles T Cell Mediated Rejection (TCMR) (Abstract #558)

A. Sanchez-Fueyo, S. Feng, A. Demetris, J. Bucuvalas, J. Lozano, J. Magee, K. Spain, S. Kanaparthi, iWITH Investigators. London, United Kingdom; SF; Pittsburgh; Cincinnati; Barcelona, Spain; Ann Arbor/Chapel Hill; Bethesda.

8:15 am Costimulation Independent Acute Rejection Requires CD127 Signaling (Abstract #559)

David Varkey Mathews, Ying Dong, Steven Charles Kim, Cynthia Breeden, Andrew B. Adams. Atlanta, GA.

8:30 am Outcomes from a Multinational Randomised Controlled Trial Comparing Normothermic Machine Perfusion with Static Cold Storage in Human Liver Transplantation (Abstract #560)

David Nasralla, Consortium for Organ Preservation in Europe Liver Research Group, Rutger Ploeg, Constantin Coussios, Peter Friend. Oxford, United Kingdom.

8:45 am Etiology and Timing of ESRD After Kidney Donation (Abstract #561)

Arthur Matas, D. Berglund, B. Sengupta, H. N. Ibrahim. Mpls.

9:00 am Maribavir for Treatment of Cytomegalovirus Infections Resistant or Refractory to Ganciclovir or Foscarnet in Solid Organ Transplant Recipients: A Phase 2 Study (Abstract #562)

Marcus R. Pereira, Fernanda P. Silveira, Genovefa Papanicolaou, Amelia Langston, Robin Avery, Anna Wijatyk, Jingyang J. Wu, Michael Boeckh, Francisco M. Marty, Stephen Villano. New York, NY; Pittsburgh, PA; Atlanta, GA; Baltimore, MD; Lexington, MA; Seattle, WA; Boston, MA; Wayne, PA.

9:15 am Donor SIRPa Polymorphism Modulates the Innate Immune Response to Allogeneic Grafts (Abstract #563)

Hehua Dai, Andrew Friday, Khodor Abou-Daya, Amanda Williams, Martin Oberbarnscheidt, Jayne Danska, Fadi Lakkis. Pittsburgh, PA; Toronto, ON, Canada.

9:30 am Dysregulated Innate Immune Response Is a Robust Predictor of Allograft Injury and Survival Across All Transplanted Organs (Abstract #564)

Tej D. Azad, Michele Donato, Line Heylen, Shai Shen-Orr, Timothy E. Sweeney, Maarten Naesens, Purvesh Khatri. Stanford, CA; Leuven, Belgium; Haifa, Israel.

9:45 am Inflammasome, Unfolded Protein Response and T Cell Immunity in DAIH (Abstract #565)

Adam Arterbery, Mercedes Martinez, Steven Lobritto, Yaron Avitzur, Udeme Ekong. New Haven, CT; Toronto, ON, Canada; New York, NY.

Coffee Break

10:00 am – 10:15 am

Foyer

What's Hot, What's New – Overview of the Top Presented Abstracts

10:15 am – 11:30 am

Arie Crown Theater

Moderators: TBD

10:15 am Basic

*Xian Li, MD, PhD
Houston Methodist
Houston, TX, USA*

10:45 am Translational

*Andrew Adams, MD, PhD
Emory University School of Medicine
Atlanta, GA, USA*

11:00 am Clinical

*Matthew Cooper, MD
Medstar Georgetown Transplant Institute
Washington DC, USA*

Poster Session A

Poster Viewing: 6:00 pm – 7:30 pm
Presenters in Attendance: 6:00 pm – 7:30 pm
Hall D1

A# indicates the board location where the poster will be displayed.

- † Those posters identified as an ATC Poster of Distinction by this symbol have received review scores that place them in the top 10% of their category. The Planning Committee encourages you to make them a priority when you visit the poster session.

Antibody Mediated Rejection in Kidney Transplant Recipients I

A1 Antibody-Mediated Vascular Rejection of Kidney Allografts: What Does It Happen After 15 Years?

Beatriz B. Rodriguez Cubillo, Isabel I. Perez Flores, Maria Angeles M. A. Moreno De La Higuera, Marta M. A. Calvo, Natividad N. Calvo Romero, Alejandro A. Pascual, Jose Antonio J. A. Cortes, Julia J. Blanco, Ana Isabel A. I. Sanchez-Fructuoso. Madrid, Spain.

A2 Can Pre-Treatment CDC Titres Predict Graft Outcomes in HLA Incompatible Transplants?

Abheesh Prasad, Anand Yuvaraj, David Briggs, Nithya Krishnan. Coventry, United Kingdom; Birmingham, United Kingdom.

A3 Risk Factors and Consequences of De Novo Anti-HLA Donor Specific Antibodies in Kidney Transplant Recipients: The Force Awakens

Basit Javaid, Sandra Rosen-Bronson, Dong Li, Mariam Awwad, Alexander Gilbert, Seyed Ghasemian, Jennifer Verbese, Peter Abrams, Monica Grafals, Jill Fenton, Caroline Cannon, Joanne Rapisura, Jack Moore, Matthew Cooper. Washington, DC.

A4 Chronic Antibody Mediated Rejection (cABMR) in ABO-Incompatible and ABO-Compatible Kidney Transplants: A Single US Center Experience

Supreet Sethi, Ashley Vo, Edmund Huang, Laalasa Varanasi, Jua Choi, Alice Peng, Reiad Najjar, Stanley Jordan. Los Angeles, CA.

A5 Risk Factors of Treatment Failure in Antibody Mediated Rejection

Vincent Pernin, Ilan Szwarc, Tarik Kanouni, Valérie Garrigue, Jean Emmanuel Serre, Sylvie Delmas, Georges Mourad, Moglie Le Quintrec. Montpellier, France.

A6 Elevated Circulating AT1R Levels Indicate Heightened Risk for Antibody Mediated Rejection and Graft Failure

Pamela Kimball, Gaurav Gupta, Felecia McDougan. Richmond, VA.

A7 IdeS, an IgG Endopeptidase, Effectively Cleaves Anti-CMV IgG, Resulting in Inhibition of Antibody (Ab)-Mediated NK Cell Activation in Kidney Transplant Patients (KTX Pts)

Bong-Ha Shin, Shili Ge, Maggie Chu, Jua Choi, Lena Winstedt, Christian Kjellman, Sabrina Louie, Ashley Vo, Alice Peng, Stanley C. Jordan, Mieko Toyoda. Los Angeles, CA; Lund, Sweden.

A8 Complement Binding Activity (C3d, C1q) of De Novo Donor-Specific HLA Antibody Is Associated with Increased Risk of Antibody-Mediated Rejection in Non-Sensitized Kidney Transplant Recipients

Hyeyoung Lee, Eunhee Han, Ae-Ran Choi, Ki Hyun Park, Ji Hyeong Ryu, Byung Ha Chung, Chul Woo Yang, Eun-Jee Oh. Seoul, South Korea (KOR), Korea.

A9 † Graft Immunocomplex Capture Fluorescence Analysis to Detect Donor Specific Antibodies and HLA Antigen Complexes in the Renal Allograft

Tsukasa Nakamura, Hidetaka Ushigome, Kiyoko Watabe, Yui Imanishi, Shumpei Harada, Shuji Nobori, Koji Masuda, Norio Yoshimura. Kyoto, Japan.

- A10 † Steroid Withdrawal and De Novo Donor-Specific HLA Antibodies in Renal Transplant Patients: A Prospective, Randomized, Controlled Study in Parallel Groups. Preliminary Results**
Juana Alonso-Titos, Pedro Ruiz-Esteban, Eulalia Palma, Veronica Lopez, Abelardo Caballero, Myriam Leon, Maria Angeles Cobos, Josep Maria Cruzado, Joana Sellares, Armando Torres, Domingo Hernandez. Malaga, Spain; Tenerife, Spain; Barcelona, Spain.
- A11 † Activated Th1 and Th17 cT_{FH} Phenotype Correlates with DSA Production in Kidney Transplant Recipients**
Camila Macedo, Paul Fadakar, Kevin Hadi, Beth Ellinof, Adriana Zeevi, Sundaram Hariharan, Diana Metes. Pittsburgh.
- A12 † Early Antibody-Mediated Rejection C4d Status Remains a Marker of Prognosis in HLA-Incompatible Kidney Transplantation**
J. Malheiro, S. Santos, S. Tafulo, L. Dias, L. S. Martins, J. Ramon, A. Castro-Henriques. Porto, Portugal.
- A13 † Regulatory T Cells Inhibit Plasmablast Formation and IgG Production by Tempering T Follicular Helper Cell Function**
Paul Fadakar, Camila Macedo, Masaki Yamada, Kevin Hadi, Diana Metes. Pittsburgh, PA.
- A14 Urinary Proteomic Biomarkers Discovery for Prediction of Acute Rejection in Kidney Transplant Recipients**
Hee-Yeon Jung, Rang Hi Kim, Sang Mi Park, Jung Hwa Park, Kyung Hee Lee, Eun Song Lee, Jeong-Hoon Lim, Kyu Yeun Kim, Ji-Young Choi, Jang-Hee Cho, Sun-Hee Park, Yong-Lim Kim, Chan-Duck Kim. Daegu, Republic of Korea.
- A15 Identification of Antibody-Mediated Rejection After Kidney Transplantation by Specific MicroRNAs**
Mareen Matz, Frederik Heinrich, Pawel Durek, Christine Lorkowski, Kaiyin Wu, Nils Lachmann, Klemens Budde, Mir-Farzin Mashreghi. Berlin, Germany.
- A16 Circulating Donor-Specific Memory B Cells (mBc) Discriminates Kidney Transplant Patients with Histological Lesions of ABMR in Absence of Circulating DSA**
Sergi Luque, Marc Lúcia, Marta Jarque, Elena Crespo, Edoardo Melilli, Jaime Martorell, Josep M. Cruzado, Joan Torras, Josep M. Grinyó, Oriol Bestard. Barcelona, Catalunya, Spain; Stanford.
- A17 Single Nuclear Polymorphisms of Complement Component 4 and Component 5 in Renal Transplant Recipients with Antibody-Mediated Rejection**
Zijie Wang, Zhijian Han, Jun Tao, Ruoyun Tan, Min Gu. Nanjing, Jiangsu, China.
- A18 Gene Expression Signature of Subclinical Allograft Kidney ABMR Compared to Clinical ABMR**
O. Aubert, C. Lefaucheur, S. Higgins, L. Hidalgo, J. P. Duong Van Huyen, D. Viglietti, X. Jouven, D. Glotz, C. Legendre, P. Halloran, A. Loupy. Paris, France; Edmonton, France.
- A19 Development of De Novo Donor Specific Antibodies (dnDSAs) Not the Presence of Pre-Transplant Donor Specific Antibodies (Pre-DSAs) Increase Rejection Risk in Crossmatch Negative Kidney Transplant Recipients**
Hasan Khamash, Logan Archambault, Matthew Buras, Heidi Kosiorek, Marcelo Pando, Kunam Reddy, Bruce Kaplan, Raymond Heilman. Phoenix, AZ.
- A20 Poor Prediction of Rejection and Kidney Survival by Donor-Specific-Antibodies Characterization**
Lionel Couzi, Maxime Courant, Jonathan Visentin, Valérie Dubois, Sébastien Lepreux, Gwendaline Guidicelli, Olivier Thauinat, Pierre Merville, Jean-Luc Taupin. Bordeaux, France; Lyon, France; Paris, France.
- A21 DSA Presence Does Not Affect Renal Histology and Clinical Outcome in Chronic Active Antibody Mediated Rejection**
Kasia A. Sablik, Marian C. Clahsen-van Groningen, Caspar W. N. Looman, Jeffrey Damman, Dave L. Roelen, Madelon van Agteren, Michael Betjes. Rotterdam, Netherlands; Leiden, Netherlands.

- A22** **Microarray Analysis of Rejection in Formalin-Fixed Paraffin-Embedded Biopsies: Similarities and Disparities with Conventionally Stabilized Biopsies**
Konrad S. Famulski, Jeff Revee, Philip F. Halloran. Edmonton, AB, Canada.
- A23** **Microcirculation Inflammation in Kidney Allograft Biopsies**
Maria C. Giordani, Mariela I. Bedini Rocca, Silvia R. Groppa, Cesar A. Mombelli, Silvia B. Christiansen, Maria L. Ocampo, Guillermo J. Rosa Diez, Nora C. Imperiali. Buenos Aires, Argentina.
- A24** **Comparison Between IgG, C1q and C3d Single Antigen Bead Assays in Detecting Class I Complement-Binding Anti-HLA Antibodies**
Manuel A. Moreno Gonzales, Donald G. Mitema, Byron H. Smith, Carrie A. Schinstock, Mark D. Stegall, Manish J. Gandhi. Lima, Peru; Jackson, MS; Rochester, MN.
- A25** **C3d-Binding Anti-DQ DSA Is Associated with a High Risk for Late ABMR and Graft Failure in Stable Kidney Transplant Recipients**
Dong Ryeol Lee, Byung Chang Kim, Jong Pho Kim, In Guen Kim, Mi Young Chun. Busan, Republic of Korea.
- A26** **Mycophenolate Dose Reductions Are Not Associated with De Novo Donor-Specific Antibodies**
Scott Davis, Jane Gralla, Patrick Klem, Alexander Wiseman, James Cooper. Aurora, CO.
- A27** **Blood Transfusion Before Organ Transplant: Patient Sensitization and Outcomes**
Irena Cich, Kyle Rudser, Roland Brown, Hassan Ibrahim, Randall Thorson, Jagadish Patil, Gabriel Loor, Marshall Hertz, Claudia Cohn. Minneapolis, MN.
- A28** **Banff 2013 Classification of Renal Allograft Pathology Is Superior to Banff 2007 in Detecting and Managing Milder and Earlier Cases of Antibody-Mediated Rejection**
Jared Hassler, Venkatesh K. Ariyamuthu, Allen Hendricks, Bekir Tanriover, Jose R. Torrealba. Dallas, TX.
- A29** **HLA Donor-Specific Antibody (DSA) Negative Antibody-Mediated Rejection (AMR): Incidence, Treatment and Outcomes**
R. R. Redfield, S. Parajuli, W. Zhong, B. C. Astor, A. Djamali, D. A. Mandelbrot. Madison.
- A30 †** **A Novel Computational HLA Matching Algorithm for Improving Donor-Recipient Histocompatibility and Graft Outcomes After Kidney Transplantation**
Vasilis Kosmoliaptsis, Dermot H. Mallon, Susan Fuggle, Rachel Johnson, Christopher J. E. Watson, J. Andrew Bradley, Craig J. Taylor. Cambridge, United Kingdom; Bristol, United Kingdom.
- Cellular & Bone Marrow Transplantation Session I**
- A31 †** **Combining Neural Stem Cell Transplantation with Mixed Hematopoietic Chimerism Promotes Restoration of Self-Tolerance in Established Experimental Autoimmune Encephalomyelitis**
William Orent, Jose Marino, Bruno Gonzalez Nolasco, Joshua Paster, Alycen Harney, David Sachs, Gilles Benichou. Boston, MA.
- A32 †** **The Beneficial Effect of Janus Kinase 3 Inhibitor on Transplanted Islet via Protection from Oxidative Stress-Induced β Cell Death**
Seong-Jun Kang, Hyunwoo Chung, Sunho Lee, Jun-Seop Shin, Hyun-Je Kim, Jong-Min Kim, Byoung-Hoon Min, Sowon Choi, Chung-Gyu Park. Seoul, Korea.
- A33 †** **The Role of Toll-Like Receptor 4 in Islet Transplantation and a Novel Method of Protection Using Chemical Surface Modification**
Charles A. Chang, Gumpei Yoshimatsu, Babatope Akinbobuyi, Michael C. Lawrence, Robert R. Kane, Bashoo Naziruddin. Waco, TX; Dallas, TX.

- A34 † Transplantation of Chimeric Cells of Myoblast and Mesenchymal Stem Cell Origin for Restoration of Muscle Function**
Maria Siemionow, Erzsebet Szilagyi, Joanna Cwykiel, Anna Domaszewska-Szostek, Ahlke Heydemann, Jesus Garcia-Martinez. Chicago.
- A35 Timing of Mesenchymal Stem Cell Infusions Affects Rejection Free and Overall Islet Allograft Survival**
Norma S. Kenyon, Melissa Willman, Dongmei Han, Alexander Rabassa, Waldo Diaz, Rachel Leeman, Kenton McHenry, Daniel Salomon, Amelia Bartholomew, Norman M. Kenyon, Dora M. Berman. Miami, FL; Champaign, IL; La Jolla, CA; Chicago, IL.
- A36 Liver Mesenchymal Stem Cells Inhibit T Cell Alloresponses**
T. Taner, M. Gustafson, M. Hansen, A. Dietz, M. Stegall. Rochester, MN.
- A37 Donor Lymphoid Chimerism in Early Recognition and Prediction of Clinical Outcome Caused by Acute Graft versus Host Disease After Solid Organ Transplant**
Aiwen Zhang, Yuchu Sun, Koji Hashimoto, Masato Fujiki, Medhat Askar, John Fung, Charles Miller, Kareem Abu-Elmagd, Bijan Eghtesad. Cleveland, OH; Willemstad, Netherlands Antilles; Dallas, TX; Chicago, IL.
- A38 iNKT Cell Activation Plus Veto Cell Transfer Yields Complete Chimerism in a Murine Sub-Lethal Bone Marrow Transplant Model**
Rumi Ishii, Toshihito Hirai, Yasuyuki Ishii, Masayoshi Okumi, Kazunari Tanabe. Tokyo, Japan; Yokohama, Japan.
- A39 Naïve and Interferon-gamma Activated Mesenchymal Stem Cells Differentially Affect Immune Responses In Vitro and In Vivo**
Rachana Patil, Kavitha Premanand, Lisa Halliday, Erszebet Szilagyi, Melissa Willman, Jiangzhou Yu, Richard Hickey, Dora Berman, Anu Antony, Fan Pan, Xueqiong Wang, Kenton McHenry, Daniel Salomon, Norma Kenyon, Amelia Bartholomew. Chicago; Miami; Urbana-Champaign; La Jolla.
- A40 PTEN Inhibition in MSC Upregulates PD-L1 and Enhances Their Immunomodulatory Capacity Prolonging Skin Allograft Survival**
Mihail Climov, Mayuko Uehara, Zhabiz Solhjoui, Hajime Matsumine, Naima Bouyani, Eirini Kefaloyianni, Baharak Basmani, Vivek Kasinath, Giorgio Giatsidis, Dennis P. Orgill, Reza Abdi. Boston, MA.
- A41 Inflammatory Conditions Dictate the Effect of MSC on B Cell Function**
Franka Luk, Laura Carreras-Planella, Sander S. Korevaar, Samantha F. H. de Witte, Francesc E. Borràs, Michiel G. H. Betjes, Carla C. Baan, Martin J. Hoogduijn, Marcella Franquesa. Rotterdam, Netherlands; Badalona, Spain.
- A42 Antioxidant Thermoresponsive Hydrogel as a Versatile Islets Scaffolds for Treating Type I Diabetes**
Yunxiao Zhu, Xiaoming Zhang, Guillermo Antonio Ameer, Xunrong Luo. Evanston, IL; Chicago, IL.
- A43 Dual Treatment of Suboptimal Doses of CsA and MSC Infusion Fully Prevents Acute Rejection in an Allogenic Model of Renal Transplantation**
Laura de Ramon, Ana Merino, Elia Ripoll, Nuria Bolaños, Montse Gomà, Josep M. Cruzado, Josep M. Grinyó, Juan Torras. Hospitalet Llobregat, Barcelona, Spain; Hopitalet Llobregat, Barcelona, Spain.
- A44 Cibinetide (ARA 290), the Innate Repair Receptor Ligand, Improves Engraftment in Pancreatic Islet Transplantation by Protecting Islets and Reducing Inflammatory Reactions**
Masaaki Watanabe, Ming Han Yao, Helen Zemack, Bo-Göran Ericzon, Anthony Cerami, Michael Brines, Torbjörn Lundgren, Makiko Kumagai-Braesch. Stockholm, Sweden; Tarrytown, NY.
- A45 CXCL12 Modulation of Localized Immune Responses to Subcutaneous Islet Macrocapsulation**
Madeline F. E. Penson, Marinko Sremac, Ruxandra Sirbulescu, Timothy Brauns, Fiona Harrington, Mark Poznansky. Boston, MA.

A46 **Suppression of Inflammation by Withaferin A in Cerulein-Induced Pancreatitis Model Results in Improved Syngeneic Islet Engraftment**
Gumpei Yoshimatsu, Mazhar A. Kanak, Charles A. Chang, Carly M. Darden, Michael C. Lawrence, Bashoo Naziruddin. Dallas, TX; Richmond, VA.

A47 † **Human Islet-Derived Extracellular Vesicles Stimulate CD14+ Monocytes Resulting in Proinflammatory Cytokine Production**
Alissa K. Rutman, Sarita Negi, Craig Hasilo, Marco Gasparri, Jean Tchervenkov, Steven Paraskevas. Montreal, QC, Canada.

Clinical Science: Kidney Immunosuppression: Desensitization

A48 † **The Impact of Belatacept on Anti-HLA Antibodies of Highly Sensitized Kidney Transplant Recipients**
Ronald Parsons, Hannah Decker, Thomas Pearson, Christian Larsen, Robert Bray, Howard Gebel. Atlanta, GA.

A49 † **Percentage of CD19+ B Cells as a Predictor of Acute Antibody-Mediated Rejection After Administration of Rituximab in ABO-Incompatible Kidney Transplantation**
Takayuki Hirose, Daiki Iwami, Kiyohiko Hotta, Hajime Sasaki, Haruka Higuchi, Nobuo Shinohara. Sapporo, Japan.

A50 **Update of a Placebo-Controlled Trial of C1 Esterase Inhibitor for Prevention of Antibody Mediated Rejection (ABMR) in Highly-HLA Sensitized Patients**
A. A. Vo, J. Choi, A. Peng, K. Lim, L. Varanasi, R. Najjar, E. Huang, D. Puliya, S. C. Jordan. LA, CA.

A51 **Assessing the Impact of the New KAS on Transplant Rates in Highly-HLA Sensitized (HS) Patients After Desensitization (Des) 2 Years Post Implementation**
A. A. Vo, S. Williamson, K. Myers, E. Huang, J. Choi, X. Zhang, A. Peng, R. Najjar, S. C. Jordan. LA, CA.

A52 **Prognostic Tools to Choose Candidates for Successful Desensitization**
David F. Pinelli, Andrea A. Zachary, John J. Friedewald, Mary S. Leffell, Donna Lucas, Robert Montgomery, Anat R. Tambur. Chicago, IL; Baltimore, MD.

A53 **Three Year Outcomes Following Positive Crossmatch Renal Transplantation Despite Failure to Convert to Negative Flow Crossmatch After Desensitization**
Shree Patel, Jamie Benken, Sanjeev Akkina, Patricia West-Thielke, James Thielke, Maya Campara, Jose Oberholzer, Enrico Benedetti. Chicago; Maywood.

A54 **Presence of Complement Activating Donor Specific Antibodies Is Associated with Poor Renal Allograft Survival: Two Centre Retrospective Study**
Adarsh Babu, Olivia Shaw, Louise Howe, Nicos Kessar, Anthony Dorling, Nizam Mamode, Robert Vaughan, Nithya Krishnan, Rob Higgins, Dan Mitchell, David Briggs, Sunil Daga. Coventry, United Kingdom; London, United Kingdom; Birmingham, United Kingdom; Leeds, United Kingdom.

A55 **Outcomes of 100 ABO Incompatible Kidney Transplants: A Single US Center Experience**
Supreet Sethi, Ashley Vo, Edmund Huang, Laalasa Varanasi, Jua Choi, Alice Peng, Reiad Najjar, Stanley Jordan. Los Angeles, CA.

A56 **Effect of Induction Therapy in ABO Incompatible Living-Donor Kidney Transplantation: A Single Center Experience**
Luca Lanfranco, Laure Esposito, Arnaud Del Bello, Olivier Cointault, Asma Allal, Lionel Rostaing, Nassim Kamar. Toulouse, France.

- A57 Avoidance or Reduction of Rituximab Might Improve Clinical Outcomes in ABO-Incompatible Renal Transplantation: Advantages and Disadvantages of Rituximab**
Manabu Okada, Yoshihiko Watarai, Kenta Iwasaki, Kenta Murotani, Takahisa Hiramitsu, Makoto Tsujita, Norihiko Goto, Shunji Narumi, Takaaki Kobayashi. Nagoya, Japan; Nagakute, Japan.
- A58 Successful Launch of an ABO-Incompatible Kidney Transplantation Program to Overcome the Shortage of Compatible Living Donors: Experience at a Single Center**
Seung Hwan Song, Juhan Lee, Jee Youn Lee, Su-Kyung Kwon, Beom Seok Kim, Jae Geun Lee, Yu Seun Kim, Myoung Soo Kim, Soon Il Kim, Kyu Ha Huh. Seoul, Republic of Korea.
- A59 Complement Markers in Immunoabsorption Combined with Membrane Filtration**
P. Malvezzi, F. Defendi, F. Eskandary, T. Jouve, L. Rostaing, C. Dumestre-Perard, G. Böhmig. Grenoble, France; Vienna, Austria.
- A60 Outcome of ABO-Incompatible Kidney Transplantation After Stratified Desensitization**
Koji Nanmoku, Akira Kurosawa, Taro Kubo, Takahiro Shinzato, Toshihiro Shimizu, Takaaki Kimura, Takashi Yagisawa. Shimotsuke, Tochigi, Japan.
- A61 Factors Affecting Desensitization Outcome**
Andrea A. Zachary, Robert A. Montgomery, Mary S. Leffell. Baltimore, MD; New York, NY.
- A62 Comparing Outcomes of ABO Incompatible to DSA Positive/CDC-AHG Negative Kidney Transplantation**
T. Kitrunghpaiboon, N. Townamchai, D. Saengpanit, K. Iampenkhae, K. Jutivorakool, Y. Avihingsanon, K. Praditpornsilpa. Bangkok, Thailand.
- A63 Outcome of Living-Donor Kidney Transplantation in Cross-Match-Positive Recipients at a Single Center**
Daigo Okada, Masayoshi Okumi, Kohei Unagami, Tomokazu Shimizu, Hideki Ishida, Kazunari Tanabe. Tokyo, Japan.
- Clinical Science: Liver – Hepatocellular Carcinoma and Cholangiocarcinoma Malignancies**
- A64 † Women in the United States Receive More Resections and Ablations for Hepatocellular Carcinoma Than Men**
Lindsay Sobotka, Alice Hinton, Lanla Conteh. Columbus.
- A65 † Prognostic Significance of Preoperative Neutrophil-Lymphocyte Ratio in Patients Undergoing Liver Transplantation with Hepatocellular Carcinoma within Milan Criteria**
Su-Kyung Kwon, Jae Geun Lee, Seung Hwan Song, Jee Youn Lee, Deok Gie Kim, Jung Jun Lee, Myoung Soo Kim, Gi Hong Choi, Jin Sub Choi, Dai Hoon Han, Soon Il Kim, Dong Jin Joo. Seoul, Korea; Bundang, Korea.
- A66 The Impact of the Donor Risk Index on Tumor Free Survival in Patients Undergoing Liver Transplantation with Hepatocellular Carcinoma**
Dilip K. Moonka, Shunji Nagai, Ann M. Harper, Reena J. Salgia. Detroit, MI; Richmond, VA.
- A67 Effect of Embolization History and Tumor Treatment Response on Plasma TGFβ in HCC Patients Listed for Liver Transplantation**
Paul Thevenot, Kelley Núñez, Janet Gonzalez-Rosario, Tyler Sandow, Anas Alharbi, Amjad Bokhari, Dorota Wyczechowska, Augusto Ochoa, Ari Cohen. New Orleans, LA.
- A68 Hepatic Artery and Biliary Complications in Liver Transplant Recipients with Radioembolization Bridging Treatment for Hepatocellular Carcinoma**
Sonia Radunz, Jürgen Treckmann, Fuat H. Saner, Stefan Müller, Jens M. Theysohn, Andreas Paul, Tamás Benkő. Essen, Germany.

- A69** **Different Prognostic Factors for Early and Late Recurrence After Adult Living Donor Liver Transplantation for Hepatocellular Carcinoma**
Suk Kyun Hong, Kwang-Woong Lee, Hyo-Sin Kim, Sung-Woo Ahn, Kyung Chul Yoon, Hyeyoung Kim, Nam-Joon Yi, Kyung-Suk Suh. Seoul, Republic of Korea.
- A70** **The Glasgow Prognostic Score and Its Variants Predict Mortality in Living Donor but Not in Deceased Donor Liver Transplantation for Hepatocellular Carcinoma: A Double-Center Validation Study**
Alexander Kaltenborn, Jill Gwiasda, Nils Heits, Felix Braun, Harald Schrem. Hannover, Germany; Kiel, Germany.
- A71** **Incidental Hepatocellular Carcinoma in Explanted Livers: An Assessment After LIRADS Introduction**
Sandra Garcia Aroz, Daniel Ludwig, Kathryn Fowler, Neeta Vachharajani, Min Xu, Yiing Lin, Majella Doyle, William Chapman. St. Louis, MO.
- A72** **A New Strategy for Loco-Regional Therapy of Hepatocellular Carcinoma: Stereotactic Body Radiotherapy as a Bridge to Liver Transplantation**
Tadahiro Uemura, Alexander Kirichenko, Mark Bunker, Molly Vincent, Lorenzo Machado, Ashish Singhal, Ngoc Thai. Pittsburgh.
- A73** **Recurrent HCC After Radiofrequency Ablation or Liver Resection Can Be Effectively Treated with Salvage Transplantation**
Hala Muaddi, David Al-Adra, Joshua Shaw, David Grant, Paul D. Greig, Ian McGilvray, Mark Cattral, Alice Wei, Carol-Anne Moulton, John Kachura, Rob Beecroft, Markus Selzner, Anand Ghanekar, Steve Gallinger, Sean P. Cleary, Gonzalo Sapisochin. Toronto, ON, Canada.
- A74** **Which Way to Go, Liver Resection or Liver Transplantation for Hepatocellular Carcinoma in Child A Liver Cirrhosis**
Kyung Chul Yoon, Kwang-Woong Lee, Hyeyoung Kim, Dongkyu Oh, Hyo-Sin Kim, Sung Woo Ahn, Suk Kyun Hong, Nam-Joon Yi, Kyung-Suk Suh. Seoul, Jongrogu, Republic of Korea.
- A75** **Outcome After Living Donor Liver Transplantation for Hepatocellular Carcinoma in Elderly Patients > 65 Years: Assessing the Long Term Survival**
Ashok Thorat, Shih-Chao Hsu, Long-Bin Jeng, Horng-Ren Yang, Ping-Chun Li, Chun-Chieh Yeh, Te-Hung Chen, Kin-Shing Poon. Taichung, Taiwan.
- A76** **Pre-TACE Immune Status Correlates with Treatment Response and Tumor Biology in HCC as a Bridge to Transplant**
Tyler Sandow, Humberto Bohorquez, David Kirsch, Abeer Albar, Paul Thevenot, Kelley Nunez, Daniel DeVun, Juan Gimenez, Gretchen Galliano, Ari Cohen, George Loss, Dennis Kay, Paul Gulotta. New Orleans, LA.
- A77** **Re-Evaluation of Imaging Studies in Patients with Hepatocellular Carcinoma at a Transplant Center Impacts Patient Care**
Ara A. Kardashian, Bahar Madani, Catherine Frenette. La Jolla, CA.
- A78** **Comparison of Locoregional Therapies for Hepatocellular Carcinoma in Liver Transplant Recipients**
Melissa Chen, Benjamin Philosophe. Baltimore, MD.
- A79** **Predicting Recurrence Prior to Transplant: The Response of HCC to Chemoembolization**
Tyler Sandow, Humberto Bohorquez, David Kirsch, Paul Thevenot, Kelley Nunez, Abeer Albar, Daniel DeVun, Juan Gimenez, Gretchen Galliano, Ari Cohen, George Loss, Dennis Kay, Paul Gulotta. New Orleans, LA.

- A80** **Serum AFP Greater Than 200 ng/ml as a Predictor for Low Survival in Patients with Hepatocellular Carcinoma Recurrence in a Brazilian Multicentric Study**
Ilka F. S. F. Boin, Mariana Bina Possatto, Elaine Cristina Ataide, Renato Ferreira Silva, Rita C. M. A. Silva, Helem C. Felicio, Leandro R. N. Amado, Agnaldo Soares Lima, Tiago Seva-Pereira. Campinas, SP, Brazil; Rio Preto, SP, Brazil; Federal University of Minas Gerais, Minas Gerais, Brazil.
- A81** **Comparison of Long-Term Survival Outcome Between Primary Liver Transplantation and Hepatic Resection with Consequent Salvage Transplantation for Hepatocellular Carcinoma within Milan Criteria – A Single-Center Experience**
Kelvin K. C. Ng, Kenneth S. H. Chok, Albert C. Y. Chan, Tiffany C. L. Wong, James Y. Y. Fung, Chung-Mau Lo. Hong Kong, Hong Kong.
- A82** **Comparison of Local Recurrence Rates Between Endhole vs Anti-Reflux Catheters in Patients Undergoing DEB-TACE for Solitary LR-5 HCC Tumors**
Aravind Arepally, Lance Stein, Roshan Shrestha, Madeline Tully, Steve Citron, Arnav Cherian, Harrison Pollinger, Michael Bosley, Rubin Raymond. Atlanta, GA.
- A83** **Is There Any Difference Between ABO-Incompatible and ABO-Compatible Liver Transplantation? Oncologic Aspect**
Jee Youn Lee, Jae Geun Lee, Seung Hwan Song, Su-Kyung Kwon, Deok Gie Kim, Jung Jun Lee, Myoung Soo Kim, Gi Hong Choi, Jin Sub Choi, Dai Hoon Han, Soon Il Kim, Dong Jin Joo. Seoul, Korea; Bundang, Korea.
- A84** **Outcomes Following Transplantation for Hepatocellular Carcinoma**
Parissa Tabrizian, Kenneth R. Nakazawa, Jake G. Prigoff, Myron E. Schwartz, Sander Florman. New York, Ny.
- A85** **Expanded Criteria for HCC in Liver Transplantation**
Mehmet Haberal, Aydincan Akdur, Gokhan Moray, Gulnaz Arslan, Figen Ozcay, Haldun Selcuk, Handan Ozdemir. Ankara, Turkey.
- A86** **Favorable Long-Term Prognosis of Hepatitis B Surface Antigen Positive Intrahepatic Cholangiocarcinoma for Both Hepatic Resection and Incidental Liver Transplantation via Inhibiting Cancer-Associated Lymphangiogenesis**
Jinyang Gu, Seogsong Jeong, Meng Sha, Jianjun Zhang, Qiang Xia. Shanghai, China.
- A87** **HCC and Cardiac Cirrhosis After the Fontan Procedure in a Patient with Congenital Heart Disease and Situs Inversus**
Patrick N. Nguyen, N. Thao N. Galvan, Michael L. Kueht, Christine A. O'Mahony, Ronald T. Cotton, Abbas Rana, John A. Goss. Houston, TX.
- Deceased Donor Issues I: Allocation, KDPI and Recipient Selection**
- A88** **The American Transplant Congress Effect on Kidney Discard Rates in the United States**
Dina E. Abdelwahab, Guo Wei, Isaac E. Hall. Scottsdale, AZ; Salt Lake City, UT.
- A89** **Variations in Risk-Appetite Between UK Kidney Transplant Centres and Impact on Patient and Graft Outcomes**
Patrick B. Trotter, Matthew Robb, Dominic M. Summers, J. A. Bradley, James Neuberger, Chris Callaghan. Cambridge, United Kingdom; Bristol, United Kingdom; London, United Kingdom; Birmingham, United Kingdom.
- A90 †** **Program-Specific Offer Acceptance Behavior for Kidney Programs Across the Spectrum of KDPI**
Andrew Wey, Nicholas Salkowski, Bertram Kasiske, Ajay Israni, Jon Snyder. Minneapolis, MN.

- A91 Kidney Allograft Offers: Predictors of Turndown and the Relationship of Organ Acceptance Sequence to Kidney Allograft Survival**
Jordana Cohen, Justine Shults, David Goldberg, Deirdre Sawinski, Peter Abt, Peter Reese. Philadelphia, PA.
- A92 † An OPO Offer Acceptance Report for Hard-to-Place Kidneys**
Andrew Wey, Nicholas Salkowski, Bertram Kasiske, Ajay Israni, Jon Snyder. Minneapolis, MN.
- A93 † OPO-Wide Waitlist Size and Deceased Donor Kidney Transplant Rate**
Sheng Zhou, Allan Massie, Sommer Gentry, Dorry Segev. Baltimore, MD; Annapolis, MD.
- A94 OPO Performance Metrics: Relationship with Kidney Transplant Program Performance Metrics and Kidney Utilization**
Andrew Wey, Nicholas Salkowski, Bertram Kasiske, Ajay Israni, Jon Snyder. Minneapolis, MN.
- A95 † A Multistate Modeling Analysis of Time-Varying CPRA States and Its Impact on Kidney Transplant: A Focus on KAS Implementation**
Sanjay Kulkarni, Isaac Hall, Richard Formica, Darren Stewart, Eric Greene, Yanhong Deng. New Haven, CT; Salt Lake City, UT; Richmond, VA.
- A96 Facing Unintended Challenges of Increased Risk Donor Kidneys in a New Kidney Allocation Era**
Amir A. Rahnemai-Azar, James D. Perkins, Ajit Limaye, Nicolae Leca, Christopher D. Blosser, Christopher K. Johnson, Shane D. Morrison, Ramasamy Bakthavatsalam, Lena Sibulesky. Sattle, WA; Seattle, WA.
- A97 Donor/Recipient Matching Using the Creatinine Clearance Match Ratio (CCMR) Is Superior to the Kidney Donor Profile Index (KDPI) Predicting Early but Not Late Outcomes for Deceased Donor Kidney Transplantation**
Jeffrey Halldorson, Naser Karimi. San Diego, CA; Dublin, Ireland.
- A98 KDPI Obscures Trends in Absolute Donor Risk**
Nicholas Salkowski, Sally Gustafson, Andrew Wey, Jon Snyder. Minneapolis, MN.
- A99 Lack of Utility of KDPI in Dual Kidneys from Donors at the Extremes of Age**
Debra Felts, Muhammad Khan, Baha Alradawna, Alan Farney, Jeffrey Rogers, Giuseppe Orlando, Amber Reeves-Daniel, Amudha Palanisamy, William Doares, Scott Kaczorski, Robert J. Stratta. Winston-Salem, NC.
- A100 The Impact of the Kidney Allocation System on Outcomes for Kidneys with KDPI > 85%**
Andrew Perry, Junichiro Sageshima, Chandrasekar Santhanakrishnan, John McVicar, Christoph Troppmann, Angelo De Mattos, Jakub Woloszyn, Richard Perez. Sacramento, CA.
- A101 Outcome of Kidney Transplantation from Deceased Octogenarian Donors**
Paola Donato, Lucrezia Furian, Cristina Silvestre, Flavia Neri, Caterina Di Bella, Marianna Di Bello, Paolo Rigotti. Padua, Italy.
- A102 † Accepting a High-KDPI Kidney versus Waiting for Another Offer Can Improve Chances of a Functioning Graft**
Andrew Wey, N. Salkowski, W. Kremers, A. Israni, B. Kasiske, Jon Snyder. Minneapolis, MN; Rochester, MN.
- A103 Outcomes of Kidney Transplantation Using Deceased Diabetic Donors**
Faiza N. Khan, Wadi N. Suki, Duc T. Nguyen, Edward A. Graviss. Houston, TX.
- A104 KDPI Usefulness in Spain: A Comparison with Classical ECD/SCD**
C. Arias-Cabrales, M. J. Pérez-Sáez, D. Redondo, A. Buxeda, C. Burballa, S. Bermejo, A. Sierra, M. Mir, A. Burón, A. Zapatero, M. Crespo, J. Pascual. Barcelona, Spain.
- A105 Successful Utilization of Deceased Donor Kidney Allografts with KDPI>85: A Single Center Experience**
Avinash Agarwal, Winston Ally, Kenneth Brayman. Charlottesville, VA.

- A106** **The Use of Kidneys from Deceased Donors Over 80 Years in Kidney Transplantation**
M. J. Pérez-Sáez, E. Arcos, J. Comas, J. Pascual. Barcelona, Spain.
- A107** **Charlson Comorbidity Index (CCI) as Prognostic Indicator of Outcomes in Older Patients Undergoing Renal Transplantation**
Argiris Asderakis, Ummul Contractor, Usman Khalid, Paola Donato, Laszlo Szabo. Cardiff, United Kingdom.
- A108** **Donor Factors Show Low Impact on Patient and Kidney Allograft Outcomes: A Paired Analysis of Left/Right Deceased Donor Kidney Pairs**
Thomas Schachtner, Maik Stein, Petra Reinke. Berlin, Germany.
- A109 †** **Outcomes of Deceased Donor Kidney Transplantation in Elderly Recipients Aged 70 Years and Older**
Anna M. Adamusiak, Tracey Salter, Peter Andrews, Christopher Callaghan. London, United Kingdom.
- A110** **Impact of a Novel Prehabilitation Program in Kidney Transplant Candidates**
Mara McAdams DeMarco, Hao Ying, Anthony Nastasi, Dorry Segev. Baltimore, MD.
- A111** **Short- and Long-Term Graft Survival After Kidney Transplantation in Western Europe**
Maarten Coemans, Geert Verbeke, Dany Anglicheau, Oriol Bestard, Magali Giral, Maarten Naesens. Leuven, Belgium.
- A112** **Intended and Unexpected Impact of the New Kidney Allocation System on a Large Volume Transplant Program**
Angelo de Mattos, Muna Alnimri, Ling-Xin Chen, Junichiro Sageshima, Chandrasekar Santhanakrishnan, Richard Perez. Sacramento, CA.
- A113** **Estimating Donor Organ Quality with Baseline Histology and Kidney Donor Risk Index for Predicting Graft Outcomes in Deceased Donor Kidney Transplantation**
Kyung Sun Park, Sang Jun Park, Hojong Park, Jongha Park, Hyun Chul Chung, Misung Kim, Hong Rae Cho, Jong Soo Lee. Ulsan, Republic of Korea.
- A114** **Correlation of Donor Clinical and Histopathological Characteristics with Graft Function in Kidney Transplant Recipients**
Mareena Zachariah, Cindy Yip, Mareena Zachariah, Indika Mallawaarachchi, Alok Dweivedi, Sunil Patel, Aijaz Gundroo, John Tomaszewski, Liu Lin, Chang Shirley. Buffalo, NY; El Paso, TX.
- A115** **Reliability of Donor Kidney Biopsies from Time of Organ Recovery Compared to Immediate Post-Reperfusion Biopsies**
Meredith Barrett, Aaron Prater, Evan A. Farkash, Derrick A. Christopher, Danielle M. Fritze, Niki Matusko, Randall S. Sung, Kenneth J. Woodside. Ann Arbor.
- A116** **Zero-Time Biopsy of Potential Donor Kidneys to Aid Decision-Making: A 9-Year Single-Center Experience**
Yosu Luque, Olivier Aubert, Frank Martinez, Lucile Amrouche, Claire Tinel, Louise Galmiche, Laure-Hélène Noel, Jean-Paul Duong, François Audenet, Christophe Legendre, Dany Anglicheau, Marion Rabant. Paris, France.
- Diagnosics/Biomarkers Session I**
- A117 †** **Identification of Kidney Transplant Patients at Risk for Skin Cancer by Differentially Methylated Regions in T Cells**
Fleur S. Peters, Annemiek M. A. Peeters, Pooja R. Mandaviya, Jacqueline van de Wetering, Michiel G. H. Betjes, Carla C. Baan, Karin Boer. Rotterdam, Netherlands.

- A118 † mRNA Biomarkers in Renal Allograft Protocol Biopsies Detected by the Nanostring Platform Predict Tolerance in Non-Human Primates**
Masatoshi Matsunami, Tetsu Oura, Ivy A. Rosales, Rex-Neal Smith, Benjamin Adam, Michael Mengel, A. Benedict Cosimi, Robert B. Colvin, Tatsuo Kawai. Boston, MA; Edmonton, AB, Canada.
- A119 † Urinary Renal Progenitors Isolation: A Novel Predictor of Kidney Graft Outcome**
Anna Manonelles, O. Bestard, M. Goma, P. Romagnani, J. M. Cruzado. Barcelona, Spain; Firenze, Italy.
- A120 † Identification of NKG2D as Senescence Marker in Zero-Hour Kidney Biopsies Is Indicative for Clinical Outcome**
Thomas Resch, Julia Günther, Hubert Hackl, Arne Sattler, Susanne Ebner, Paul Ritschl, Matthias Biebl, Robert Öllinger, Stefan Schneeberger, Gerald Brandacher, Hubert Schwelberger, Bettina Zelger, Diana Stauch, Andreas Pascher, Johann Pratschke, Katja Kotsch. Innsbruck, Austria; Berlin, Germany; Baltimore.
- A121 MicroRNAs Differentiate Between Antibody and T-Cell Mediated Renal Allograft Rejection**
Thierry P. P. van den Bosch, Marian C. Clahsen-van Groningen, Farhad Rezaee, Daan Nieboer, Ewout W. Steyerberg, Carla C. Baan, Ajda T. Rowshani. Rotterdam, Netherlands.
- A122 Clusterin Levels at 3-Months Associate with DGF and 12-Month Fibrosis – Reinforcing the Early Injury to Fibrosis Continuum**
Madhav C. Menon, Luz Liriano-Ward, Nimrod Philippe, Chengguo Wei, Weijia Zhang, Zhengzi Yi, Karen Keung, Philip O'Connell, Barbara Murphy. New York, NY; Sydney, NSW, Australia.
- A123 Validation of CYP4F11 as a Marker of Accommodation in Biopsies from Recipients of an ABO-Incompatible Renal Transplant**
Katherine M. Dominy, Michelle Willicombe, Tariq Al Johani, Jack Galliford, Adam McLean, Terence Cook, Candice Roufosse. London, United Kingdom; Riyadh, Saudi Arabia.
- A124 Plasma Extracellular Vesicles MicroRNA Signatures Associate with Graft Function Recovery Post-Acute Renal Allograft Injury**
Vineela Bontha, Angela Fernandez-Pineros, Debalina Bagchi, Daniel Maluf, Erika Rhone, Valeria Mas. Charlottesville.
- A125 Human Transitional B Cell Cytokine Profile Predicts Renal Allograft Rejection and Clinical Course**
A. Cherukuri, A. Sharma, R. Mehta, S. Hariharan, David Rothstein. Pittsburgh.
- A126 Genome-Wide Genotyping in > 1500 Liver Allograft Recipient and Donor Pairs Reveals Several Associations with Acute Cellular Rejection**
Brendan J. Keating, Bao-Li Chang, Jessica van Setten, Brian Cole, Linda W. Jennings, Goram B. Klintmalm, Abraham Shaked. Philadelphia, PA; Utrecht, Netherlands; Dallas, TX.
- A127 Post-Transplant Urinary Transglutaminase 2 Is a Potent Biomarker to Predict Kidney Allograft Inflammation or Fibrosis**
Sung Shin, Yu-Mee Wee, Monica Young Choi, Yong Mee Cho, Heounjeong Go, Young Hoon Kim, Duck Jong Han. Seoul, Korea.
- A128 T Cell Responses to Viral Peptide Stimulation Predict Influenza Vaccine-Induced Seroconversion in Pediatric Solid Organ Transplant Recipients**
Erick Mayer, Michelle Altrich, Christine Cordes, Stephanie Fausett, Jonathan Tepp, Randy Albrecht, Ana Fernandez-Sesma, Betsy Herold, Irene Ramos, Rebecca Madan. Bronx, NY; Lee's Summit, MO; New York, NY.
- A129 Identification of Novel Diagnostic Biomarkers in Liver Transplantation Tolerance**
Gong-Qing Shen, Miwa Morita, Charles Miller, Koji Hashimoto, Lina Lu, Shiguang Qian, John Fung. Cleveland; Chicago.

- A130 Validation of a Novel Computational Approach for Predicting HLA Immunogenicity Based on Quantification of Structural and Surface Electrostatic Potential Differences Between Donor and Recipient HLA**
V. Kosmoliaptsis, C. Kling, M. Robb, D. Collett, J. A. Bradley, C. J. Taylor, D. Kabelitz, D. H. Mallon. Cambridge, United Kingdom; Kiel, Germany; Bristol, United Kingdom.
- A131 Quantitative Gene Expression Analysis of CRM-Panel Genes Using FFPE Kidney Tissues for Transplant Injuries**
Tara Sigdel, Mark Nguyen, Dejan Dobi, Szu-Chuan Hsieh, Juliane Liberto, Flavio Vincenti, Minnie Sarwal, Zoltan Laszik. San Francisco.
- A132 The Role of Urinary Chemokines in Distinguishing Causes of Renal Allograft Dysfunction**
Stephanie Chong, Raymond Fernando, Mark Harber, Ciara N. Magee. London, United Kingdom.
- A133 Testing the Efficacy of Contrast Enhanced Ultrasound in Detecting Transplant Rejection Using a Murine Model of Heart Transplantation**
Krisztina Fisher, Mayuko Uehara, Shunsuke Otori, Can F. Meral, Silvia Giannini, Takaharu Ichimura, Neal R. Smith, Ferenc A. Jolesz, Indira Guleria, Yongzhi Zhang, Philip Jason White, Nathan J. McDannold, Karin Hoffmeister, Michael M. Givertz, Reza Abdi. Boston.
- A134 Assessment of Donor-Reactive T-Cell Immunity by the Novel Urine Cell-Derived Alloantigen Assay Allows Prediction of Acute Rejection in Renal Transplant Patients**
Constantin J. Thieme, Benjamin Weist, Annemarie Müskes, Petra Reinke, Timm Westhoff, Nina Babel. Berlin, Germany; Bochum, Germany.
- A135 Intravoxel Incoherent Motion MRI Is an Effective Way to Monitor Acute Allograft Rejection in Rat Models**
Song Zeng, Xiaopeng Hu. Beijing, China.
- Immunosuppression**
- A136 Kidney-Specific Immunosuppression without Adverse Systemic Effects**
Dominik Kentrup, Katharina Schuette-Nuetgen, Helga Pawelski, Hermann Pavenstädt, Sven Hermann, Michael Schaefer, Gregor Larbig, Armin Kuebelbeck, Stefan Reuter. Muenster, Germany; Darmstadt, Germany.
- A137 Medicinal Herb Cordyceps Sinensis Promotes Long-Term Allograft Survival by Tipping the Balance Between CD4+FoxP3+ Tregs and CD8+ Tcm Cells**
Zhenhua Dai, Hehua Dai. Guangzhou, China; Pittsburgh, PA.
- A138 Immunosuppressive Treatment Alters Gut Microbiota and Modified Gut Microbiota Affects Immune Status**
Zijian Zhang, Yue Xu, Qiang Zhang, Xiaopeng Hu. Beijing, China.
- A139 Clinically Relevant Immunosuppression Promotes MCMV Reactivation and Dissemination Following Transplantation of Latently Infected Kidneys**
Zheng Zhang, Shixian Yan, Lihai Zhao, Sunil Kurian, Mary Hummel, Daniel Salomon, Michael Abecassis. Chicago; La Jolla.
- A140 Blockade of Tim-3 and PD-1 Reverses Dysfunctions of Tumor Infiltrating Lymphocytes in HBV Related Hepatocellular Carcinoma**
Anbin Hu, Furong Liu, Xiaofeng Zhu, Xiaoshun He. Guangzhou, China.
- A141 Targeting JAK-STAT Pathways with Tofacitinib Provides a Novel Approach for Conditioning in Allogeneic BMT Recipients**
Hong Xu, Andrea Merchak, Manting Xu, Claudia Mort, Tia Dowling, Larry Kahn, Melissa Binion, Anita Chhabra, Yujie Wen, Yiming Huang, Suzanne Ildstad. Louisville, KY.
- A142 Novel Therapies for Diabetic Kidney Disease**
Mark Nguyen, Keiichi Kodama, Minnie Sarwal. San Francisco, CA.

- A143 Differential Effects of Immunosuppressive Drugs on DNA Methylation in T Cells**
Fleur S. Peters, Annemiek M. A. Peeters, Leo J. Hofland, Michiel G. H. Betjes, Karin Boer, Carla C. Baan. Rotterdam, Netherlands.
- A144 Dexamethasone Prolongs Cardiac Allograft Survival in a Murine Model Through Myeloid-Derived Suppressor Cells**
Toshimasa Nakao, Tsukasa Nakamura, Koji Masuda, Takehisa Matsuyama, Hidetaka Ushigome, Eishi Ashihara, Norio Yoshimura. Kyoto, Japan.
- A145 D-Dimer Level, in Association with Humoral Responses, Negatively Correlates with Survival of Porcine Islet Grafts in Nonhuman Primates with Immunosuppression**
Hee Jung Kang, Haneulnari Lee, Eun Mi Park, Jong Min Kim, Byoung Hoon Min, Chung-Gyu Park. Anyang, Korea; Seoul, Korea.
- A146 Mycophenolic Acid Needs Ca²⁺ to Exert Its Anti-inflammatory Action via Shedding of Toll-Like Receptor 4 and Tumor Necrosis Factor Receptor 1**
Ji Hyun Kim, Won Seok Yang, Chung Hee Baek, Nam Jeong Han, Su-Kil Park. Seoul, Republic of Korea.
- A147 Immunosuppressive Ability of NFκB Inhibitor: Withaferin A**
Mazhar A. Kanak, Yoshitaro Shindo, Marlon Levy, Bashoo Naziruddin. Richmond, VA; Dallas, TX.
- A148 Short-Term Combination Treatment of FK506 and Anti-CD40 Ligand Remarkably Prolong Allograft Survival Time in Mouse Skin Transplantation**
Xue Zhang, Zuochuan Ding, Min Yang, Yan Miao, Yang Yang, Ping Zhou. Wuhan, Hubei, China.
- A149 Tacrolimus Suppresses Calcineurin Activity and Ca²⁺ Influx Age-Specifically**
Felix Krenzien, Markus Quante, Hirofumi Uehara, Reza Abdi, Hector Rodriguez Cetina Biefer, Moritz Schmelzle, Johann Pratschke, Abdallah Elkhail, Stefan G. Tullius. Boston; Berlin, Germany.
- A150 Tacrolimus and Mycophenolic Acid Have a Limited Inhibitory Effect on Monocyte Signaling Pathway Phosphorylation, Function and Differentiation**
Nynke M. Kannegieter, Dennis A. Hesselink, Marjolein Dieterich, Rens Kraaijeveld, Ajda T. Rowshani, Pieter J. M. Leenen, Carla C. Baan. Rotterdam, Netherlands.
- A151 New Approach for Targeted Immunotherapy in Vascularized Composite Allotransplantation**
Firuz G. Feturi, Hua Wang, Yevgeny Brudno, Vasil Erbas, Zhaoxiang Zhang, Huseyin Sahin, David J. Mooney, Vijay S. Gorantla, Raman Venkataramanan. Pittsburgh, PA; Boston, MA.
- Ischemic Injury and Organ Preservation Session I**
- A152 CD4 T Cell Depletion Mitigates Ischemic Hepatocellular Damage and Promotes Immune Regulation in Mouse Liver Allografts**
Shoichi Kageyama, Kojiro Nakamura, Ronald W. Busuttil, Jerzy W. Kupiec-Weglinski, Yuan Zhai. Los Angeles, CA.
- A153 Hypoxia Induces Tissue Factor Upregulation in Isolated Human Islets**
Bynwant Sandhu, Maria Prendecki, Guy Rutter, Aida Martinez-Sanchez, Nisha Kanda, Neil Galloway-Phillips, Richard Smith, Charles Pusey, Vassilios Papalois. London, United Kingdom.
- A154 Twelve Hour Ex Vivo Normothermic Perfusion for the Assessment of High-Risk Discarded Deceased Donor Kidneys**
Ivonne J. Palma, Ivania Palma, Yulia Smolin, Sandra K. Kabagambe, Andrew Perry, Junichiro Sageshima, Richard V. Perez. Sacramento, CA.
- A155 Enhanced Liver Regeneration After Partial Hepatectomy in Mice Treated with a Prolyl Hydroxylase Inhibitor**
Jessica Latona, Ashesh Shah, Jing Cheng, Phillip Messersmith, Ellen Heber-Katz. Philadelphia, PA; Berkeley, CA; Wynnewood, PA.

- A156 Neutering Worsens Liver Ischemia/ Reperfusion Injury in Both Male and Female Mice**
Douglas R. Murken, David D. Aufhauser Jr, Seth Concors, Zhonglin Wang, Guanghui Ge, Wayne W. Hancock, Matthew H. Levine. Philadelphia, PA.
- A157 Contribution of $\gamma\Delta$ T-Cell Subsets and IL-17A Release to Ischemia Reperfusion Injury (IRI) and Kidney Allograft Rejection in Mice**
Anja Thorenz, Song Rong, Nicole Völker, Rongjun Chen, Jan Hinrich Bräsen, Hermann Haller, Christian Klemann, Faikah Gueler. Hannover, Germany.
- A158 The Use of a Furosemide Stress Test (FST) for Assessment of Discarded Deceased Donor Kidneys in an Ex-Vivo Normothermic Perfusion Model**
Ivonne J. Palma, Yulia Smolin, Sandra K. Kabagambe, Andrew Perry, Ivania Palma, Junichiro Sageshima, Richard V. Perez. Sacramento, CA.
- A159 Direct Intrahepatic Delivery of Pegylated-Catalase Is Protective in a Rat Ischemia-Reperfusion Injury Model**
Eliza W. Beal, Sylvester M. Black, Jung Lye Kim, Victoria M. Velazquez, Kenneth Washburn, Don Hayes Jr., Bryan A. Whitson. Columbus, OH.
- A160 A Promising MyD88 Inhibitor TJ-M2010-2 Protects Heart from Myocardial Ischemia Reperfusion Injury**
Yan Miao, Lin Xie, Xue Zhang, Zuo-chuan Ding, Min Yang, Yang Yang, Ping Zhou. Wuhan, Hubei, China.
- A161 Role of Protease Activated Receptor 1 and Sphingosine-1-Phosphate Receptor 1 in Mice Hepatic Ischemia-Reperfusion Injury for Targeting Cell Signal Pathways of Activated Protein C**
Takahiro Ito, Naohisa Kuriyama, Hiroyuki Kato, Yusuke Iizawa, Akihiro Tanemura, Yasuhiro Murata, Yoshinori Azumi, Masashi Kishiwada, Shugo Mizuno, Masanobu Usui, Hiroyuki Sakurai, Shuji Isaji. Tsu, Japan.
- A162 Nox4 and Oxidative Stress Mediate TGF- β 1 Induced Human Kidney Proximal Cell Apoptosis in Ischemic Reperfusion Injury**
Se-Hee Yoon, Sungkwon Cho, Dong-Il Kim, Sung-Ro Yoon, Won-Min Hwang, Seong-Lan Yu, JaeKu Kang. Daejeon, Republic of Korea; Daejeon, Republic of Korea.
- A163 GSK3 β and VDAC in Endoplasmic Reticulum Stress and Apoptosis Modulation During Orthotopic Liver Transplantation**
Mohamed Amine Zaouali, Arnau Panisello Roselló, Emma Folch Puy, Alexandre Lopez, Anabela Pinto Rolo, Carlos Castro, Carlos Marques Palmeira, Agustín Garcia-Gil, René Adam, Joan Roselló-Catafau. Barcelona, Spain; Paris, France; Coimbra, Portugal; Zaragoza, Spain; Monastir, Tunisia.
- A164 How to Promote Regeneration After Ischemic Reperfusion Injury: Dual Role of CD 137 Agonistic Antibody**
Jong Soo Lee, Hye Jeong Kim, Hyun Chul Chung, Kyung Sun Park, Bung Suk Kwon, Hong Rae Cho. Ulsan, Korea.
- A165 Nafamostat Mesilate Ameliorates Ischemia-Reperfusion Renal Injury via Anti-Apoptotic Mechanism**
Dae Eun Choi, Jing Young Jeong, Hong Jin Bae, Young Rok Ham, Kang Wook Lee, Ki Ryang Na. Daejeon, Korea.
- A166 Down-Regulation of Nuclear HMGB1 by Small Interfering RNA Protects Against Liver Ischemia-Reperfusion Injury**
Guangyuan Zhao, Cheng Fu, Lu Wang, Lan Zhu, Song Chen, Gang Chen. Wuhan, Hubei, China.
- A167 Steatotic Human Livers Show Inferior Function Compared to Non-Steatotic Livers During *Ex-Situ* Viability Assessment by Oxygenated Machine Perfusion**
Negin Karimian, Viola Huang, Fermin Fontan, Mohamed M. Aburawi, Sharon Geerts, Safak Mert, Irene Beijert, Robert J. Porte, Martin Yarmush, Korkut Uygun, James F. Markmann, Heidi Yeh. Boston; Groningen, Netherlands.

- A168 Succinate Accumulation During Warm and Cold Ischemia in Mouse, Pig and Man: Mechanistic and Therapeutic Implications for Transplant Ischemia-Reperfusion Injury**
Jack Martin, Ana Costa, Anja Gruszczuk, Mazin Hamed, Nikitas Georgakopoulos, Gavin Pettigrew, Andrew James, Christian Frezza, Mike Murphy, Kourosh Saeb-Parsy. Cambridge, United Kingdom.
- A169 Protective Effect of Crepidiastrum denticulatum Extract Pretreatment Against Hepatic Ischemia-Reperfusion Injury in Mice**
Hyuk Jai Jang, Hwa Mee Lee, Cheon Soo Park, Dae Un Eom, Ji Hwan Lee, Mee Young Oh, Ji Hye Yoo, Chu Won Rho. Gangneung, Gangwon, Korea.
- A170 Protective Effects of Bryostatin-1 on Neutrophil Migration in an *In Vitro* Model of Ischemia Reperfusion Injury: Impact for Therapy**
Felix Becker, Linus Kobschull, Trevor Castor, Daniel Palmes, Steve Alexander, Felicity Gavins. Münster, Germany; Shreveport, LA; Woburn, MA.
- A171 Clearance of Transaminases During Normothermic Ex Vivo Liver Perfusion**
Mariusz Bral, Nader S. Aboelnazar, Boris Gala-Lopez, Sanaz Hatami, Darren H. Freed, Andrew Mark J. Shapiro. Edmonton, AB, Canada.
- A172 Liver Regeneration in Porcine Hepatectomy Model**
Harvey S. Chen, DongJin Joo, Mohammed Shaheen, Jian Yang, Scott L. Nyberg. Rochester, MN.
- A173 Ischemia Reperfusion Injury (IRI) Causes Local Release of Free Heme Which Aggravates Inflammation and Contributes to Delayed Graft Function**
Faikah Gueler, Rongjun Chen, Anja Thorenz, Kuku Madyaningrana, Jan Hinrich Bräsen, Hermann Haller, Stephan Immenschuh, Vijith Vijayan. Hannover, Germany.
- Kidney Complications I**
- A174 Low Dose Valganciclovir for CMV Prophylaxis in the First Year of Kidney Transplantation**
Patrick Klem, Lana Al-Omar, James Cooper, Scott Davis, Jane Gralla, David Choe, Alexander Wiseman. Aurora, CO; Aurora.
- A175 Results of Stem Cell and Renal Transplantation in Patients with End Stage Renal Disease After Plasma Cell Dyscrasias**
Candela Moliz, Beatriz Redondo, Maria Molina, Enrique Morales, Esther Gonzalez, Jimena Cabrera, Amado Andres. Madrid, Spain; Montevideo, Uruguay.
- A176 On the Pathogenesis of Post-Transplant Diarrhea in Kidney Transplant Recipients**
John Lee, Matthew Mcgruder, Lisa Zhang, Muthukumar Thangamani, Darshana Dadhania, Lars Westblade, Michael Satlin, Amy Robertson, Lilan Ling, Ying Taur, Eric Pamer, Manikkam Suthanthiran. NY, NY.
- A177 NKG2C+ NK Cell Adaptive Response and the Risk of Cytomegalovirus Infection in Kidney Transplant Recipients**
Dolores Redondo, Marta Crespo, Jose Yélamos, Aura Muntasell, María José Pérez-Sáez, Carlos Vilchez, Julio Pascual, Miguel Lóez-Botet. Barcelona, Spain.
- A178 The Feared Five Fungal Infections in Kidney Transplant Recipients: 20-Year Experience at a Midwestern Center**
Sandesh Parajuli, Alexandra Wick, Sameer Pandeya, Brad C. Astor, Jeannina Smith, Arjang Djamali, Didier Mandelbrot. Madison, WI.
- A179 Postoperative Serum Lactate Dehydrogenase Is a “Troponin-Like” Marker of Renal Transplant Distress**
Robert Steiner, Jeffrey Halldorson. San Diego, CA.

- A180 Risk Factors for Hospital Readmission with Urinary Tract Infections (UTIs) Following Kidney Transplantation (KT)**
E. Minja, S. Jackson, Arthur Matas. Mpls, MN.
- A181 Course and Outcome of Renal Transplant Recipients Admitted to the Intensive Care Unit (ICU): Long Term Follow-Up**
Amgad E. El-Agroudy, Asma M. Alqahtani, Balij Dandi, Eman Farid, Ali H. Alaradhi. Manama, Bahrain.
- A182 Chronic Hepatitis E-Genotype 3 Infection in Transplant Recipients: A Single Kidney and Pancreas Transplant Centre Experience**
Andreas Kousios, Rawya Charif, Emilie Sanchez, Shahid Khan, Fiona Regan, Samreen Ijaz, David Muir, Belinda Smith, Richard S. Tedder, David Taube, Jack Galliford. London, United Kingdom.
- A183 Impact of Cytokine Gene Polymorphism on Clinical Outcome of Renal Transplantation**
Isabel I. Pérez-Flores, Jose Luis J. L. Santiago, Angeles M. A. Moreno Dela Higuera, Natividad N. Calvo, Beatriz B. Rodriguez-Cubillo, Elena E. Urcelay, Amir A. Shabaka, Marta M. Calvo, Ana A. Sanchez-Fructuoso. Madrid, Spain.
- A184 Transcriptomic Analysis Revealed a Fibrotic Role of Epithelial Cells Originated from the Recipient in Kidney Transplant**
Weijia Zhang, Zhengzi Yi, Eli Stahl, Madhav Menon, Karen L. Keung, Ke Hao, Philip J. O'Connell, Barbara Murphy. New York, NY; Sydney, Australia.
- A185 Bacteremia in Kidney Transplant Recipients: Incidence, Risk Factors and Outcomes**
Sandeep Brar, Yue Wang, Alyssa Cannitelli, Yanhong Li, Olusegun Famure, Shahid Husain, Joseph Kim. Toronto, ON, Canada.
- A186 Antibiotic Prophylaxis Against Urinary Tract Infections After Renal Transplant**
Patrick Klem, Jane Gralla, Davis Chang, Alexander Wiseman, Scott Davis, James Cooper. Aurora, CO.
- A187 Solid Organ Cancer After Kidney Transplantation: Risk Factors and Long Term Impact**
Anna Buxeda, Dolores Redondo, María José Pérez-Sáez, Alvaro Bartolomé, Marisa Mir, Ana Pascual, Anna Sans, Marta Crespo, Julio Pascual. Barcelona, Spain.
- A188 Donor Derived and BK Virus Positive Urologic Cancers After Renal Transplantation**
Vivan Hellström, Gunnar Tufveson, Anna Carin Wallgren, Angelica Loskog, Erik Larsson, Thomas Töttermann, Mats Bengtsson, Anna Laurell, Christina Lundberg, Benny Holmström, Gunilla Enblad, Tomas Lorant. Uppsala, Sweden.
- A189 Subclinical Rejections in Kidney Transplant Recipients Treated with Direct Acting Antiviral Agents for Hepatitis C Treatment within 1 Year of Transplant**
Tanvi Rege, Kamel Hatahet, Avrum Gillespie, Mythili Ghanta, Iris Lee, Kamran Qureshi, Kwan Lau, Sunil Karhadkar, Antonio DiCarlo, Serban Constantinescu, Swati Rao. Philadelphia, PA.
- A190 Kidney Transplant Allocation with CMV Matching Reduces CMV Infection and Related Costs**
Joseph B. Lockridge, Eric D. Langewisch, Debargha Basuli, Ali Olyaei, Carley Shaut, Douglas J. Norman. Portland, OR; Omaha, NE.
- A191 De Novo DSA Positivity Is Associated with a Higher Rate of Post-Transplant Bacterial and Viral Infections**
Amanda Brooks, Lorita Rebellato, Kimberly Briley, Paul Bolin, Scott Kendrick, Angela Maldonado, Carl Haisch, Matthew Everly. Los Angeles; Greenville, NC.
- A192 Kidney Allocation Using CMV Matching Optimizes Low and High Risk Profiles for Prevention of CMV Infection in Kidney Transplant Recipients**
Joseph B. Lockridge, Eric D. Langewisch, Debargha Basuli, Ali Olyaei, Carley Shaut, Douglas J. Norman. Portland, OR; Omaha, NE.

- A193 The Impact of Elevated Doppler Resistive Indices in Renal Transplant Recipients with Delayed Graft Function**
David Mikhail, Ernest Chan, Ghaleb Aboalsamh, Sean Cruise, Shahid Aquil, Mahms Mohamed, Alp Sener, Patrick Luke. London, ON, Canada.
- A194 Occult Hepatitis C Virus in Recipients of Kidney Transplantation: Prevalence and Clinical Implications**
C. Jimenez, T. Olea, M. O. Lopez, I. Castillo, J. Bartolomé, J. A. Quiroga, E. Gonzalez, V. Carreño, R. Selgas. Madrid, Spain.
- A195 Diagnostic Bronchoscopy in Kidney Transplant Recipients with Acute Respiratory Failure: Risk or Value?**
Dmytro Khadzhynov, Jonas Deissler, Fabian Halleck, Lukas Lehner, Klemens Budde, Oliver Staeck. Berlin, Germany.
- A196 Kinetic Estimation of Glomerular Filtration Rate and Urine Creatinine as Predictors of Delayed Graft Function in Kidney Transplantation from Non-Heart Beating Donors**
Marta M. Calvo, Maria Angeles M. A. Moreno De La Higuera, Virginia V. Lopez De La Manzanara, Amir A. Shabaka, Marisol M. Poma, Isabel N. Perez-Flores, Natividad N. Calvo Romero, Beatriz M. Rodríguez-Cubillo, Ana Isabel A. I. Sanchez-Fructuoso. Madrid, Spain.
- A197 Post Transplant Outcomes in Hepatitis C Positive Patients**
M. Lubetzky, N. Hayde, L. Kamal, M. Ajaimy, P. Bedi, G. Deboccardo, J. Rocca, S. Greenstein, J. Graham, A. Chokeyachaisakul, A. Courson, M. Kinkhabwala, E. Akalin. Bronx.
- A198 Risk Prediction Model for Delayed Graft Function in a Cohort of Brazilian Kidney Transplantation from Deceased Donors: What You See Is Not What You Get**
Silvana Costa, Taina Sandes-Freitas, Elizabeth Daher, Ronaldo Esmeraldo. Fortaleza, Brazil.
- A199 Sexual Acquisition of HIV-Infection After Kidney Transplantation: Late Presentation and Potentially Fatal Complications**
Marina P. Cristelli, Marcello S. J. Ribeiro, Daniel W. C. L. Santos, Milene A. Mazolin, Helio Tedesco-Silva, Jose O. Medina-Pestana. Sao Paulo, Brazil.
- A200 Highly Sensitized Patients and the Association of Early Cardiovascular Disease: Analysis of Korean Organ Transplantation Registry(KOTRY) Data**
Jong Cheol Jeong, Jaeseok Yang, Myoung Soo Kim, Sung Shin, Byung Ha Chung, Seungyeup Han, Curie Ahn. Suwon, Korea; Seoul, Korea; Daegu, Korea.
- A201 Prediction of Delayed Graft Function in Chinese Kidney Allograft Recipients**
Huanxi Zhang, Shuhang Qin, Linli Zheng, Longshan Liu, Changxi Wang. Guangzhou, China.
- A202 HIV and Cognitive Impairment in Kidney Transplant Candidates**
Ashton Shaffer, Hao Ying, Christine Haugen, Mara McAdams DeMarco, Dorry Segev. Baltimore.
- A203 Ciprofloxacin for Urinary Tract Infection Prophylaxis in Post-Renal Transplant Patients with Ureteral Stent Placement**
Payal P. Kakadiya, Marlon F. Levy, Gaurav Gupta, Anne L. King, Spencer B. LeCorchick. Richmond, VA.
- A204 Impact of Filgrastim Use on Maintenance Doses of Immunosuppressants and Clinical Outcomes in Renal Transplant Patients**
Clare Kane, Kyle Lang, TrisAnn Rendulic, Megan E. Goetz, Rickey A. Evans, Kimberly Trobaugh, Jonathan C. Berger. Lexington, KY.
- A205 Poor Predictability of Quantiferon-TB Assay in Recipients and Donors for Tuberculosis Development After Kidney Transplantation in an Intermediate-TB-Burden Country**
Jaeseok Yang, Jung Hwa Ryu, Joon Young Jang, Jae-Ghi Lee, Curie Ahn. Seoul, Republic of Korea.

- A206 Cost Effectiveness of Post-Prophylaxis Screening Strategies for Cytomegalovirus Viremia in CMV D+R-Kidney Transplant Recipients**
Chethan M. Puttarajappa, Sundaram Hariharan, Kenneth J. Smith. Pittsburgh, PA.
- A207 Prevalence and Clinical Outcomes in Kidney Transplant Patients with Viral and Fungal Opportunistic Infections and Malignancy**
M. Lubetzky, N. Hayde, L. Kamal, M. Ajaimy, P. Bedi, G. Deboccardo, E. Akalin. Bronx.
- A208 Down but Not Out: Leucopenia Can Be Safely Treated with Reduction in Immunosuppression without Increasing Risk to the Kidney Allograft**
Alexander Gilbert, Ana Vergottini, Abdullah Karabala, Monica Grafals, Basit Javaid, Jack Moore, Jennifer Verbese, Peter Abrams, Seyed Ghasemian, Matthew Cooper. Washington, DC.
- A209 Incidence and Risk Factors for Cervical Dysplasia Associated to Human Papillomavirus Infection in Women with Kidney Transplant**
Idalia Parra-Avila, Josefina Alberu, Lluvia A. Marino-Vazquez, Luis E. Morales-Buenrostro, Rodrigo J. Rosado-Canto. Mexico City, Mexico.
- A210 † The Incidence, Mortality and Prediction Model for Fractures After Kidney Transplantation in the United States**
Xinran Liu, Sunjae Bae, Mara McAdams DeMarco, Dorry Segev. Baltimore, MD.
- A211 Neutropenia in Kidney and Liver Transplant Recipients: Risk Factors and Consequences**
T. A. Mavrankanas, M. A. Fournier, S. Clairou, J. A. Amiel, D. C. Vinh, C. Coursol, D. J. G. Thirion, M. Cantarovich. Montreal, QC, Canada.
- A212 † Depressive Symptoms, Physical Frailty and Kidney Transplant Adverse Outcomes**
Jonathan Konel, Fatima Warsame, Hao Ying, Christine Haugen, Mara McAdams DeMarco, Dorry Segev. Baltimore, MD.
- Kidney: Polyoma**
- A213 Which Is More Nephrotoxic to Kidney Transplants: BK Nephropathy or Rejection?**
Sandesh Parajuli, B. Astor, D. Kaufman, B. Muth, M. Mohamed, N. Garg, A. Djamali, D. Mandelbrot. Madison.
- A214 Alemtuzumab Induction Is Associated with a Lower Incidence of BK Virus Nephropathy Compared with IL2RA Induction**
Alexander P. Gueret-Wardle, Sevda Hassan, Gaetano Lucisano, Candice Roufousse, Michelle Willicombe, David Taube. London, United Kingdom.
- A215 Full Dose Cyclosporine Permanently Reverses Uncontrolled BK Viremia That Is Refractory to Tacrolimus Minimization**
Andres R. Caero, Mita Shah, Dianne McKay, Janice Kerr, Jennifer Joliat, Eileen Chatfield, Robert Steiner. San Diego, CA.
- A216 Immunosuppressive Regimen Modification Approaches in BK Nephropathy – A Comparative Study**
Hiba Ahmed, Andrea Roche-Recinos, Cinthia Drachenberg, Richard Ugarte, Nadiesda Costa, Manju Mavanur, Beje Thomas, Abdolreza Haririan. Baltimore, MD.
- A217 Impact of Everolimus Added to a De Novo Belatacept Regimen on the Risk of BK Viremia After Kidney Transplant**
Christian Larsen, Mohamed Alseiri, Sindhu Chandran, Flavio Vincenti, David Wojciechowski. Boston, MA; San Francisco, CA.
- A218 BK Polyoma Virus and Malignancy: Cause or Co-Incidence?**
Rohini Prashar, Alpa Shah, Diana Stewart, Sean Williamson, Anita Patel. Detroit, MI.
- A219 BK Viruria Levels within 3 Months Post Renal Transplantation Can Predict the Development of BK Viraemia**
Nicole M. Lioufas, Rosemary Masterson, Peter Hughes. Parkville, Victoria, Australia.

- A220** **Increased Gene Expression of TGF- β in Peripheral Blood Mononuclear Cells from Renal Transplant Patients with Polyomavirus BK Viremi**
Wen Yao Yin. Dalin, Taiwan; Hualien, Taiwan.
- A221 †** **Poor Outcome of Polyomavirus -Associated Nephropathy with Glomerular Parietal Epithelial Cells Infected by Polyomavirus**
Gang Huang, Wenfang Chen, Jiang Qiu, Xutao Chen, Lizhong Chen, Changxi Wang. Guangzhou, China.
- A222** **Defining a BKV Cutt-Off and Profile for Early Detection of BKV Associated Nephropathy**
Camila H. Nihei, Fabiana Agena, Flavio J. Paula, Daisa S. R. David, Maria Cristina D. C. Fink, Ligia C. Pierrotti, Elias David-Neto. São Paulo, SP, Brazil.
- A223** **Does Histologic Grade in BK Polyoma Nephropathy Associate with Viral Load, Allograft Dysfunction or Allograft Loss? A Single Center Experience**
Melissa L. Swee, Sarat Kuppachi, Mony Fraer, Prerna Rastogi, Patrick Ten Eyck, M. Lee Sanders. Iowa City, IA.
- A224** **Treatment and Outcomes of Simultaneous Acute Rejection and Polyomavirus Allograft Nephropathy**
Tracy M. Sparkes, Sara Hammad, Cinthia B. Drachenberg, Abdolreza Haririan. Baltimore, MD.
- A225** **Role of Chemokines in Resolution of BK Virus-Associated Nephropathy and Chronicity of Pathology Changes in Kidney Transplant Recipients**
J. Zuckerman, F. Palma Diaz, C. Magyar, B. Abdalla, E. Lum, S. Bunnapradist, T. Pham, G. Dannovitch, J. Veale, H. A. Gritsch, E. F. Reed, J. Schaenman. Los Angeles, CA.
- A226** **Improvement in Inflammatory Response Follows Clearance of BKVN**
E. Abuhelaiqa, S. Salvatore, J. B. Lee, J. R. Lee, T. Muthukumar, S. Seshan, D. Dadhania. NY, NY.
- A227 †** **Clinical Utility of Viral miRNA in Urinary Exosomes to Diagnose BK Virus Nephropathy After Kidney Transplantation**
Jung-Woo Seo, Yu Ho Lee, Haena Moon, Yang Gyun Kim, Kyung-Hwan Jeong, Ju-Young Moon, Chan-Duck Kim, Jae Berm Park, Byung Ha Chung, Young-Hoon Kim, Sang-Ho Lee. Seoul, Republic of Korea; Daegu, Republic of Korea; Pusan, Republic of Korea.
- A228** **The Search for a Polyomavirus BK Nephropathy (BKPyVN)-Specific Transcriptomic Signature**
Ling Pan, Gang Zeng, Zili Lyu, Yuchen Huang, Parmjeet Randhawa. Nanning, Guangxi, China; Pittsburgh, PA.
- Living Donor Kidney Transplant I**
- A229 †** **Impact of Pre-Donation eGFR on Long-Term Post-Donation eGFR in Younger Living Kidney Donors**
D. M. Vock, H. N. Ibrahim, A. J. Matas. Mpls, MN.
- A230 †** **Cross-sectional and Serial Evolution of Quality of Life in Elderly Kidney Donors**
S. Ake, D. Berglund, S. Jackson, A. J. Matas, C. R. Gross, Hassan Ibrahim. St. Paul; Mpls.
- A231 †** **Predictive Value of Pre-Transplant Cross-Match Techniques on Living Donor Kidney Transplant Outcomes**
Maria Meneghini, Edoardo Melilli, Ignacio Revuelta, Raja Rajalingam, Elizabet Rigol, Sindhu Chandran, Fritz Diekmann, Flavio Vincenti, Josep Maria Cruzado, Jaume Martorell, Oriol Bestard. Barcelona, Spain; San Francisco.
- A232 †** **Impact of Post Kidney Donation Gout on eGFR and Kidney Stones**
B. Sengupta, J. Menk, Arthur Matas. Mpls, MN.
- A233 †** **Fibromuscular Dysplasia in Living Kidney Donors: Characteristics and Recipient Outcomes**
Maria L. Gonzalez Suarez, Hatem Amer, Insara Jaffer, Terri Vrtiska, Andrew Rule, Mikel Prieto, Stephen Textor. Rochester, MN.

- A234 Impact of Race on Selection of the Living Donor Candidate**
Dominique Bohorquez, Arwin Thomasson, Paige Porrett. Philadelphia, PA.
- A235 Outcome of Adult Living Donor Renal Transplants in Different Era: Analysis of UNOS Database**
Vaughn E. Whittaker, Rainer Gruessner, Mark Laftavi, Zeki Acun, Angelika Gruessner. Syracuse, NY.
- A236 Reasons for Ineligibility for Kidney Donation by Race: Gap for Blacks Represented by Modifiable Factors, However Are Big Hurdles to Overcome**
Dinee Simpson, Matthew Levine, Sandra Amaral. Philadelphia, PA.
- A237 Minor Degree of Persistent Microscopic Hematuria in Potential Living Kidney Donors Is Associated with Pathology**
Vineeta Kumar, Manish Saha, Jayme Locke, Robert Gaston, Michael Hanaway. Birmingham.
- A238 Functional Gain in eGFR Among Living Kidney Donors and Its Association with Remaining Kidney Volume**
Syed A. Hussain, Ali Khalil, Muhammad S. Yaqub, Tim Taber, Oluwafisayo Adebisi, Chandru Sundaram, John Powelson, William Goggins, Alejandro Diez, Asif Sharfuddin. Indianapolis.
- A239 Predicting Residual Renal Compensation in Living Kidney Donors Post-Donation**
Alejandro Diez, Garrett Diltz, Jon Von Visger, Uday Nori, Todd Pesavento, Ronald Pelletier. Columbus, OH.
- A240 Retroactive Application of a New Risk Index for Living Donor Kidney Transplantation (LKDPI) to Renal Transplants in Veracruz, Mexico**
Gustavo Martinez-Mier, Ernesto Soto-Miranda, Sandro F. Avila-Pardo, Luis F. Budar-Fernandez, Marco T. Mendez-Lopez, Pedro I. Moreno-Ley, Edgar G. Aguilar-Sandoval, Geovanna Coello-Torres, Flavio E. Diaz-Trueba. Veracruz, Mexico.
- A241 Donor Kidney Volume Predicts One and Three Month eGFR in Live Donor Kidney Transplant Recipients**
David Al-Adra, Maria Lambadaris, Andrew Barbas, Yanhong Li, Nicolas Goldaracena, Olusegun Famure, S. Joeseph Kim, Anand Ghanekar. Toronto, ON, Canada.
- A242 Donor and Recipient Outcomes with Trans-Umbilical Laparoendoscopic Single-Site Donor Nephrectomy**
Hany M. El Hennawy, Ahmed E. Fahmy. Jeddah, Saudi Arabia.
- A243 Benefits of Expanding Options for Patients Registered in the Kidney Paired Donation Program**
Stanislaw Stepkowski, Beata Mierzejewska, Dulat Belbolsynov, Caitlin Baum, Jonathan Kopke, Robert Brunner, Susan Rees, Michael Rees. Toledo, OH.
- A244 IgG Antibody Subclasses in Potential Renal Transplant Recipients with DSA, AHG-CDC CxM Negative and FxM Positive or Negative with Their Potential Donors**
Alan G. Contreras, Aurora Casillas, Luis Llorente, Guadalupe Lima, Adriana Arvizu, Adrian De Santiago, Mario Vilatoba, Josefina Alberu, Jose M. Arreola-Guerra. Mexico City, Mexico.
- A245 Renal Function Outcomes of Hypertensive Living Kidney Donors (HLD) and Recipients of HLD Kidneys: Results of a Case-Control Study**
Todd E. Pesavento, A. Diez, R. Pelletier, U. Nori, J. VonVisger. Columbus, OH.
- A246 Influence of an Enhanced Recovery Protocol in Laparoscopic Living Donor Nephrectomy**
Aparna Rege, Deepak Vikraman, Kadiyala Ravindra, Todd Brennan, Harold Leraas, Debra Sudan. Durham, NC.

A247 C3d Assay Result in Potential Transplant Recipients with HLA-DSA, AHG-CDC CxM Negative and FxM Positive or Negative with Their Potential Donors

Alan G. Contreras, Aurora Casillas, Natalia Castelan, Norma Gonzalez-Tableros, Mayra Lopez, Adriana Arvizu, Adrian De Santiago, Josefina Alberu, Jose M. Arreola-Guerra. Mexico City, Mexico.

A248 The Impact of Marginal Factors on the Postoperative Kidney Function of Complex Living Donors for Kidney Transplantation

Takahisa Hiramitsu, Kenta Futamura, Manabu Okada, Makoto Tsujita, Norihiko Goto, Shunji Narumi, Yoshihiko Watarai. Nagoya, Aichi, Japan.

A249 Living Kidney Transplant: The Influence of Intraoperative Hemodynamics on Delayed Graft Function

Ryan Schutt, Jamie Case, Bethany Barrick, Alice Toll, Christopher Marsh. La Jolla, CA; Richmond, VA.

A250 Longer Pre-Transplant Dialysis Exposure Is More Frequent in Living Donor Kidney Transplantation (LDTX) Involving Lower Income Donor and Recipients and Is Associated with an Increased Risk of LDTX Failure

Jagbir Gill, Caren Rose, Julie Lesage, Yayuk Joffres, John Gill. Vancouver, Canada.

A251 Non-Directed Donors (NDD) Less Than 25 Years

D. Larson, J. Wiseman, A. Roman, D. Berglund, H. N. Ibrahim, Arthur Matas. Mpls.

A252 Integration of Kidney-Exchange, (Un)Specified Living Donor Transplantation, ABO Incompatible and Desensitisation Programs in a Computerized Allocation Program: A Simulation

M. de Klerk, J. Kal, S. Middel, J. van de Wetering, M. Kho, M. Betjes, W. Zuidema, D. Roelen, K. Glorie, J. Roodnat. Rotterdam, Netherlands; Leiden, Netherlands.

A253 Risk Factors and 2 Year Outcomes of Low Estimated Glomerular Filtration Rate in the Immediate Post-Operative Period for Living Kidney Donors

Hirak Pahari, Shunji Nagai, Kazuhiro Takahashi, Francis Tinney, Jason Denny, Lauren Malinzak, Michael Rizzari, Kelly Collins, Atsushi Yoshida, Marwan Abouljoud, Dean Kim. Detroit.

A254 † Obesity Predicts New-Onset Diabetes After Live Kidney Donation

Krista Lentine, A. Naik, N. Lam, M. Schnitzler, H. Xiao, D. Axelrod, G. Hess, B. Kasiske, A. Garg, S. Gustafson, D. Brennan, D. Segev. St. Louis; Ann Arbor; Edmonton, Canada; Greenville; Philadelphia; Minneapolis; London, Canada; Baltimore.

Organ Preservation and Reperfusion

A255 † α -Lipoc Acid Improve the Short Term Outcomes in Human Liver Transplantation

Paola C. Casciato, Nella Ambrosi, Caro Fiorella, Monica Vasquez, Adrian C. Gadano, Martin de Santibañes, Eduardo de Santibañes, Marcos Zandomeni, Magali Chahdi, Juan Cruz Laquinandi, Patricia Santofimia Castaño, Juan Iovanna, Eduardo Chuluyan, Claudio Incardona. Buenos Aires, Argentina; Marseille, France.

A256 † The Use of an Haemoglobin Based Oxygen Carrier in a Human Liver Model of Normothermic Machine Perfusion

Yuri Longatto Boteon, Richard Laing, Ricky H. Bogal, D. A. H. Neil, A. Smith, B. T. F. Stephenson, A. Schlegel, S. G. Hübscher, D. F. Mirza, S. C. Afford, H. Mergental. Birmingham, United Kingdom.

A257 Impact of Early Allograft Dysfunction on Graft and Patient Outcomes After Liver Transplantation

Zhiyong Guo, Danping Zheng, Xiaoshun He, Guodong Chen. Guangzhou, China.

A258 The Delivery of Stem Cell Therapy to Extended Criteria Donor Human Livers Using Normothermic Machine Perfusion
Richard W. Laing, Samantha R. Stubblefield, Bhogal H. Ricky, Stephenson T. F. Barnaby, Mohammed Alfaifi, Anthony E. Ting, Darius F. Mirza, Philip N. Newsome, Hynek Mergental, Simon C. Afford. Birmingham, United Kingdom; Cleveland, OH.

A259 Development of an Automatic Regulated Normothermic Kidney Preservation Device for Long-Term Organ Perfusion
Annemarie Weissenbacher, Olga Boubriak, Letizia Lo Faro, Rutger Ploeg, James Hunter, Daniel Voyce, Nikolay Mikov, Andrew Cook, Constantin Coussios, Peter Friend. Oxford, United Kingdom.

A260 Effect of Epigenetic Modifications in Ischemia-Reperfusion-Injury Post Liver Transplantation: An Integrative Approach
Debalina Bagchi, Sai Vineela Bontha, Mikhail Dozmorov, Angela Fernandez, Valeria Mas, Daniel Maluf. Charlottesville; Richmond.

A261 Human Organs Allocated for Research – Maximising Use of a Precious Resource Using a New *Ex Vivo* Model of Reperfusion Injury
Bynvant Sandhu, Henry Bishop, Dennis Loja, Neil Galloway-Phillips, Jim Crawley, Charles Pusey, Vassilios Papalois. London, United Kingdom.

A262 Modulating Ischemia-Reperfusion Injuries with Pharmacological Agents: A Bench-to-Bedside Approach
Meryl Thomas, Gwenaelle Tardif, Antoine Melanger, Patrick Berna. Marseille, France.

A263 Effect of Bone Marrow Derived Mesenchymal Stem Cells on Renal Ischemia-Reperfusion Injury in Rabbit
JongSu Jang, HyongGun Ri, In Chul Hong. Pyongyang, Democratic Peoples Republic of Korea.

A264 A Study on Gene Expression of the Protective Effect of Nitric Oxide Releasing Nanofiber in Rat Renal Ischemia-Reperfusion Injury
Hyung Joon Ahn, Sun Hyung Joo, Hyun Min Ko, Kyung Hwan Jung, Jae Ho Shin. Seoul, Korea.

A265 Using Scheduled Commercial Flights for Transport of Liver for Transplant
Vivek Gupta, Abhijit Chandra, Manmeet Singh, Vishal Gupta, Saket Kumar, Pradeep Joshi, Partha Sarthi Sen Sharma, Habibul Hasan, P. K. Srivastava, Mohammed Parvez Khan, Zia Arshad, Ravi Kant. Lucknow, Uttar Pradesh, India.

Small Bowel: All Topics

A266 Long-Term Outcomes of Renal Function in Pediatric Living Related Intestinal Transplantation
Sandra Garcia Aroz, Kimberly Czech, Leslie Briar, Giuliano Testa, Enrico Benedetti, Eunice John. Chicago, IL; Texas.

A267 † Achieving Ideal Outcome After Intestinal Transplantation: How Close Are We?
Armando Ganoza, Neslihan Celik, Geoffrey Bond, Kyle Soltys, Jeffrey Rudolph, Rakesh Sindhi, George Mazariegos. Pittsburgh, PA.

A268 Impact of Donor Asystole in Intestine Transplant
Joel Schroering, Chandrashekhar Kubal, Richard Mangus. Indianapolis, IN.

Transplant Economics and Pharmacy Value Initiatives

A269 Vendor to Center in 0-60: A Cost-Effective Blueprint for Creating an In-House On-Call System for Abdominal Organ Offers
Jordan Davenport, Debra Cassidy, Amy Hauser, Allison Milling, Krista Driggers, Heather Crego, Julie Anderson, Lena Curry, Prabhakar Baliga, Nicole Pilch, Derek Dubay. Charleston, SC.

- A270 † Improving Value by Standardizing the Use of IVIG Amongst Pediatric Solid Organ Transplant (SOT) Patients**
Jaclyn Sawyer, John Bucuvalas, Lara Danziger-Isakov, Joshua Gossett, Lauren Burkhart, Angela Lorts. Cincinnati.
- A271 Associations Between Provision of Transplant Pharmacy Services and Center-Level Patient and Graft Outcomes in U.S. Adult Kidney Transplant Programs**
J. Park, J. Trofe-Clark, T. Kaiser, N. Pilch, D. Taber. Ann Arbor; Philadelphia; Cincinnati; Charleston.
- A272 Assessment of a Medication Education Program Among New Transplant Recipients at a Large Academic Health Center**
Ginny Tyler G. Meadows, Juliana Kyle, Adam Dodson, Kristofer Gutierrez, Paul A. MacLennan, Fatima Iqbal, Lisa Weldon, DeAnn Jones, Alexandra James. Birmingham, AL.
- A273 † Sequential Monitoring of Natural Killer Cell Reconstitution Against CMV Reactivation After Allogeneic Hematopoietic Stem Cell Transplantation**
Park Ki Hyun, Lee Hyeyoung, Ryu Ji Hyeong, Kim Yonggoo, Han Kyungja, Cho Byung Sik, Kim Hee-Je, Min Woosung, Oh Eun-Jee. Seoul, Korea.
- A274 † Utility of “High-Dose” Ganciclovir in High Viral Load CMV Infection in Transplant Recipients**
Mona Alfares, Robin Avery, Nouf Turki, Khalid Alfares, Seema Mehta, Ravit Boger, Alexandra Valsamakis. Baltimore, MD.
- A275 CMV Infection in Renal Transplant Recipients: Incidence and Efficacy of Prophylaxis According to Cytokine Single Nucleotide Polymorphisms**
Isabel I. Perez-Flores, Maria Angeles M. A. Moreno De La Higuera, Natividad N. Calvo Romero, Beatriz B. Rodriguez Cubillo, Amir A. Shabaka, Marta M. A. Calvo Arevalo, Virginia V. Lopez De La Manzanara, Ana Isabel A. I. Sanchez-Fructuoso. Madrid, Spain.
- A276 Low-Dose Valganciclovir for Cytomegalovirus Prophylaxis in Intermediate Risk Renal Transplants: A Single Center Experience**
Adam Baghban, Kristen D. Belfield, Marwan M. Azar, Elizabeth Cohen, Maricar F. Malinis. New Haven, CT.
- A277 Kinetics of Cytomegalovirus (CMV) DNAemia in CMV Mismatch Solid Organ Transplant Patients with Primary CMV Infection**
Cristina Hernandez, Diana Chiang, Sonia Fuentes, Carlos Cervera. Edmonton, Canada.
- A278 ASP0113 Elicits an Immune Response in CMV-Seronegative Dialysis Patients: Comparison to Healthy Subjects**
Peter Bonate, Charles Van Sant, Kathy Cho, Erin Zook, Larry Smith, Sou Boutsaboualoy, Xuegong Wang, Ruishan Wu, Anne Koester, Diane Rammelsberg, Ronald Goldwater, Thomas Marbury. Northbrook; Skokie; San Diego; Baltimore; Orlando.
- A279 Evaluation of Immunological States of Patients with Cytomegalovirus Infection After Kidney Transplantation**
Asuka Tanaka, Kentaro Ide, Yuka Tanaka, Kohei Ishiyama, Masahiro Ohira, Hiroyuki Tahara, Seiichi Shimizu, Das Lalit Kumar, Hideki Ohdan. Hiroshima, Japan.
- A280 Eight Years of Low-Dose Valganciclovir; Evaluating the Incidence and Risk Factors of CMV in Kidney Transplant Recipients**
Sandra El Hajj, Miae Kim, Jamil Azzi, Steven Gabardi. Boston, MA.
- A281 Cytomegalovirus Viral Load: Characterization of Results from Clinical Specimens**
Steven B. Kleiboeker. Lees Summit, MO.
- A282 Ganciclovir Resistant Cytomegalovirus Infection in Abdominal Transplant Recipients**
Jillian Fose, Margaret Jorgenson, Kate Rolling, Erin McCreary, Didier Mandelbrot, Jeannina Smith. Madison.

- A283 High-Dose Acyclovir for Cytomegalovirus Prevention in Seropositive Solid Organ Transplant Recipients**
Jillian Fose, Erin McCreary, Margaret Jorgenson, Michael Lucey, Jeannina Smith. Madison, WI.
- A284 Impact of Timeliness of Assessment of Positive Cytomegalovirus Polymerase Chain Reaction Results in Abdominal Organ Transplant Recipients**
Kerri Roach, Helen Triemer, Michael Hurtik, Aneesh Mehta. Atlanta, GA.
- A285 Incidence of Cytomegalovirus Infection Among Liver Transplant Recipients Maintained on a Cyclosporine vs. Tacrolimus-Based Immunosuppression Regimen**
Corey C. Burrelli, Michelle H. Bradley, Stephanie M. Pouch, Elmahdi A. Elkhammas, Holli A. Winters. Columbus, OH.
- A286 Improving Donor Screening for Cytomegalovirus (CMV): Is CMV IgG Avidity Better Than CMV IgM?**
Harry E. Prince, Marek J. Nowicki. Los Angeles, CA.
- A287 Reproducibility of the Cobas CMV Test (cobas CMV) and Clinical Concordance with the Cobas Ampliprep / Cobas TaqMan CMV Test (CAP/CTM CMV)**
Paul Baum, Joseph Yao, Ann Butcher, Pari Hemyari, Alexandra Valsamakis, Stephen Young. Pleasanton, CA; Rochester, MN; Baltimore, MD; Albuquerque, NM.
- A288 Cytomegalovirus Renal Infection: Rare Manifestation of a Common Post-Transplant Viral Infection -- A Case Series**
Maria Aurora Posadas Salas, Jennifer Thompson, Tue Ngo, Sally Self. Charleston, SC.
- A289 Immediate vs Delayed Initiation of CMV Prophylaxis...Safe and Cost Beneficial?**
Laura Cotiguala, Adrian Carlson, Crystal Truax, Bhanupriya Sirandas, Isaac Hall, Lonnie Smith. Salt Lake City, UT.
- A290 Risk Factors for Polyomavirus Infection After Renal Transplantation: Introduction of the Protective Effect of Peritoneal Dialysis**
Seyed M. Hosseini-Moghaddam, Qingyong Xu, Jina Kum, Hajed Alharbi, Anthony Jevnikar, Michael John, Gagandeep Singh, Samantha Parsons, Mary Jeanne Edgar, Patrick Luke. London, ON, Canada.
- A291 Lack of Specificity of LC-MS/MS Based Urinary Biomarkers for Polyomavirus BK Nephropathy (BKPyVN)**
Gang Zeng, Ling Pan, Zili Lyu, Yuchen Huang, Parmjeet Randhawa. Pittsburgh, PA; Nanning, Guangxi, China.
- A292 Does EBV Viremia at Time of Transplant Have a Negative Impact on Transplant Outcomes?**
Priya Verghese, Henry Balfour, David Schmeling, Jennifer Grimm, Srinath Chinnakotla, Arthur Matas. Minneapolis.
- A293 † Pharmacokinetics of Daclatasvir, Sofosbuvir and GS-331007 in a Prospective Cohort of HCV Positive Kidney Transplant Recipients**
Eva Schrezenmeier, Petra Galander, Friederike Hoffmann, Carsten Jaeger, Jan Lisec, Jens Schrezenmeier, Oliver Staeck, Lukas Lehner, Dmytro Khadzhyrov, Fabian Halleck, Michael Duerr, Klemens Budde. Berlin, Deutschland, Germany; Berlin, Deutschland (DEU), Germany.
- A294 The Impact of Hepatitis C Treatment on GFR and Immunosuppression in Renal Transplant Recipients**
Jennifer Husson, Ruth Adekunle, Bharath Ravichandran, Poonam Mathur, Srijana Jonchhe, Kristen Stafford. Baltimore, MD.
- A295 Single-Center Initial Experience in Treating Chronic Hepatitis C in Kidney Transplant Recipients**
Gisele Meinerz, Cynthia Keitel da Silva, Rosana Mussoi Bruno, Elizete Keitel, Valter Duro Garcia. Porto Alegre, RS, Brazil.
- A296 Kidney Transplantation in HCV+ Recipients in a New Era of Diagnostics and Therapeutics**
C. Traynor, S. Bumb, C. Berg, M. Ellis, J. Roberts, A. Muir, L. King, C. Brady, S. Sanoff. Durham, NC.

- A297** **Willingness of End-Stage Renal Disease Patients (ESRD) without Hepatitis C (HCV) to Accept a HCV+ Kidney**
P. Reese, D. Goldberg, A. Mussell, M. McCauley, D. Sawinski, N. Molina, R. Tomlin, S. Doshi, P. Abt, E. Blumberg, C. Thiessen, S. Kulkarni, G. Esnaola. Philadelphia, PA; New Haven, CT.
- A298 †** **Risk Factor for Hepatitis E Virus Infection Among Solid-Organ-Transplant Patients**
Nassim Kamar, Sebastien Lhomme, Florence Abravanel, Laure Esposito, Anne Laure Hebral, Olivier Marion, Arnaud Del Bello, Jacques Izopet. Toulouse, France.
- A299** **Ambiguous Nucleic Acid Tests (NAT) Results – Case of a Donor with Intermittent HCV NAT(+) but No HCV Transmission**
Marek Nowicki, Harry Prince, Claudia Chinchilla, Claudia De Los Santos, Jeffrey Trageser, Lisa Stocks. Los Angeles, CA; San Diego, CA.
- A300** **The Evolution of Hepatitis B Surface Antibody (Anti-HBs) Titer of the Kidney Transplant Recipients: A 5-Year Experience Guideline for the Optimal Maintaining Immunization**
Wiwat Chancharoenthana, Asada Leelahavanichkul, Salin Wattanatorn, Yingyos Avihingsanon, Kearnkiat Praditpornsilpa, Natavudh Townamchai. Bangkok, Thailand.
- A301** **Low Incidence of Acute Rejection within the Six Months After Transplantation in HIV Recipients Treated with Raltegravir, the ANRS 153 Treve Trial**
Marie Matignon, A. Lahiani, Jean Daniel Lelievre, Dominique Desvaux, Khadidja Abassi, A. Diallo, Marie Noelle Peraldi, Anne Marie Taburet, Juliette Saillard, Constance Delaugerre, Lambert Assoumou, Philippe Grimbert, TREVE ANRS Study Group. Créteil, France; Paris, France; Le Kremlin-Bicêtre, France.
- A302** **Antiretroviral Therapy Modification of HIV+ Patients Listed for Kidney Transplantation**
Dong Heun Lee, Gregory Malat, Tiffany Bias, Shara Epstein, Lissa Levin Mizrahi, Meera Harhay, Sindhura Talluri, Karthik Ranganna. Philadelphia.
- A303** **Nonmelanoma Skin Cancer Rates Are Not Affected by Chronic HIV(+) or HCV(+) Infection in Organ Transplant Recipients**
Kumar S. Nadhan, Elizabeth Usedom, Scott Shipman, Alden Doyle, Gregory E. Malat, Erin M. Buchanan, Christina L. Chung. Philadelphia.
- A304** **High-Risk Human Papillomavirus Associated with Genital Squamous Cell Carcinoma in Nonwhite Organ Transplant Recipients**
Kumar S. Nadhan, Mary E. Larijani, Lauren M. Ogrich, Christine M. Shaver, Alden Doyle, Christina L. Chung. Philadelphia, PA; Charlottesville, VA.
- A305** **Effect of Influenza Vaccination in the Severity of Illness in Hospitalized Transplant Recipients with Laboratory-Confirmed Influenza**
Amy L. Bagenski, Fernanda P. Silveira. Pittsburgh, PA.
- A306** **Measles Screening and Vaccination in Solid Organ Transplant Recipients: Adherence to Infectious Disease Community of Practice (IDCOP) Recommendations**
Faria A. Irani, Robert Butler, Christopher Kovacs. Cleveland.
- A307** **Emerging Variables Which May Enhance Care of HIV Positive Renal Transplant Recipients**
Deanne Leonard, Mary B. Prendergast. Jacksonville, FL.
- A308** **Willingness to Donate Organs Among Persons Living with HIV**
Samantha Halpern, Komal Kumar, Anh Nguyen, Sarah Rasmussen, Saad Anjum, Allan Massie, Aaron Tobian, Dorry Segev, Jeremy Sugarman, Christine Durand. Baltimore, MD.

- A309** **Rates of CMV Infection in Kidney Transplant Recipients Who Received Subtherapeutic Valganciclovir Prophylaxis**
Kristen D. Belfield, Elizabeth Cohen, Maricar Malinis, Adam Baghban. New Haven, CT.
- A310** **Usefulness of Valacyclovir Prophylaxis for Preventing Cytomegalovirus Infection After Anti-Thymocyte Globulin Treatment as Antirejection Therapy**
Eun Jeong Ko, Ju Hyun Yu, Beom Soon Choi, Cheol Whee Park, Yong Soo Kim, Chul Woo Yang, Byung Ha Chung. Seoul, Korea.

Poster Session B

Poster Viewing: 9:30 am – 12:00 pm and
2:30 pm – 7:00 pm
Presenters in Attendance: 6:00 pm – 7:00 pm
Hall D1

B# indicates the board location where the poster will be displayed.

- † Those posters identified as an ATC Poster of Distinction by this symbol have received review scores that place them in the top 10% of their category. The Planning Committee encourages you to make them a priority when you visit the poster session.

Acute and Chronic Rejection

- B1 † Donor Genetic Background Determines the Severity of Delayed Graft Function Following Kidney Transplantation in Mice**
Longhui Qiu, Jiao-Jing Wang, Xin Yi Yeap, Zhikun Zheng, Miao He, Michael Abecassis, Zheng Zhang. Chicago, IL.
- B2 Inhibition of Bruton Tyrosine Kinase Blocks Sensitization in Response to Allogeneic Skin Transplantation and Prolong Skin Graft Survival**
Nakul Datta, Tiziana Palumbo, Jerzy W. Kupiec-Weglinski, Ali Zarrinpar. Los Angeles, CA.
- B3 Evaluating T Cell Repopulation Post Alemtuzumab Induction with a Belatacept-Based Regimen**
Victoria A. Bendersky, He Xu, Allan D. Kirk. Durham, NC.
- B4 Lymphoid Isolation as an Adjuvant Maneuver for Belatacept-Based Immunotherapy**
Michael S. Mulvihill, Kannan P. Samy, Robert P. Davis, Francis V. Leopardi, Bradley H. Collins, Allan D. Kirk. Durham, NC; Indianapolis, IN.
- B5 Type-1 Interferon Impairs the Immunoregulatory Activity of IL-10: A Mechanism in the Abrogation of Transplant Tolerance**
Marcos Iglesias, Anirudh Arun, Brandon Lam, W. P. Andrew Lee, Giorgio Raimondi, Gerald Brandacher. Baltimore, MD.
- B6 Evaluation of Function and TCR signaling Profile of CD57⁺ T Cells in Allo-Specific Immunity**
He Xu, Todd V. Brennan, QiJing Li, Allan D. Kirk. Durham, NC.
- B7 Deleting LAG-3 Accelerates Cardiac Allograft Rejection and Augments T Cell Memory in Mice**
J. Mark Erfe, Chao Yang, Dorothy Ndishabandi, Ivy Rosales, Rebecca White, Paul S. Russell, Robert B. Colvin, Joren C. Madsen, Alessandro Alessandrini. Boston, MA; New Haven, CT.
- B8 Differences in Kinetics of IFN- γ Production Between Endogenous and Allograft-Induced Memory T Cells**
Bruno Gonzalez-Nolasco, Jose Marino, William Orent, Gilles Benichou. Boston, MA.
- B9 Patients with Renal Failure Have a pERK-Dependent Defective TCR-Mediated Activation of CD4⁺ T Cells**
Ling Huang, Nicolle H. R. Litjens, Nynke M. Kannegieter, Mariska Klepper, Carla C. Baan, Michael Betjes. Rotterdam, Netherlands.
- B10 A Novel Microsurgical Penis Transplant Model to Study Distinct Immunologic Features of Urogenital Tissues**
Georg J. Furtmüller, Samuel A. J. Fidler, Brian Simons, Byoung Chol Oh, Barbara Kern, Denver Lough, Maria Chicco, Cory Brayton, W. P. Andrew Lee, Damon S. Cooney, Richard Redett, Gerald Brandacher. Baltimore, MD.
- B11 Is Thymic Function Determining Rejection Onset in Heart Transplantation?**
Aurelie Sannier, Richard Dorent, Marie Le Borgne, Nathaniel Stroumza, Jean Senemaud, Liliane Louedec, Francesco Andreatta, Anh Gaston, Catherine Deschildre, Patrick Nataf, Anne Couvelard, Giuseppina Caligiuri, Antonino Nicoletti. Paris, France.
- B12 Immune Activation and Rejection Risk in HIV-Positive Kidney Transplantation**
Steven A. Wisel, Brian Shaw, Linda Lee, Karim Lee, Chung Yee Leung, Peter G. Stock, Qizhi Tang. San Francisco, CA.

- B13 Apoptotic Exosome-Like Vesicles Released During Tissue Injury Trigger IL23/IL-17 Autoimmune Axis and Accelerate Rejection**
Mélanie Dieudé, Julie Turgeon, Annie Karakeussian-Rimbault, Luc Pomerleau, Alexa Robitaille, Nathalie Grandvaux, Éric Boilard, Marie-Josée Hébert. Montreal, Canada; Québec, Canada; Montreal, QC, Canada; Edmonton, Canada.
- B14 Mitochondrial Permeability Can Regulate Endothelial Cell Necroptosis and Promote Cardiac Allograft Rejection**
Ingrid Gan, Jifu Jiang, Dameng Lian, Anthony Jevnikar, Zhu-Xu Zhang. London, ON, Canada.
- B15 Inhibition of Heat Shock Protein 90 Suppresses the Expression of MHC Class I Molecules, but Not MHC Class II Molecules, on Endothelial Cells in Allografts**
Toshiaki Tanaka, Takeshi Maehana, Naoya Masumori. Sapporo, Japan.
- B16 BKV Clearance Time Correlates with T-Cell Receptor Repertoire Shape and Exhaustion State of BKV-Specific T-Cells in Renal Transplant Patients with Severe BKV Infection**
Ulrik Stervbo, Mikalai Nienen, Benjamin J. D. Weist, Patrizia Wehler, Timm H. Westhoff, Hans-Dieter Volk, Petra Reinke, Nina Babel. Bochum, Germany; Berlin, Germany.
- B17 Allograft Cytokine Activation and Elevated Tissue Indoleamine 2,3-Dioxygenase Gene and Protein Expression in Rejecting Pig Transplants**
Todd Merchen, Youli Wang, Randi Lassiter, Dan Kleven, Ryan Jajosky, Matt Winn, Chak-Sum Ho, N. Stanley Nahman. Augusta, GA; Ann Arbor, MI.
- B18 Recipient iNOS Deficiency Reduces Spontaneous Kidney Allograft Acceptance by Accelerating Allograft Loss**
Imad Aljabban, Bo Jiang, Chao Yang, Dorothy K. Ndishabandi, Rebecca White, Paul S. Russell, Joren C. Madsen, Robert B. Colvin, Alessandro Alessandrini. Boston, MA.
- B19 Immune Monitoring-Guided Treatment of a Pediatric Patient with Sequential GvHD, Acute Rejection and CMV Infection Following Lung Transplantation**
Christine S. Falk, Schwerk Nicolaus, Müller Carsten, Tudorache Igor, Sommer Wiebke, Daemen Kerstin, Keil Jana, Hansen Gesine, Haverich Axel, Warnecke Gregor. Hannover, Germany; Hannover, Deutschland, Germany.
- B20 Generation of Autologous CMV and EBV-Specific T-Cell Lines from Seronegative Patients for Cell Therapy of Opportunistic Infections Following Kidney Transplantation**
Caroline Lamarche, Thomas Pincez, Julie Orio, Cedric Carli, Atul Humar, Jean-Sébastien Delisle. Montreal, QC, Canada; Toronto, ON, Canada.
- B21 CMV-Specific CD4⁺ T Cells in CMV-IgG-Seronegative Individuals Protect from CMV Viremia Following Transplantation with a CMV-Seropositive Donor Kidney**
Nicolle H. R. Litjens, Ling Huang, Burc Dedeoglu, Ruud W. J. Meijers, Michiel G. H. Betjes. Rotterdam, Netherlands.
- B22 RAS Inhibition Attenuates Urine Angiotensin II-Regulated Proteins Associated with Interstitial Fibrosis and Tubular Atrophy in Kidney Transplant Recipients**
Zahraa Mohammed-Ali, Shelby Reid, Paul Yip, Heloïse Cardinal, Marie-Josée Hébert, Yanhong Li, S. Joseph Kim, Ana Konvalinka. Toronto, ON, Canada; Montréal, QC, Canada.
- B23 † TGF- β 1 Induces Transplant Kidney Interstitial Fibrosis Through Endothelial-to-Mesenchymal Transition via TGF- β /Smad and Akt/mTOR/p70S6K Pathways**
Zijie Wang, Zhijian Han, Jun Tao, Ruoyun Tan, Min Gu. Nanjing, Jiangsu, China.
- B24 Mechanisms of Fibrosis in the Allograft Kidney: RNA-seq Based Analysis Using Formalin Fixed Biopsies**
Gang Zeng, Ling Pan, Zili Lyu, Yuchen Huang, Parmjeet Randhawa. Nanning, Guangxi, China; Pittsburgh, PA.

- B25** **Kidney Recipients with 10 Year Belatacept-Treatment Display an Altered T Cell Subset Composition and Low Plasma Cytokine Levels Compared to Matched Patients with CNI-Based Immunosuppression**
Christine S. Falk, Christine Neudörfel, Anne Scherf, Kerstin Daemen, Jana Keil, Jürgen Klempnauer, Frank Lehner, Gerrit Grannas. Hannover, Germany.
- B26** **IL-3 Contributes to Development of Basophil-Triggered Cardiac Allograft Fibrosis Development**
Gabriela Schiechl-Brachner, Manuel Rodriguez Gomez, Kerstin Renner, Simone Buchtler, Kathrin Schmidbauer, Dagmar Halbritter, Sophia Neumayer, Yvonne Talke, Hilke Bruehl, Matthias Mack. Regensburg, Germany.
- B27** **Donor Macrophage Depletion from CMV-Latently Infected Hearts Abrogates CMV-Accelerated Chronic Rejection**
Jennifer M. Burg, Takeshi F. Andoh, Nicole N. Haese, Iris K. A. Jones, Susan L. Orloff, Daniel N. Streblov. Portland, OR; Hillsboro, OR.
- B28** **Vimentin Regulates β -Catenin Translocation During Epithelial to Mesenchymal Transition in Renal Fibrosis**
Reynold Lopez-Soler, Zhen Wang, Alex Divanyan. Albany, NY.
- B31** **mTORC1 and 2 Regulate Dendritic Cell (DC) Metabolism and Allostimulatory Function of Donor DCs in Skin Transplantation**
Alicia R. Watson, Helong Dai, Ashley V. Menk, Greg M. Delgoffe, Angus W. Thomson. Pittsburgh.
- B32** **Fate and Function of CD8+ T Cells Primed by Fetal Antigen During Pregnancy**
Paige Porrett, Rong Xu, E. John Wherry. Philadelphia, PA.
- B33** **Tofacitinib-Loaded Solid Lipid Nanoparticles Inhibits Dendritic Cell Antigen Presenting Functions and Achieve Selective In Vivo Targeting**
Giorgio Raimondi, Xiomara Calderon-Colon, Joshua Budihardjo, Amir Mirdad, Marcos Iglesias-Lozano, Jeffrey Walch, W. P. Andrew Lee, Gerald Brandacher, Julia Patrone. Baltimore; Laurel.
- B34** **Suppression of T Cell Proliferation by CpG-Activated B Cells Depends on Granzyme-B and Cell-Cell Contact, but Not on IL-10**
Lisa Kojima, Shoko Kimura, Kang Mi Lee, Christian Schuetz, Laura Washburn, Kevin Deng, Haley Tector, Beth Amundsen, Dorothy Ndishabandi, Alexandra Markmann, Madeleine Markmann-Porch, Tetsu Oura, Alessandro Alessandrini, James Kim, Heidi Yeh, James Markmann. Boston, MA.
- B35** **The Treg/Th17 Axis: A Dynamic Balance Regulated by Stromal Laminins**
Thomas Simon, Jonathan Bromberg. Baltimore.
- B36** **Non-Human Primate Auto-Immune Responses to Col V, α -1Tubulin and Vimentin Are P2X7R Dependent**
Jeremy A. Sullivan, Ewa Jankowska-Gan, Dixon B. Kaufman, Loren C. Denlinger, William J. Burlingham. Madison, WI.
- B37** **Persistent Donor Antigen Leads to Dysfunctional CD4+ Memory T Cell Development**
Michelle L. Miller, Ying Wang, Luqiu Chen, Yuk Man Lei, Melvin D. Daniels, Elyse Watkins, Carolina Mora Solano, Christine McIntosh, Noel Isaad, Anita S. Chong, Maria-Luisa Alegre. Chicago, IL.
- Allorecognition and T Cell Biology**
- B29 †** **Trafficking of Donor Leukocytes and Recipient Cells Cross-Dressed with Donor MHC Molecules After Transplantation of Cardiac Allografts in Monkeys**
Jose Marino, Kortney Robinson, Joshua Paster, Isabel Hanekamp, Joren C. Madsen, Gilles Benichou. Boston, MA.
- B30 †** **HLA Class II Molecules Partner with TLR4 to Stimulate Endothelial Cell Activation and Proliferation**
Yi-Ping Jin, Eline F. Reed. Los Angeles, CA.

- B38** **Modification of Human Endothelial Cells by CRISPR/Cas9-Mediated Ablation of Class I and II Major Histocompatibility Complex Antigen Expression**
Jonathan Merola, Christopher Anderson, Hao Xu, Thomas Manes, Jordan S. Pober. New Haven, CT.
- B39** **Two Promoter Polymorphisms in the Genes Encoding for Complement Regulating Proteins CD46 and CD59 in Kidney Donors Are Associated with Biopsy Proven Acute Rejection**
Laura A. Michielsen, Arjan D. van Zuilen, Tineke Kardol-Hoefnagel, Marianne C. Verhaar, Henny G. Otten. Utrecht, Netherlands.
- B40** **Placental Leukocytes Are Maternally Derived: Implications for Pregnancy-Induced Alloimmunization**
Paige Porrett, Emma Lewis, Rong Xu, Amy Brown, E. John Wherry, Michal Elovitz. Philadelphia, PA.
- B41** **SIRPα⁺ DCs and the Time-Dependent CD4⁺CD8⁺ Double Positive T Cell Infiltration in Accepted Renal Allografts**
T. Ashry, C. Yang, B. Jiang, D. Ndishabandi, P. C. Russel, R. B. Colvin, J. S. Madsen, A. Alessandrini. Boston.
- B42** **CD4 T Cells and Co-Engagement with Foreign Protein Are Required in Antibody Response to Non-Self Blood Group A-Antigen**
Ibrahim Adam, Bruce Motyka, Lori West. Edmonton, AB, Canada.
- B43** **Assessment of Cardiosphere-Derived Cell Exosomes as Possible Modulator of Alloimmunity in a Mouse Model of HLA-A2 Allosensitization**
Irene Kim, Gordon Wu, Ning-Ning Chai, Geoffrey De Couto, Eduardo Marban, Andrew Klein, Stanley Jordan. Los Angeles, CA.
- B44** **Vascularized Bone Marrow Mechanisms of Immunomodulation**
Ali Khalifeh, E. Bryan Buckingham, Mehmet C. Uluer, Wessam Hassanein, William S. Twaddell, Cinthia Drachenberg, Arthur J. Nam, Stephen T. Bartlett, Rolf N. Barth. Baltimore, MD.
- B45** **HLA-DPA1 and HLA-DPB1 Frequencies in the US Populations**
Zeying Du, Jaishree Patel, Christine Braun, Brian Norton. Maywood, IL.
- B46** **Phenotypic and Functional Assessment of T Cell Alloimmunity After Liver Transplantation**
T. Taner, M. Hansen, W. Park, M. Stegall. Rochester, MN.
- B47** **T-Cell Aging Parameters in the Lymph Node and Peripheral Blood Are Strongly Associated but Terminally Differentiated T Cells Are Mainly Located within the Circulation**
Burç Dedeoglu, Annelies A. E. de Weerd, Ling Huang, Anton W. Langerak, Mariska Klepper, Wenda Verschoor, Derek Reijerkerk, Carla C. Baan, Nicolle H. R. Litjens, Michael Betjes. Rotterdam, Zuid-Holland, Netherlands.
- B48** **Quantity and Functions of CD4⁺CD8⁻ Double Negative (DN) αβ T Cells in Kidney Is MHC Dependent**
Mohanraj Sadasivam, Sanjeev Noel, Sul A. Lee, Abdel Rahim Hamad, Hamid Rabb. Baltimore, MD.
- B49** **A New and Potent Distal Enhancer of the *IL2* Gene**
Rajan Thomas, Parul Mehra, Matthew Johnson, Struan Grant, Andrew Wells. Philadelphia, PA.
- B50** **Ex-Vivo Mitomycin-C Exposure Reduced Immunogenicity and Prolonged Survival of Islets by Suppressing the Secretion of Multiple Chemotaxis Factors**
Naoya Sato, Takayuki Anazawa, Akira Kenjyo, Takashi Kimura, Ryo Okada, Terushige Ishigame, Yasuhide Kofunato, Junichiro Watanabe, Makoto Muto, Atsushi Nishimagi, Mitsukazu Gotoh, Shigeru Marubashi. Fukushima, Japan; Kyoto, Japan.
- B51** **Donor Leukocytes Are Eliminated by the Host's Immune System Shortly After Skin Transplantation in Mice**
Jose Marino, Bruno Gonzalez-Nolasco, Gilles Benichou. Boston, MA.

- B52 Increased T Cell Exhaustion in Dialysis Patients**
Mark A. Bastiaansen, Audrey Uffing, Leonardo V. Riella. Boston, MA.
- B53 The Inhibitory Effect of Plasma on T Cell Activation: Possible Role of Plasma Exchange in Anti Rejection Therapy**
Alain G. Assounga, Saleha Omarjee. Durban, South Africa.
- B54 † Memory T Cells Are Decreased in Transplant Recipients Deficient in miR-182**
Vandana Kaul, Liang Wei, Xiumei Qu, Olivia M. Martinez, Sheri M. Krams. Stanford.
- Antibody Mediated Rejection in Kidney Transplant Recipients II**
- B55 A Lower Mean Exposure to Tacrolimus, Not Intra-Patient Variability Is Associated with Chronic Active Antibody Mediated Rejection**
Kasia A. Sablik, Marian C. Clahsen–van Groningen, Teun Van Gelder, Michael Betjes. Rotterdam, Netherlands.
- B56 Development of Transplant Glomerulopathy in Recipients with Antibody Mediated Rejection: Activation of Inflammatory Pathway Through Renal Poly (ADP-Ribose) Polymerase (PARP)**
B. Handan Ozdemir, F. Nurhan Ozdemir, Esra Baskin, Mehmet Haberal. Ankara, Turkey.
- B57 Impact of Complement Component 3 Single Nuclear Polymorphisms on Renal Transplant Recipients with Antibody-Mediated Rejection**
Zijie Wang, Zhijian Han, Jun Tao, Ruoyun Tan, Min Gu. Nanjing, Jiangsu, China.
- B58 Molecular Classifier of Antibody-Mediated Rejection Is a Better Predictor of Histologic Rejection Than a Corresponding Transcript Set and Is Further Improved When Combined with Classifiers of Rejection Syndromes**
Konrad S. Famulski, Philip F. Halloran. Edmonton, AB, Canada.
- B59 Clinical and Molecular Significance of Microvascular Inflammation Negative Transplant Glomerulopathy**
M. Lubetzky, N. Hayde, P. O Broin, Y. Bao, E. Akalin. Bronx; Galaway, Ireland.
- B60 Molecular Significance of Peritubular Capillaritis in Early Transplant Kidney Biopsies of Donor-Specific Antibody Negative Patients**
Maria Ajaimy, Pilib O Broin, Yi Bao, Enver Akalin. Bronx.
- B61 Integrative Analysis of ExomeSeq and Gene Expression Data for Identification of Novel Variants Associated with Antibody-Mediated Rejection in Kidney Transplant**
Silvia Pineda, Tara Sigdel, Annette Jackson, Marina Sirota, Minnie Sarwal. San Francisco, CA; University of California, San Francisco (UCSF), CA; Baltimore, MD.
- B62 IdeS, an IgG Endopeptidase, Effectively Cleaves Anti-HLA Antibody (Ab), Resulting in Inhibition of Anti-HLA Ab-Mediated NK Cell Activation and Ab-Dependent Cell-Mediated Cytotoxicity (ADCC) in HLA-Sensitized Kidney Transplant Patients (HS KTx Pts)**
Shili Ge, Maggie Chu, Jua Choi, Sabrina Louie, Alexis G. Kang, Ashley Vo, Alice Peng, Stanley C. Jordan, Miekko Toyoda. Los Angeles, CA.
- B63 Second-Line Therapy After Standard of Care in Antibody-Mediated Rejection: A Prospective Study**
D. Viglietti, A. Loupy, O. Aubert, E. Pillebout, C. Legendre, D. Glotz, C. Lefaucheur. Paris, France.
- B64 Low Level Early Onset De Novo DSA's May Not Portend Early Graft Dysfunction in Kidney Transplant Recipients**
Mersema T. Abate, Yezina T. Nigatu, Benjamin Ryu, Frank Darras, Riffat Jafrin, Heesuck Suh, Chelsea Estrada, Edward P. Nord. Stony Brook, NY.

- B65** **Microvascular Inflammation at 4 Months Posttransplant Is Associated with Transplant Glomerulopathy at One and Two Years Independent of Rejection and Donor Specific Antibodies**
Hasan Khamash, Girish Mour, Logan Archambault, Matthew Buras, Heidi Kosiorek, Marcelo Pando, Kunam Reddy, Harini Chakkerla, Janna Huskey, Sumi Nair, Andres Jaramillo, Maxwell Smith, Bruce Kaplan, Raymond Heilman. Phoenix.
- B66** **Pre-Transplant Non-Cytotoxic Donor Specific HLA Antibodies Do Not Increase the Risk of Graft Dysfunction in Kidney Transplant Recipients with Thymoglobulin and IVIG Induction**
A. Colovai, M. Ajaimi, N. Hayde, L. Kamal, S. Chan, C. Savchik, J. Rocca, E. Akalin. Bronx, NY.
- B67** **Prospective Monitoring of De Novo Donor-Specific Antibodies: Incidence, Clinical Outcomes and Dynamic Changes Over 5 Years After Kidney Transplantation**
Maria Ajaimy, Adriana Colovai, Nicole Hayde, Jay Graham, Michelle Lubetzky, Layla Kamal, Graciela De Bocardo, Enver Akalin. Bronx.
- B68** **C1q+ and IgG3+ De Novo Donor Specific Antibody Are Associated with Allograft Failure in a Multicenter Cohort**
Carrie A. Schinstock, Matthew Everly, Milagros Samaniego, Manish Gandhi, Ruchang Parikh, Vijay Sharma, Mark Stegall, Darshana Dadhania. Rochester, MN; Los Angeles, CA; Ann Arbor, MI; New York, NY.
- B69** **Outcome of Systemic Monitoring of DSA and Protocol Management to Optimize Renal Allograft Outcome in a Single Transplant Center**
Shirley Chang, Indika Mallawaarachchi, Cindy Yip, Thomas Shanahan, Aijaz Gundroo, Alok Dwivedi, Sunil Patel, Mareena Zachariah. Buffalo, NY; El Paso, TX.
- B70** **Characterization of De Novo Donor-Specific HLA Antibodies and Correlations with C4d+ Antibody-Mediated Rejection of Kidney Transplants**
Raja Rajalingam, Dessislava Kopchaliiska, Owen Buenaventura, Manpreet Singh, Stephen Tomlanovich. San Francisco, CA.
- B71** **Retrospective Analysis of Kidney Transplant Recipients with Antibody-Mediated Rejection**
Gastón J. Piñeiro, Erika Desousa, Jesus Villarreal, Miguel Lozano, Joan Cid, Manel Sole, Federico Oppenheimer, Fritz Diekmann. Barcelona, Spain.
- B72** **C-C Chemokine Receptor 5 Polymorphisms and Risk of Antibody-Mediated Rejection in Renal Transplantation**
Juhan Lee, Deok Gie Kim, Jee Youn Lee, Su-Kyung Kwon, Seung Hwan Song, Jae Geun Lee, Beom Seok Kim, Myoung Soo Kim, Soon Il Kim, Yu Seun Kim, Kyu Ha Huh. Seoul, Republic of Korea.
- B73** **Donor-Derived Cell-Free DNA Is a Dynamic Biomarker of Active Rejection in Kidney Allografts**
Daniel Brennan, Jonathan Bromberg, Emilio Poggio, David Hiller, John Sninsky, Robert Woodward, James Yee, Roy Bloom. St. Louis, MO; Baltimore, MD; Cleveland, OH; Brisbane, CA; Philadelphia, PA.
- B74** **IVIG + Rituximab as Desensitization Agents to Reduce Donor Specific Antibodies and Improve Transplant Rates in Highly Hla Sensitized (HS) Awaiting Deceased Donor Kidney Transplantation**
Reiad Y. Najjar, Edmund Huang, Ashely A. Vo, Jua Cho, Sabrina Louis, Aleix Hang, Alice Peng, Stanley Jordan. Los Angeles, CA.

- B75** **Tocilizmab (Anti-IL-6R) Treatment (TCZ-Rx) Reduced Total IgG Levels Including Anti-HLA IgG: Analysis of IgG Subclasses (IgG1-IgG4) and Anti-HLA IgG Subclasses Show Similar Reductions in All Subclasses from Patients with DSA+ Chronic Antibody-Mediated Rejection (CABMR)**
Bong-Ha Shin, Matthew Everly, Jua Choi, Shili Ge, Anna Petrosyan, Ashley Vo, Stanley C. Jordan, Mieko Toyoda. Los Angeles, CA; Los Angeles.
- B76** **Preformed HLA Donor-Specific Antibodies Disappearance After Kidney Transplantation: Significance and Comparison with Persistent DSA**
Dolores Redondo, María José Pérez-Sáez, Marisa Mir, Javier Gimeno, Carme García, Juan José Hernández, Jose Yélamos, Julio Pascual, Marta Crespo. Barcelona, Spain.
- B77** **Association of Non-HLA Antibodies with Histological Changes of Antibody Mediated Injury in Kidney Transplantation**
Nicolae Leca, Idoia Gimferrer, Paul Warner, Karen Nelson, Ramasamy Bakthavatsalam, Lena Sibulesy, Behzad Najafian, Cassiane Robinson-Cohen, Bryan Kestenbaum. Seattle.
- B78** **Donor-Derived Cell-Free DNA Normal Range and Biological Variation Defined in a Reference Population**
Jonathan Bromberg, Daniel Brennan, Emilio Poggio, David Hiller, Robert Woodward, James Yee, John Sninsky, Roy Bloom. Baltimore, MD; St. Louis, MO; Cleveland, OH; Brisbane, CA; Philadelphia, PA.
- B79** **Bortezomib for Late Antibody-Mediated Rejection After Renal Transplantation: A Single Center Experience of 22 Cases**
Ji Yoon Choi, Joo Hee Jung, Sung Jin Chun, Sung Shin, Young Hoon Kim, Duck Jong Han. Seoul, Republic of Korea.
- B80** **Non-Donor-Specific Anti-HLA Antibodies Have an Adverse Impact in Kidney Graft Outcomes**
J. Malheiro, S. Tafulo, L. Dias, L. S. Martins, I. Beirão, A. Castro-Henriques. Porto, Portugal.
- B81** **Incidence of Donor-Specific Anti-HLA Antibodies in Non-HLA Sensitized Patients Given Tacrolimus Once or Twice Daily During the First Two Years Post-Transplantation**
Nassim Kamar, Valérie Hajj, Inès Ferrandiz, Eliane Younes, Laure Esposito, Anne Laure Hébral, Arnaud Del Bello. Toulouse, France.
- B82** **Biopsies (Bx) of Renal Allografts with Antibody- + Cell-Mediated Rejection (ABMR/CMR) Exhibit Gene Expression Signatures from Both Types of Rejection**
Hao Zhang, Cynthia C. Nast, Janice Doldron, Mandy Cheung, James Mirocha, Joseph Kahwaji, Ashley A. Vo, Stanley C. Jordan, Mieko Toyoda. Los Angeles.
- B83** **Risk of Kidney Rejection Following Simultaneous Liver Kidney Transplantation**
Sapna Shah, Abid Suddle, Varuna Aluvihare, Olivia Shaw, Catriona Shaw, Nizam Mamode, Christopher Callaghan, Geoff Koffman, Nigel Heaton. London, United Kingdom.
- B84 †** **Transcript Changes Associated with Graft Rejection Are Not Specific for Rejection Because They Are Shared with Tissue Responses to Wounding**
Philip Halloran, K. S. Famulski, INTERCOMEX Study Group. Edmonton, Canada.
- B85 †** **Does HLA Class of Complement Activating Donor Specific Antibodies Matter: Single Centre Retrospective Analysis of Renal Allograft Outcomes**
Adarsh Babu, David Briggs, Dan Mitchell, Nithya Krishnan, Rob Higgins, Sunil Daga. Coventry, United Kingdom; Birmingham, United Kingdom; Leeds, United Kingdom.
- Bacteria, Fungi, Parasites**
- B86** **Epidemiology and Clinical Outcomes of *Mycobacterium tuberculosis* in Liver Transplant Recipients in an Intermediate Tuberculosis-Endemic Area**
Sang Il Kim, Youn Jeong Kim, Jong Young Choi, Seung Kyu Yoon, Ji Il Kim, In Sung Moon, Yung Kyung Yoo, Dong Goo Kim. Seoul, Republic of Korea.

- B87** **TB Chemoprophylaxis Post Transplantation in West London**
Yasser W. Al-Mula Abed, Rawya Charif, Onn Min Kon, David Taube. Stevenage, United Kingdom; London, United Kingdom.
- B88 †** **Incidence and Clinical Outcomes of Active Tuberculosis in Transplant Recipients from a Low Prevalence Region**
Yoichiro Natori, Atul Humar, Shahid Husain, Deepali Kumar. Toronto, Canada.
- B89** **Incidence and Clinical Outcomes of *Mycobacterium tuberculosis* Infections Following Renal Transplantation in Endemic Country**
Kamonwan Jutivorakool, Jakapat Vanichanan, Gompol Suwanpimolkul, Yingyos Avihingsanon, Natavudh Townamchai. Bangkok, Thailand.
- B90** ***Clostridium difficile* Infection in Intestinal Transplant Recipients**
Vanessa Goldenberg, Ana Berbel, Jose F. Camargo, Jacques Simkins. Miami, FL.
- B91** **Vancomycin Prophylaxis for Prevention of *Clostridium difficile* Recurrence in Renal Transplant Patients**
Lindsey Spliner, Jillian Fose, Glen Levenson, Jeannina Smith, Christopher Saddler, Margaret Jorgenson. Madison, WI.
- B92** **Outcomes of Recurrent *Clostridium difficile* Infection in Solid Organ Transplant Recipients**
Mika Shiotsuka, Yo Natori, Deepali Kumar, Atul Humar, Coleman Rotstein, Shahid Husain. Toronto, ON, Canada.
- B93 †** **Impact of Antibiotic Treatment Duration for Symptomatic Lower Urinary Tract Infections in Kidney Transplant Recipients**
Suhail A. Shaikh, Sarah Tischer, Daniel R. Kaul, Abhijit S. Naik, Marisa Miceli, Kevin S. Gregg, Noah Leja, Twisha S. Patel. Ann Arbor, MI.
- B94** **Uromodulin and Toll-Like Receptor 4 Levels Predict Susceptibility to Bacterial Urinary Tract Infection After Renal Transplantation**
Klaus Stahl, Heike Lührs, Jessica Schmitz, Irina Scheffner, Wilfried Gwinner, Jan Hinrich Bräsen, Hermann Haller, Mario Schiffer. Hannover, Germany.
- B95** **Outcomes of Active Screening for Carbapenem-Resistant Enterobacteriaceae among Liver Transplant Recipients**
Tiffany E. Bias, Gregory Malat, Dong Heun Lee, Sindhura Talluri, Karthik Ranganna, Shara Epstein, Vishal Patel, Stephen Guy. Philadelphia, PA.
- B96** **Clinical Experience with Novel Cephalosporin/Beta-Lactamase Inhibitor Combinations in the Treatment of Multidrug Resistant *Pseudomonas aeruginosa* and Carbapenem-Resistant Enterobacteriaceae in Solid Organ Transplant Recipients**
Puja H. Nambiar, Kyle D. Brizendine, Vasilios Athans, Eric Cober. Cleveland.
- B97** **Evaluation of Vancomycin Resistant Enterococcus (VRE) Colonization and Infection Rate in Adult Liver Transplant Patients**
Erika Aldag, Garrett Fouth, Rachel Pedersen, Lynne Fehrenbacher, Ajay Sahajpal, Vikraman Gunabushanam, David J. Kramer. Milwaukee; Mequon.
- B98** **Describing the Effects of the Antibiotic Regimen Immediate Post Multi-Visceral Transplant in the Pediatric Population on the Time to First Serious Bacterial Infection**
Brandon M. Chatani, Jennifer Garcia, Chiara Biaggi, Thiago Beduschi, Akin Tekin, Rodrigo Vianna, Ivan Gonzalez. Miami, FL.
- B99** **Factors in Association with Sepsis Differ Between Simultaneous Pancreas/Kidney and Single Kidney Transplant Recipients**
Thomas Schachtner, Marina Zaks, Andreas Kahl, Petra Reinke. Berlin, Germany.

- B100 Antibiotic Conservatorship in Orthotopic Liver Transplantation**
Jonson M. Yee, Damon Clark, Rachel Hogen, Kiran Dhanireddy, Subarna Biswas, J. Perren Cobb, Kazuhide Matsushima, Daniel Grabo, Aaron Strumwasser. Los Angeles, CA.
- B101 † Increased Pro-Inflammatory and Decreased Interferon-Related Gene Expression in Older as Compared with Younger Kidney Transplant Recipients**
J. Schaenman, O. Beiard, E. Liang, T. Sidwell, V. Groysberg, M. Rosetti, B. Abdalla, E. Lum, S. Bunnapradist, T. Pham, G. Dannovitch, J. Veale, H. A. Gritsch, A. Karlamangla, S. Cole, E. F. Reed. Los Angeles, CA.
- B102 Does an Indeterminate Result on Pre-Transplantation Tuberculosis Interferon Gamma Release Assay Predict Risk for Post-Transplantation Infection or Rejection?**
Andrea J. Zimmer, Raymund R. Razonable. Omaha, NE; Rochester, MN.
- B103 Trends in Infection Among Kidney Transplant Recipients, 1999-2013**
Sunjae Bae, Christine Durand, Lauren Kucirka, Sandra DiBrito, Robin Avery, Jacqueline Garonzik Wang, Dorry Segev. Baltimore, MD.
- B104 † Efficacy of Trimethoprim-Sulfamethoxazole Prophylaxis for *Nocardia* in Solid Organ Transplant Recipients (SOTRs): Systematic Review and Meta-Analysis**
Aynaa Alsharidi, Arnoldo Adrian Gonzalez, Coleman Rotstein, Atul Humar, Deepali Kumar, Shahid Husain. Hamilton, ON, Canada; Gainesville, FL; Toronto, ON, Canada.
- B105 Outcomes Following Reduction of Immunosuppression in Solid Organ Transplant Recipients with Cryptococcosis**
Paul Bryant, Peter Pappas, Carrie Huisingh, Roslyn Mannon, Jayme Locke, Keith Wille, Devin Eckhoff, Jose Tallaj, John Baddley. Birmingham, AL.
- B106 MicroRNAs and Long Non-Coding RNAs as Potential Novel Biomarkers in Transplanted Patients with Candida Infection**
Anli Yang, Chan Zhou, Dian Li, Weiqiang Ju, Zhiyong Guo, Linwei Wu, Anbin Hu, Yi Ma, Dongping Wang, Xiaofeng Zhu, Xiaoshun He. Guangzhou, Guangdong, China; Boston, MA.
- B107 Incidence of Fungal and Viral Infections Following Rituximab Use in Kidney Transplant Recipients**
Lana Wong, Michael Ison, Chad Richardson, Katie Cunningham, Carly D'Agostino, Christine Tseng, Aneesha Shetty. Chicago, IL.
- B108 Identifying Risks and Screening Deceased Organ Donors in the UK for *Trypanosoma cruzi***
Ines Ushiro-Lumb, Mhairi Webster, Alan Kitchen. London, United Kingdom.
- B109 Strongyloides Infection in Solid Organ Transplant Recipients: A Single Center Experience and Review of the Literature**
Hanine E. El Haddad, Vagish S. Hemmige, Amelia K. Sofjan, Todd M. Lasco, Alejandro Restrepo. Houston, TX.
- B110 Risk Factors for Cryptococcal Disease in Transplant as Compared with Non-Transplant Patients: A Single Center Study**
O. Beiard, O. Garner, R. Humphries, J. Schaenman. Los Angeles, CA.
- B111 Prevalence of Cutaneous Disease in Solid Organ Transplant Recipients: A 5-Year Study from a Medical -Surgical Transplant Dermatology Center**
Rina M. Allawh, Allison Weiffenbach, Kumar S. Nadhan, Mark Abdelmalek, Carrie Ann Cusack, Christina Chung. Philadelphia, PA.
- B112 The Incidence and Outcomes of Fever of Unknown Origin After Pancreas Transplantation**
Robin Klasek, Samantha A. Kuten, Samir J. Patel, Duc T. Nguyen, Edward A. Graviss, A. Osama Gaber, Richard J. Knight. Houston, TX; Cary, NC.

Ischemic Injury and Organ Preservation Session II

- B113 † AAV8 Delivery of TIMP-1 Prevents Hepatocyte Apoptosis After Liver Ischemia/Reperfusion Injury**
Sergio Duarte, Patrick Matian, Mary Miller, Ronald W. Busuttil, Ana J. Coito. Los Angeles.
- B114 † Estrogen Receptor Alpha Mediates Female Protection from Renal Ischemia-Reperfusion Injury Through Mechanisms Extrinsic to the Kidney**
David D. Aufhauser, Douglas Murken, Zhonglin Wang, Guanghui Ge, Seth J. Concors, Tricia Bhatti, Wayne W. Hancock, Matthew H. Levine. Philadelphia, PA.
- B115 Myeloid HO-1 Regulates M2 Macrophage Activation in Liver Ischemia-Reperfusion Injury (IRI)**
Kojiro Nakamura, Min Zhang, Shoichi Kageyama, Bibo Ke, Rebecca A. Sosa, Elaine F. Reed, Ali Zarrinpar, Ronald W. Busuttil, Jesus A. Araujo, Jerzy W. Kupiec-Weglinski. Los Angeles, CA.
- B116 Impact of STEEN vs Gelofusine as Perfusate During Normothermic Ex Vivo liver Perfusion on Outcome of Pig Liver Transplantation**
Ivan Linares, Dagmar Kollmann, Juan Echeverri, Moritz Kath, Roizar Rosales, Claudia Bruguera, Matyas Hamar, Peter Urbanellis, Sujani Ganesh, Nazia Selzner, Markus Selzner. Toronto, ON, Canada.
- B117 Effects of the Gut-Liver Axis on Ischemia-Mediated Hepatocellular Carcinoma Recurrence in the Mouse Liver**
Lorenzo A. Orci, Stéphanie Lacotte, Vaihere Delaune, Graziano Oldani, Florence Slits, Carlo Rossetti, Laura Rubbia-Brandt, Philippe Morel, Christian Toso. Geneva, Switzerland; Varese, Italy.
- B118 DNA Hypermethylation Caused by Ischemia in Kidney Transplants Predicts Future Chronic Injury to the Allograft**
Line Heylen, Bernard Thienpont, Maarten Naesens, Jeroen Depreeuw, Pieter Busschaert, Dirk Kuypers, Ina Jochmans, Diethard Monbaliu, Jacques Pirenne, Diether Lambrechts, Ben Sprangers. Leuven, Belgium.
- B119 Combined Perfusion of Liver and Kidney Enhances the Protective Effects of Normothermic Perfusion on Donation After Cardiac Death Porcine Livers**
Zhiyong Guo, Fei Ji, Xiaoshun He, Guodong Chen. Guangzhou, China.
- B120 Extended Ex Vivo Kidney Perfusion Using Hemopure as an Oxygen Carrier: A Method to Preserve, Assess and Repair Discarded Organs**
Fermin M. Fontan, Mohamed M. Aburawi, Negin Karimian, Korkut M. Uygun, Francis L. Delmonico, Heidi Yeh, James F. Markmann. Boston, MA.
- B121 Normothermic Ex-Vivo Kidney Perfusion Improves Function of Extreme Marginal Renal Grafts Subjected to Prolonged Ischemia**
Peter Urbanellis, Matyas Hamar, Ivan Linares, Dagmar Kollmann, Clarissa Cassol, Rohan John, Paul M. Yip, Istvan Mucsi, Anand Ghanekar, Darius J. Bagli, David R. Grant, Lisa A. Robinson, Markus Selzner. Toronto, ON, Canada.
- B122 TIMP-3 Plays a Key Regulatory Role in the Cleavage of E-Cadherin and Has an Essential Protective Function in Hepatic IRI**
Takehiro Fujii, Sergio Duarte, Ronald W. Busuttil, Ana J. Coito. Los Angeles, CA.
- B123 Histone Deacetylase Inhibition Mitigates Liver Ischemia/Reperfusion Injury in Mice**
Douglas R. Murken, David D. Aufhauser Jr, Seth Concors, Zhonglin Wang, Guanghui Ge, Wayne W. Hancock, Matthew H. Levine. Philadelphia, PA.

- B124** **Dual Role for Caspase-3 in the Regulation of Tubular and Microvascular Damage Post-Renal Ischemia-Reperfusion Injury**
Bing Yang, Shanshan Lan, Natalie Patey, Julie Turgeon, Mélanie Dieudé, Marie-Josée Hébert. Montreal, QC, Canada; Edmonton, AB, Canada.
- B125** **Isoflurane Precondition Alleviated Murine Liver Ischemia and Reperfusion Injury by Restoring AMPK/mTOR-Mediated Autophagy**
Zhuqing Rao, Haoming Zhou, Xiongxiang Pan, Mei Gao, Zhongyun Wang, Jie Sun, Cunming Liu, Zhengnian Ding. Nanjing, Jiangsu, China.
- B126** **Proteasome Modulation an Effective Strategy to Ameliorate Steatotic Liver Grafts Viability After Preservation**
Mohamed Amine Zaouali, Arnau Panisello Roselló, Teresa Carbonell, Agustín García-Gil, Alexandre Lopez, René Adam, Joan Rosello-Catafau. Barcelona, Spain; Zaragoza, Spain; Paris, France.
- B127** **Gene Editing of Keap1/Nrf2 in Human T Cells Using CRISPR-Cas9 to Improve Outcome from Ischemia Reperfusion Injury and Other T Cell Mediated Diseases**
Sanjeev Noel, Sul A. Lee, Mohanraj Sadasivam, Abdel R. A. Hamad, Hamid Rabb. Baltimore, MD.
- B128** **Novel Application of Localized Nanodelivery of Anti-IL6 Protects Organ Transplant from Ischemia Reperfusion Injuries**
Mayuko Uehara, Zhabiz Solhjoui, Baharak Bahmani, Omar H. Maarouf, Takaharu Ichimura, Craig R. Brooks, Wanlong Xu, Vivek Kasinath, Naima Banouni, Abdala Elkhal, Indira Guleria, Martina McGrath, Stefan G. Tullius, Reza Abdi. Boston.
- B129** **Nuclear Co-Repressor Complex Inhibition Reverses Benefit of HDAC2 Deletion in Renal Ischemia**
David D. Aufhauser Jr, Douglas Murken, Zhonglin Wang, Arabinda Samanta, Guanghui Ge, Tricia Bhatti, Philip A. Cole, Jay Kalin, Wayne W. Hancock, Matthew H. Levine. Philadelphia, PA; Baltimore, MD.
- B130** **Measurement of Dissolved Oxygen by ¹⁹F MRI of Microcapsules Implanted IP in Non-Human Primates**
Susan Safley, Melanie L. Graham, Michael Garwood, Klearchos Papas, Bradley Weegman, Graham Barber, Edward Lin, Johannes Leisen, Athanassios Sambanis, Bernhard Hering, Collin Weber. Atlanta, GA; Minneapolis, MN; Charleston, SC; Tucson, AZ.
- B131** **Prolonged Liver Ischemia Triggers Necrotic Depletion of TIM4+ Kupffer Cells to Facilitate Tissue Inflammatory Immune Activation in Liver Ischemia-Reperfusion Injury**
Han Wang, Shi Yue, Ming Ni, Ronald Busittil, Jerzy Kupiec-Weglinski, Ling Lu, Yuan Zhai. Los Angeles, CA; Nanjing, Jiansu Province, China.
- B132** **EPOR₂/βcR₂-Independent Effects of Low-Dose Epoetin-a in Porcine Liver Transplantation**
Linus Kebschull, Felix Becker, Leon Theilmann, Barbara Heitzplatz, Wencke Uennigmann, Hans U. Spiegel, Daniel Palmes. Münster, Germany.
- B133** **Porcine Albumin Elaboration During Perfusion of Transgenic Porcine Livers with Human Blood**
Arielle Cimeno, Jessica M. Powell, Beth M. French, David Ayares, Agnes M. Azimzadeh, Robin N. Pierson III, Rolf N. Barth, John LaMattina. Baltimore, MD; Blacksburg, VA.
- Kidney Complications II**
- B134** **Effect of Blood Pressure Just Before Release of the Vascular Clamps on the Renal Function of Kidney Transplantation Recipients: A Retrospective Study**
Kazuma Tsujimura, Morihito Ota, Hideki Ishida, Kazunari Tanabe. Tomishiro-shi, Okinawa, Japan; Shinjuku-ku, Tokyo, Japan.
- B135** **Early Failure of Kidney Transplants in the Current Era**
Ilkka Helanterä, Marko Lempinen. Helsinki, Finland.

- B136** **Longer Anastomotic Time Leads to Delayed Graft Function**
Munish Kumar Heer, Paul Raymond Trevillian, Adrian Donald Hibberd. Newcastle, NSW, Australia.
- B137** **Outcome and Risk Factors of Recurrent Focal Segmental Glomerulosclerosis After Kidney Transplantation**
Guodong Chen, Chang Wang, Zixuan Wu, Jin Zhang, Shuangjin Yu, Changxi Wang, Jiang Qiu, Lizhong Chen. Guangzhou, China.
- B138** **Angioplasty versus Stent in the Treatment of Transplant Renal Artery Stenosis**
Ling-Xin Chen, Ghaneh Fananapazir, Heejung Bang, Mehul Gandhi, Muna Alnimri, Brian Gallay, Angelo De Mattos. Sacramento, CA; Davis, CA.
- B139** **Short Term Renal Allograft Outcomes Following Treatment of Early Subclinical Borderline Changes on Surveillance Biopsies**
Chrystina James, Kenneth Woodside, Jeong Park, Abhijit Naik, Evan Farkash, Randall Sung, Milagros Samaniego, Yihung Huang. Ann Arbor, MI.
- B140** **Predictive Value of Serum Biomarkers of Autoimmunity for Recurrence of IgA Nephropathy After Kidney Transplantation**
Nicolas Maillard, Hitoshi Suzuki, Hesham Mohey, Christophe Mariat, Jan Novak, Bruce Julian, Francois Berthoux. Saint Etienne, France; Tokyo, Japan; Birmingham, AL.
- B141** **A2 Incompatible Kidney Transplantation: A Single Center Experience**
L. Kamal, M. Ajaimy, M. Lubetzky, G. DeBoccardo, P. Bedi, S. Greenstein, J. Rocca, J. Graham, M. Kinkhabwala, A. Chokeychanchaisakul, A. Courson, E. Akalin. NY.
- B142** **Outcomes of Renal Disease Related to Monoclonal Gammopathy After Kidney Transplantation: A Single Center Experience**
T. Kaur, E. Poggio, S. Nurko. Cleveland.
- B143** **Alternations in Amplitude of Low Frequency Fluctuation in Renal Allograft Recipients That Received Tacrolimus or Sirolimus: An fMRI Study**
Jiqui Wen, Xufeng Ni, Long Wu, Gang Zheng, Longjiang Zhang, Jinsong Chen. Nanjing, China.
- B144** **Contrast-Induced Acute Kidney Injury in Kidney Transplant Recipients: A Meta-Analysis**
Wisit Cheungpasitporn, Charat Thongprayoon, Michael A. Mao, Shennen A. Mao, Matthew R. D'Costa, Wonngarm Kittanamongkolchai, Kianoush B. Kashani. Rochester, MN; Rochester.
- B145** **Model to Predict Prolonged Delayed Graft Function (DGF) Following Kidney Transplantation from Deceased Donor with Acute Kidney Injury (AKI Tx)**
R. Heilman, B. Smith, C. Johnson, H. Khamash, K. Reddy, W. Kremers, B. Kaplan. Phoenix, AZ; Rochester, MN.
- B146** **Graft Loss from Anti-GBM Nephritis: A Rare Event in Alport Syndrome, Even with a Severe COL4A5/A4/A3 Mutation**
Valentine Gillion, Karin Dahan, Eric Goffin, Jean-Pierre Cosyns, Michel Jadoul, Martine De Meyer, Michel Mourad, Yves Pirson, Nada Kanaan. Brussels, Belgium; Gosselies, Belgium.
- B147** **Predictive Value of Renal Transplant Scintigraphy for the Duration of Delayed Graft Function**
Stan Benjamens, Robert A. Pol, Andor W. J. M. Glaudemans, Stefan P. Berger, Riemer H. J. A. Slart. Groningen, Netherlands.
- B148** **Healthcare Resource Utilization for Patients with Donor-Specific Antibodies Post-Kidney Transplantation**
B. Ho, H. Bhagat, E. Lee, K. Atiemo, A. Daud, R. Kang, S. Montag, L. Zhao, J. Schwartz, D. Ladner. Chicago; Northbrook; Atlanta.

- B149** **De Novo Donor-Specific Antibody Formation After Kidney Re transplant Is Associated with Specificity Against Class I**
K. Atiemo, B. Ho, H. Bhagat, E. Lee, A. Daud, R. Kang, S. Montag, L. Zhao, J. Schwartz, D. Ladner. Chicago; Northbrook; Atlanta.
- B150** **Acthar in Recurrent Focal Segmental Glomerular Sclerosis After Kidney Transplantation**
Tarek Alhamad, John M. Dieck, Vikas Vujjini, Bilal Kanawati, Daniel C. Brennan, Nada Alachkar. St. Louis; Baltimore.
- B151** **Recurrent Lupus Nephritis in a Multi-Ethnic Kidney Transplant Population**
Ignatius Tang, Asa Deep Koganti, Suman Setty, Sanjeev Akkina. Chicago, IL.
- B152** **Significance of Thrombotic Microangiopathy in Renal Allografts**
B. Handan Ozdemir, Alev Ok Atilgan, Mehmet Haberal. Ankara, Turkey.
- B153** **Long-Term Outcomes Among Slow versus Delayed or Immediate Graft Function Kidney Transplant Recipients: A Single-Center Experience**
Iman Bajjoka, Alexander S. Yaldo, Catherine Crombez, Marwan S. Abouljoud. Detroit, MI.
- B154** **Long-Term Immunosuppression Adherence After Kidney Transplant and Relationship to Allograft Histology**
Elizabeth C. Lorenz, Byron H. Smith, Fernando G. Cosio, Nilay D. Shah, Paul N. Groehler, Jayson S. Verdick, Walter D. Park, Mark D. Stegall. Rochester.
- B155** **Streamlining Discharge Pathways in Kidney Transplant Recipients with Delayed Graft Function**
Emilie Chan, Joseph Kim. Toronto, ON, Canada.
- B156** **Acute Rejection in 6 Antigen HLA Matched Kidney Transplant Recipients: Risk Factors and Outcomes**
Amanda Condon, Brad Astor, Kim Holdener, Tom Ellis, Arjang Djamali. Madison, WI.
- B157** **Eculizumab Treatment on GC3 Recurrence on Renal Graft**
Guillaume Jeantet, Dominique Bertrand, Arnaud Lionet, Dany Anglicheau, Veronique Fremeaux-Bacchi, Moglie Le Quintrec. Montpellier, France; Lille, France; Rouen, France; Paris, France.
- B158** **The Adoption of Generic Immunosuppressant Medications Among Kidney and Liver Transplant Recipients Using the Colorado All Payer Claims Database**
Q. Liu, A. Smith, J. Park, M. Oguntimein, S. Dutcher, G. Bello, M. Helmuth, M. Turenne, R. Balkrishnan, M. Fava, P. Sharma, C. Beil, A. Leichtman, J. Zee. Ann Arbor, MI; Silver Spring, MD; Charlottesville, VA.
- B159** **Immunosuppressant Costs for Medicare Part D and Kidney Transplant Recipients Since the Introduction of Generic Formulations in an Incident Kidney Transplant Population**
M. Helmuth, M. Turenne, J. Park, Q. Liu, M. Oguntimein, S. Dutcher, R. Balkrishnan, J. Zee, A. Smith, A. Leichtman. Ann Arbor, MI; Silver Spring, MD; Charlottesville, VA.
- B160** **A Phase Ib, Open Label, Single Arm Study to Assess the Safety, Pharmacokinetics and Impact on Humoral Sensitization of SANGUINATE Infusion in Patients with End-Stage Renal Disease**
B. G. Abu Jawdeh, E. S. Woodle, A. Leino, T. Dorst, M. Abdallah, A. Govil, D. Byczkowski, H. Misra, A. Abuchowski, R. R. Alloway. OH; NJ.
- B161** **Renal Transplant Outcomes in Primary FSGS Compared with Other Recipients: A National Review of the Irish Transplant Registry**
Sarah Cormican, Claire Kennedy, Patrick O'Kelly, Brendan Doyle, Anthony Dorman, Peter Conlon. Dublin, Ireland.
- B162** **Continuation of Immunosuppression Appears to Protect Against Allosensitization in Patients Listed for a Second Kidney Transplant**
Sarat Kuppachi, Marion Sanders, Roberto Kalil, Zoe Stewart, Christie Thomas. Iowa City, IA.

- B163 Treatment of Post-Transplant Nephrotic Syndrome with Adrenocorticotrophic (ACTH) Gel**
Ali Khalil, Abdullah Karabala, Asif Sharfuddin, Monica Grafals. Washington DC; Indianapolis.
- B164 Evaluating Patients' Experiences Towards Their Immunosuppressive Treatment: A Way to Improve Adherence**
Claire Villeneuve, Muriel Grau, Marie Essig, Stéphanie Hegarat, Justine Zoughbi, Pierre Marquet, Caroline Monchaud. Limoges, France.
- B165 Long-Term Outcomes of Kidney Transplant Recipients with Primary Idiopathic Focal Segmental Glomerulosclerosis (FSGS)**
Dmytro Khadzhynov, Fabian Halleck, Lukas Lehner, Eva Schrezenmeier, Klemens Budde, Oliver Staeck. Berlin, Germany.
- B166 Costimulatory Blockade in Delayed Graft Function**
Jon Von Visger, Alejandro Diez, Uday Nori, Todd Pesavento, Ronald Pelletier, Amer Rajab, Ashraf El Hinnawi, Holli Winters. Columbus, OH.
- B167 Eculizumab Dose Reduction Is Safe by Monitoring Eculizumab Pre-Dose Level and Functional Complement Assays**
Marielle A. C. Gelens, Thomas R. A. Havenith, Jan Damoiseaux, Maarten H. L. Christiaans. Maastricht, Netherlands.
- B168 Impact of Induction Immunosuppression on the Recurrence of Primary IgA Nephropathy**
Kyo Won Lee, Chan Woo Cho, Nuri Lee, Kyeong Sik Kim, Seounghyun Kim, Ji Soo Lee, Jonghwan Lee, Hyojun Park, Jae Berm Park, Sungjoo Kim. Seoul, Korea.
- B169 Daratumumab for Severe Refractory Proliferative Glomerulonephritis with Monoclonal Immune Deposits (PGNMID)**
Sanjiv Anand, Dylan Miller, Gregory Chipman, Donald Morris, Titte Srinivas. Salt Lake City, UT.
- B170 † The Value of Protocol Biopsy at Third Month After Kidney Transplant: A Single-Center Cohort Analysis**
Rodrigo J. Rosado-Canto, Carlos Barrientos-Aguilar, Idalia Parra-Avila, Lluvia A. Marino, Mauricio Arvizu-Hernandez, Norma O. Uribe-Urbe, Luis E. Morales-Buenrostro. Mexico City, Mexico.
- B170.1 † Classification of Fibromuscular Dysplasia in Kidney Donors Based on Severity and Extent of Lesion**
Maria L. Gonzalez Suarez, Hatem Amer, Insara Jaffer, Terri J. Vrtiska, Andrew Rule, Mikel Prieto, Stephen Textor. Rochester.
- Kidney Immunosuppression: Induction Therapy**
- B171 † Clinical and Pathologic Characteristics of Acute Rejection After Alemtuzumab Induction in Kidney Transplant Recipients**
P. Zhang, H. Amer, C. A. Schinstock, M. P. Alexander, F. G. Cosio, M. D. Stegall, L. D. Cornell. Rochester.
- B172 † Course of Donor Specific Anti-HLA Antibodies After Induction Therapy with Rituximab in Renal Transplantation**
Marije C. Baas, Wil A. Allebes, Martijn van den Hoogen, Irma Joosten, Luuk B. Hilbrands. Nijmegen, Netherlands; Nijmegen, Netherlands; Rotterdam, Netherlands.
- B173 Does Choice of Induction Agent Affect Outcomes in Kidney Transplants from Deceased Donors with Acute Kidney Injury and Prolonged Cold Ischemia Time?**
Geoffrey K. Dube, Sumit Mohan, Mariana Chiles. New York, NY.
- B174 Understanding the Role of Induction Agents in Older versus Younger Kidney Transplant Recipients**
Qiong Huang, Fawaz A. I. Ammary, Mara McAdams-DeMarco, Dorry Segev. Baltimore, MD.

- B175 Long-Term Persistence of Anti-HLA Antibodies in Renal Transplant Recipients: Risk Factors and Impact on Clinical Course**
Isabel I. Perez-Flores, Jose Luis J. L. Santiago, Beatriz B. Rodriguez-Cubillo, Maria Angeles M. A. Moreno De La Higuera, Virginia V. Lopez De La Manzanara, Jose J. Bautista-Cañas, Natividad N. Calvo Romero, Amir A. I. Shabaka, Elena E. Urcelay, Ana Isabel A. I. Sanchez-Fructuoso. Madrid, Spain.
- B176 Renal Transplant Patient Outcomes Following Plasmapheresis, Thymoglobulin and Rituximab Induction for High Risk DSA Positive Recipients**
Elizabeth M. Lessmann, Mozhgon Moaddab, Melissa Manson, Adith Ram, Ronald H. Kerman, Peter Jindra. Houston, TX.
- B177 De Novo Malignancy Occurrence After Kidney Transplantation in HLA-Sensitized Patients Treated with B-Cell Targeting Therapy**
Lionel Couzi, Philippine Davis, Jonathan Visentin, Benjamin Taton, Gwendaline Guidicelli, Hannah Kaminski, Pierre Merville, Thomas Bachelet. Bordeaux, France.
- B178 Optimal Induction Therapy for Kidney Transplantation in Previous Heart Transplant Recipients: Analysis of OPTN/UNOS Registry**
Marcelo S. Sampaio, Sabiha M. Hussain, Bhavna Chopra, Kalathil K. Sureshkumar. Pittsburgh, PA.
- B179 Role of Induction Therapy in Low Immune Risk Kidney Transplant Recipients: A Mate Kidney Analysis**
Marcelo S. Sampaio, Kalathil K. Sureshkumar. Pittsburgh, PA.
- B180 Alemtuzumab Induction Is Safe and Permits the Avoidance of Steroids in the Majority of Renal Transplant Recipients**
Adrienne Seitz, Matthew Robb, Niaz Ahmad, Adam McLean, David Taube, Rachel Johnson, Richard Baker. Leeds, United Kingdom; Bristol, United Kingdom; London, United Kingdom.
- B181 A Comparison of Medical Costs Among ABO-Compatible, -Incompatible and -Minor Mismatched Living Kidney Transplantation: A Single-Center Study**
Daiji Fujimori, Masayoshi Okumi, Kohei Ungami, Hideki Ishida, Kazunari Tanabe. Tokyo, Japan.
- B182 National Variation in US Kidney Transplant Induction Therapy**
Vikas Dharnidharka, A. Naik, T. Alhamad, D. Axelrod, M. Schnitzler, Z. Zhang, S. Bae, D. Brennan, D. Segev, H. Randall, M. Nazzal, R. Ouseph, B. Kasiske, K. Lentine. St. Louis, MO; Ann Arbor, MI; Greenville, NC; Baltimore, MD; Minneapolis, MN.
- B183 Induction Immunotherapy in ECD and DGF Kidneys: Does ECD Equal Diminishing Induction Returns?**
Meredith Barrett, Abigail R. Smith, Kenneth J. Woodside, Randall S. Sung. Ann Arbor.
- B184 Prospective Randomized Study to Evaluate the Efficacy and Safety of Rabbit Antithymocyte Globulin (rATG) 3mg/kg vs. 6mg/kg in Kidney Transplant Patients Under Steroid-Free and CNI Minimization Maintenance Immunosuppressive Regimen**
Tainá Sandes-Freitas, Jeronimo Junqueira, Jr, Celi Girão, Maria Luiza Oliveira, Ronaldo Esmeraldo. Fortaleza, Brazil.
- B185 Induction in the Elderly: A Comparison of Basiliximab versus Rabbit Anti-Thymocyte Globulin After Kidney Transplantation**
Jennifer H. Lee, Esther Liu, Meredith Aull, Sandip Kapur. New York, NY.
- B186 Induction Treatment with Rabbit Antithymocyte Globulin versus Basiliximab in Renal Transplant Recipients with Planned Early Steroid Withdrawal**
Steven Gabardi. Boston.

- B187 Infections and Outcomes in Renal Transplantation Patients Using Alemtuzumab for Induction Immunosuppression: Preliminary Results**
Katie Korneffel, Bradley Gehring, Graham Mitro, Olanrewaju Aboderin, Sarabjot Singh Makkar, Woojin Han, Michael Rees, Jorge Ortiz. Toledo, OH.
- B188 The Impact of Induction Therapy on Delayed Graft Function Following Kidney Transplantation in Mated Kidneys**
Thomas E. Butler, Nicole Hayde. Bronx, NY.
- B189 Early Rejection in the Elderly: Is It Predictable?**
J. Clark, T. Sparkes, B. Masters, S. Jonchhe, A. Haririan, B. Thomas, B. Ravichandran. Baltimore, MD.
- B190 Using Basiliximab Does Not Increase *De Novo* DSA Incidence but Reduces Cytomegalovirus Infections and Neoplastic Complications in Non-Sensitized Kidney Transplant Patients**
Marie Marron-Wojewodzki, Ilan Szwarc, Céline Rene, Jean-François Eliaou, Georges Mourad, Moglie Le Quintrec. Montpellier, France.
- B191 Clinical Outcomes of Kidney Transplant Recipients by Steroid Early Withdraw Protocol with Basiliximab Induction**
Yusuke Takada, Kiyohiko Hotta, Daiki Iwami, Haruka Higuchi, Takayuki Hirose, Hajime Sasaki, Nobuo Shinohara. Sapporo, Japan.
- B192 Incidence of Acute Rejection and Donor Specific Antibodies in Low-Immunological Risk Patients Treated by Tacrolimus and Mycophenolic Acid with or without Induction Therapy**
Olivier Marion, Arnaud Del Bello, Ines Ferrandiz, Laure Esposito, Nicolas Congy, Anne-Laure Hebral, Nassim Kamar. Toulouse, France.
- Liver Retransplantation and Other Complications**
- B193 † Impact of Inflammatory Bowel Disease on Survival and Risk of Retransplantation of Primary Sclerosing Cholangitis Patients Following Liver Transplantation: UNOS Data Analysis**
Omar Y. Mousa, Neej Patel, Juan E. Corral, David D. Lee, Justin H. Nguyen, Kristopher Croome, Denise Harnois. Jacksonville, FL.
- B194 † Reduced Rituximab with Prophylactic Antibiotic Treatment Improves the Infectious Complications in Patients Undergoing ABO-Incompatible Living Donor Liver Transplantation**
Shih-Chao Hsu, Ashok Thorat, Long-Bin Jeng, Horng-Ren Yang, Ping-Chun Li, Chun-Chieh Yeh, Te-Hung Chen, Kin-Shing Poon. Taichung, Taiwan.
- B195 Biliary Complications Following Liver Transplantation – Single-Center Experience Over Three Decades and Recent Risk Factors**
Alexander Kaltenborn, Andre Gutcke, Harald Schrem, Jill Gwiasda. Hannover, Germany.
- B196 Evaluation of Low Dose Valganciclovir for the Prevention of Cytomegalovirus in Liver Transplant Recipients**
Chelsey E. Payne, Jennifer I. Melaragno, David Hutchinson, Tara M. Babu, Paritosh Prasad, Travis B. Dick. Rochester, NY.
- B197 Outcomes Following Colectomy in Liver Transplant Recipients**
Sandra DiBrito, Yewande Alimi, Christine Haugen, Israel Olorundare, Dorry Segev, Jacqueline Garonzik-Wang. Baltimore.
- B198 Effect of Initial Hepatic Arterial Followed by Portal Reperfusion on Outcomes After Liver Transplantation**
Rauf Shahbazov, Feredun Azari, Jennifer Alejo, Michael Talanian, Michael Fox, Krista Kennedy, Samuel Kessel, Arash Nickkholgh, Daniel Maluf, Shawn Pelletier. Charlottesville, VA.

- B199 Identifying Independent Risk Factors for Graft Loss After Primary Liver Transplantation: A Propensity Score Matched Analysis**
Jill Gwiasda, Harald Schrem, Alexander Kaltenborn. Hannover, Germany.
- B200 Tenofvir Use Is Not Associated with Reduced Bone Density or Fractures in Liver Transplant Recipients**
Nicholas Lim, Conrad Engler, John R. Lake. Minneapolis, MN.
- B201 Optimizing Survival Outcomes for Advanced Age Patients Undergoing Liver Transplant**
J. Balogh, K. E. Lunsford, D. Nguyen, E. A. Gravis, A. Saharia, C. M. Mobley, S. Gordon Burroughs, O. Cercio, D. Victor, H. Monsour, A. O. Gaber, R. M. Ghobrial. Houston, TX.
- B202 Readmissions After Liver Transplantation—They May Be Predictable, but Are They Inevitable?**
B. O'Brien, C. Mardis, A. Mardis, J. Fleming, H. Meadows, N. Patel, N. Pilch, C. Perez, M. Sell, A. Rogers, I. Lee, J. McGillicuddy, K. Chavin, D. DuBay, David Taber. Charleston, SC.
- B203 Predictive Value of Post Reperfusion TEG in Peri-Operative Outcomes During Liver Transplant**
Patricia Sheiner, Amela Sulejamnovic, Justin Salm, Elizabeth Silver, Caroline Rochon. Hartford, CT.
- B204 Outcome of Liver Transplantation in Patients with Prior Bariatric Surgery**
Mohamed Safwan, Marwan S. Abouljoud, Reena Salgia. Detroit, MI.
- B205 Lactate Level Immediate Post-Liver Transplantation Is a Predictor of Early Allograft Dysfunction**
Kazuhiro Takahashi, Shunji Nagai, Mohamed Safwan, Krishna G. Putchakayala, Kelly M. Collins, Michael D. Rizzari, Atsushi Yoshida, Marwan S. Abouljoud, Syed-Mohammed R. Jafri. Detroit, MI; Tsukuba, Ibaraki, Japan.
- B206 Endoscopic Therapy of Bile Duct Strictures After Liver Transplant**
Heather L. Woller, Parvez Mantry, Alejandro Mejia, Stephen Cheng, Carlos Fasola. Dallas, TX.
- B207 Combined Endoscopic and Percutaneous Cholangiography for Biliary Anastomotic Stricture in Adult Right-Lobe Living-Donor Liver Transplantation**
Ashok Thorat, Wen-Hsin Huang, Cheng-Ju Yu, Cheng-Yuan Peng, Horng-Ren Yang, Chun-Chieh Yeh, Te-Hung Chen, Shih-Chao Hsu, Long-Bin Jeng. Taichung, Taiwan.
- B208 Risk Factors and Outcomes of Intracardiac Thrombosis During Orthotopic Liver Transplantation**
Waleed Al-Darzi, Mazen El-Atrache, Fawaz Georgie, Omar Sadiq, Sumit Singla, Christopher Fernandez, Robert Pompa, Dragos Galusca, Atsushi Yoshida, Syed-Mohammed Jafri. Detroit, MI.
- B209 Effective Thrombolytic Therapy of Hepatic Artery Thrombosis After Liver Transplantation – A Single-Center Experience**
Maogen Chen, Xiaohong Lin, Weiqiang Ju, Dongping Wang, Yi Ma, Linwei Wu, Xiaoshun He, Guodong Chen. Guangzhou, Guangdong, China.
- B210 Risk Analysis of Patients with Proven Coronary Artery Disease Undergoing Liver Transplant**
J. Balogh, K. E. Lunsford, D. Nguyen, E. A. Gravis, O. Cercio, C. M. Mobley, A. Saharia, S. Gordon Burroughs, A. O. Gaber, R. M. Ghobrial. Houston, TX.
- B211 Complications Requiring Reoperation After Pediatric Liver Transplantation**
Dor Yoeli, Jennifer M. Moffett, Kathleen E. Hosek, Ruth L. Ackah, Rohini R. Sigireddi, Michael L. Kueht, N. Thao N. Galvan, Ronald T. Cotton, Abbas Rana, Christine A. O'Mahony, John A. Goss. Houston, TX.
- B212 Relationship of Liver Extraction Times to Early Allograft Dysfunction and Post-Transplant Kidney Injury**
Dinee Simpson, Meera Gupta, Camille McAllister, Paige Porrett, David Goldberg, Matthew Levine, Kim Olthoff, Abraham Shaked, Peter Abt. Philadelphia, PA.

- B213** **Third Liver Transplantation, Outcomes and the Impact of Previous Graft Survival**
Mark E. Barry, Meera Gupta, David Goldberg, Matthew H. Levine, Dinee C. Simpson, Kim Olthoff, Abrahahm Shaked, Peter L. Abt. Philadelphia, PA.
- B214 †** **Molecular Adsorbent Recirculating System (MARS) Effectively Replaces Hepatic Function in Severe Acute Liver Failure**
Steven I. Hanish, Rolf N. Barth, Deborah M. Stein, Eno-obong Essien, Paul Thurman, Thomas M. Scalea, Stephen T. Bartlett. Baltimore, MD.
- B215** **A Novel Method for Detecting and Monitoring Chimerism in Patients with Graft versus Host Disease After Liver Transplantation**
Bo Peng, Hong Liu, Ke Cheng, Yujun Zhao, Xingguo She, Ying Niu, Quan Zhuang, Yingzi Ming. Changsha, Hunan, China.
- B216** **Statins in Liver Transplant Recipients: Rates of Use, Mortality and Rejection**
Ranya Selim, Ahmed Abdulhamid, Aishwarya Shyamraj, Andrew Watson, Jeffrey Tang, Syed-Mohammed Jafri. Detroit, MI.
- B217** **Identifying Risk of Sepsis Early: A Way to Improve Outcomes for Patients with Early Allograft Dysfunction After Liver Transplantation?**
Dieter P. Hoyer, Tamas Benko, Georgios C. Sotiropoulos, Andreas Paul, Fuat H. Saner. Essen, Germany.
- B218** **Safety of Statin Therapy After Liver Transplantation**
Meghan Glynn, Arin Jantz, Bryant Summers, Reena Salgia, Nimisha Sulejmani. Detroit, MI.
- B219** **Diabetes in Liver Transplantation: Evaluation of Management and Associated Clinical Outcomes**
Alex W. Rogers, Neha Patel, Holly Meadows, Andrew Mardis, James Fleming, Caroline Perez, Irene Lee, Megan Sell, Bailey O'Brien, David Taber, Kenneth Chavin, Derek Dubay, Caitlin Mardis, Nicole Pilch. Charleston, SC.

Living Donors and Partial Grafts

- B220 †** **Pre-Operative Desensitization for Live Donor Liver Transplantation with Strong Donor-Specific Antibodies**
Masato Fujiki, Koji Hashimoto, Aiwen Zhang, Federico Aucejo, Cristiano Quintini, Teresa Diago, Bijan Eghtesad, Charles Miller. Cleveland, OH.
- B221 †** **Desensitization Regimen for the Patients with High Isoagglutinin Titers to Undergo Adult ABO-Incompatible Living Donor Liver Transplantation**
Wei-Chen Lee, Chen-Fang Lee, Tsung-Han Wu, Yu-Chao Wang, Chih-Hsien Cheng, Ting-Jung Wu, Hong-Shiue Chou, Kun-Ming Chan. Taoyuan, Taiwan.
- B222** **Extending the Limit for Living Donor Liver Transplantation: Similar Outcomes After Left vs. Right Lobe Graft, a Propensity Score Analysis**
T. C. L. Wong, K. K. C. Ng, J. Y. Y. Fung, K. S. H. Chok, A. C. Y. Chan, C. M. Lo. Hong Kong, Hong Kong.
- B223** **Prolonged Cold Ischemia Time as a Risk for Low Regeneration at the Early Phase After Living Donor Liver Transplantation**
Kazuhiro Takahashi, Shunji Nagai, Mohamed Safwan, Krishna G. Putchakayala, Michael D. Rizzari, Kelly M. Collins, Atsushi Yoshida, Gabriel G. Schnickel, Marwan S. Abouljoud. Detroit, MI; Tsukuba, Ibaraki, Japan.
- B224** **De-Novo Portal Vein Thrombosis After Adult-to-Adult Living Donor Liver Transplantation (LDLT) Does Not Impact on Long-Term Outcome**
Ivan Linares, Nicolas Goldaracena, Roizar Rosales, Luis De La Maza, Juan Echeverri, Moritz Kathz, Dagmar Kollman, Nazia Selzner, Stuart A. McCluskey, Gonzalo Sapisochin, Leslie B. Lilly, Paul D. Greig, Mamatha Bhat, Anand Ghanekar, Mark Cattral, Ian McGilvray, David Grant, Markus Selzner. Toronto, ON, Canada.

- B225 Recovery from Hypophosphatemia as a Predictor of Post-Operative Morbidity in Live Donor Hepatectomy**
Oscar K. Serrano, Danielle Berglund, Varshita Goduguchinta, Apoorva Reddy, Jeremiah Menk, David M. Vock, Varvara Kirchner, Raja Kandaswamy, Arthur J. Matas, Timothy L. Pruett, Srinath Chinnakotla. Minneapolis, MN.
- B226 Patency of Autologous Portal Vein “Y” Graft in Anterior Sector Outflow Reconstruction in Adult Living Donor Right Lobe Grafts**
Sorabh Kapoor, Barun Nath, Vibha Varma, Shailesh Sable, Ashutosh Chauhan, Vinay Kumaran. Mumbai, Maharashtra, India.
- B227 Safety of Liver Donation from Living Donors with Sickle Cell Trait**
Hussien Elsiey, Mark Sturdevant, Waleed Al-Hamoudi, Hany Elbeshbeshy, Mohamed Al Sebayel, Ahmad Jaafari, Faisal Abaalkhail. Riyadh, Saudi Arabia.
- B228 Incidence and Outcomes of Re-Explorations in Living Donor Liver Transplantation**
Vibha Varma, Shailesh Sable, Sorabh Kapoor, Ashutosh Chauhan, Vinay Kumaran. Mumbai, Maharashtra, India.
- B229 Surgical Outcomes of Pair-Watch Suturing Technique (PWST) for Duct-To-Duct Biliary Anastomosis in an Attempt to Reduce the Biliary Complications in Living Donor Liver Transplantation**
Akihiro Tanemura, Yusuke Iizawa, Hiroyuki Kato, Yasuhiro Murata, Naohisa Kuriyama, Yoshinori Azumi, Masashi Kishiwada, Shugo Mizuno, Masanobu Usui, Hiroyuki Sakurai, Shuji Isaji. Tsu, Japan.
- B230 Incidence of Late-Onset Complications Related to Immunosuppressive Drugs Following Adult to Adult Living Donor Liver Transplantation, Especially Focusing on De Novo Malignancy**
Shugo Mizuno, Yusuke Iizawa, Hiroyuki Kato, Yasuhiro Murata, Akihiro Tanemura, Naohisa Kuriyama, Masashi Kishiwada, Masanobu Usui, Hiroyuki Sakurai, Shuji Isaji. Tsu, Japan.
- B231 The ‘W’ Technique: A Safe and Reproducible Technique for Hepatic Arterial Reconstruction in Living Donor Liver Transplantation**
Vinay Kumaran, Vibha Varma, Sorabh Kapoor, Barun Nath, Ashutosh Chauhan, Shailesh Sable, Kapildev Yadav, Suneed Kumar, Swapnil Sharma. Mumbai, India.
- B232 Living Donor Liver Transplantation for Alcoholic Liver Disease**
Hillary J. Braun, Jennifer L. Dodge, John P. Roberts, Nancy L. Ascher. San Francisco, CA.
- B233 Readmission and Reoperation After Living Donor Hepatectomy**
Sorabh Kapoor, Barun Nath, Vibha Varma, Shailesh Sable, Ashutosh Chauhan, Vinay Kumaran. Mumbai, India.
- B234 Are Drains Required After Donor Hepatectomy?**
Swapnil Sharma, Suneed Kumar, Kapildev Yadav, Shailesh Sable, Ashutosh Chauhan, Sorabh Kapoor, Vibha Varma, Vinay Kumaran. Mumbai, Maharashtra, India.
- B235 Technique and Result of Anastomosing Right Hepatic Vein to Inferior Vena Cava with a Separate Cavotomy Inferior to Right Hepatic Vein Orifice**
Rakesh Rai, Esha Gaurang Trivedi, Imran Shaikh, Sanjay Nagral, Nilesh Doctor. Mumbai, Maharashtra, India.
- B236 Heterotopic Auxiliary Liver Transplantation(ALTx) – Revisited**
Varvara Kirchner, Emmanuel Minja, Srinath Chinnakotla, Raja Kandaswamy, William Payne, Timothy Pruett. Minneapolis.
- B237 Reasons for Racial Disparities in Living Donor Liver Transplants (LDLT)**
M. McCauley, D. Goldberg, L. Nephew, R. Kalman, K. Forde. Philadelphia, PA.
- B238 Kinetics of Liver regeneration in Donors After Living Donor Living Transplant**
Shailesh Sable, Sharad Maheshwari, Rahul Jadhav, Kapildev Yadav, Swapnil Sharma, Suneed Kumar, Ashutosh Chauhan, Sorabh Kapoor, Vibha Varma, Vinay Kumaran. Mumbai, Maharashtra, India.

Lung Transplantation Poster Session

B239 † The Impact of Insurance Status on Waiting List and Post-Lung Transplant Survival in Patients with Cystic Fibrosis

Carli Lehr, M. Skeans, E. Dasenbrook, Maryam Valapour. Cleveland, OH; Minneapolis, MN.

B240 † Outcomes After Lung Transplant: Being a Teenager Does Not Stop at Age 18

R. Scott Baker, Raheel Rizwan, Roosevelt Bryant III, Marc G. Schechter, Christopher Towe, James S. Tweddell, Farhan Zafar, David L. S. Morales. Cincinnati, OH.

B241 † Waitlist and Post-Lung Transplant Mortality Vary by Diagnosis for a Given Lung Allocation Score

Hasina Maredia, Mary Grace Bowring, Allan Massie, Shakirat Oyetunji, Christian Merlo, Robert Higgins, Dorry Segev, Errol Bush. Baltimore.

B242 † Felodipine Diminishes Decline in Glomerular Filtration Rate in Lung Transplanted Patients Treated with Cyclosporine: A Randomized Placebo Controlled Trial

Mads Hornum, Martin Iversen, Peter Oturai, Mads J. Andersen, Mikhail Zemtsovski, Pia Bredahl, Nina H. Bjarnason, Karl B. Christiansen, Jørn Carlsen, Christian H. Møller, Bo Feldt-Rasmussen, Michael Perch. Copenhagen, Denmark.

B243 † Preoperative Pulmonary Hypertension Is Not Associated with Adverse Outcomes After Lung Transplantation

Sreeja Biswas Roy, Michael Olson, Daniel Harned, Paul Kang, Roshan Panchanathan, A. Samad Hashimi, Jasmine Huang, Hesham Abdelrazek, Vipul Patel, Ashraf Omar, Ross M. Bremner, Michael A. Smith, Rajat Walia, Anantharam Kalya. Phoenix.

B244 Age and Gender Disparities in Post-Lung Transplant Mortality

Hasina Maredia, Mary Grace Bowring, Allan Massie, Shakirat Oyetunji, Christian Merlo, Robert Higgins, Dorry Segev, Errol Bush. Baltimore.

B245 Eliminating False Positive Virtual Crossmatch Results for Lung Transplant Candidates by Using Multiple Antibody Testing Platforms

Olga A. Timofeeva, Mohammed A. Kashem, Steven Geier, David Grogan, Suresh Keshavamurthy, Jesus Gomez-Abraham, Yoshiya Toyoda, Francis Cordova. Philadelphia, PA.

B246 Is Lung Allocation Score Associated with Waitlist and Post-Transplant Survival?

Hasina Maredia, Mary Grace Bowring, Allan Massie, Shakirat Oyetunji, Christian Merlo, Robert Higgins, Dorry Segev, Errol Bush. Baltimore.

B247 Age and Race Disparities Among Pediatric and Adult Cystic Fibrosis Lung Transplant Recipients

Hasina Maredia, Mary Grace Bowring, Allan Massie, Shakirat Oyetunji, Christian Merlo, Robert Higgins, Dorry Segev, Errol Bush. Baltimore.

B248 Effect of Statins on Influenza Vaccine Antibody Concentrations in Lung Transplant Recipients

Amanda J. Condon, Christine A. Garmoe, Mary S. Hayney. Madison, WI.

B249 Donor Smoking History Associated with Increased Risk of Death Following Lung Transplantation, but Lower Risk of Bronchiolitis Obliterans Syndrome

Sarah Burger, Michael Eberlein, John Keech, Evgeny Arshava, Tahuanty Pena, Sharon Larson, Julia Klesney-Tait, Kalpaj Parekh. Iowa City, IA.

B250 Role of HMG CoA Reductase Inhibitors on Time to Development of Chronic Lung Allograft Dysfunction Post-Lung Transplant

Amanda Szczepanik, A. Hulbert, H. Lee, C. Benedetti, L. Snyder, J. Byrns. Durham, NC.

B251 Propensity-Score Matched Comparison of Lung Transplant Recipients of Age <70 and ≥70 Years

Abul Kashem, Suresh Keshavamurthy, Jesus Gomez-Abraham, Tomo Yoshizumi, Huaqing Zhao, Francis Cordova, Gerard Criner, Yoshiya Toyoda. Philadelphia, PA.

- B252** **Is the Time of Appearance and Resolution of De Novo HLA-DP Donor Specific Antibodies Associated with Reduced Deleterious Effect on Lung Transplant Outcomes?**
Aiwen Zhang, Yuchu Sun, Kenneth McCurry, Marie Budev. Cleveland, OH; Willemstad, Netherlands Antilles.
- B253** **Lung Transplant Recipient Travel Distance to Transplant Center Does Not Impact Survival**
Wayne M. Tsuang, Songhua Lin, Jesse Schold, Maryam Valapour. Cleveland, OH.
- B254** **Long-Term Analysis of Combined Liver-Lung Transplant Outcomes at a Single-Center**
Kyle Freischlag, Brian Ezekian, Michael Mulvihill, Stuart Knechtle. Durham, NC.
- B255** **The Impact of Scleroderma Diagnosis on Lung Transplant Outcomes: A Single Center's Experience**
Humna Abid Memon, Adaani Frost, Ed Graviss, Duc Nguyen, Ahmad Goodarzi, Neeraj Sinha. Houston, TX.
- B256** **Outcomes of Combined Liver/Lung Transplantation for Cystic Fibrosis Using SRTR Analysis**
Jeffrey Halldorson, Khalid AlQahtani. San Diego, CA; Birmingham, AL.
- B257** **Impact of Pediatric Lung Transplant on Quality of Life Outcomes**
Tanya Lazor, Hartmut Grasemann, Melinda Solomon, Samantha J. Anthony. Toronto, ON, Canada; Toronto, Canada.
- B258** **C4d Immunohistochemistry in Lung Allograft Interstitial Capillaries Lacks Linear Correlation with Donor Specific Antibodies, yet It Is Still Diagnostically Relevant**
Yasmeen M. Butt, Tunc Gokaslan, Vaidehi Kaza, Fernando Torres, Jose R. Torrealba. Dallas, TX.
- B259** **HLA, ANA and ANCA Negative Vasculitis in Lung Transplantation Due to Overexpression of $\alpha 1$ Collagen V**
Elena Daoud, Yasmeen M. Butt, Fernando Torres, Torrealba R. Jose. Dallas, TX.
- B260** **Improving Vaccination Rates for Lung Transplant Candidates**
Manuel G. Cortez, Remzi Bag, Lisa Potter. Chicago, IL.
- B261** **Echinocandins in Lung Transplant Recipients (LTRs)**
Yamama AlJishi, Coleman Rotstein, Deepali Kumar, Atul Humar, Lianne G. Singer, Shaf Keshavjee, Shahid Husain. Toronto, ON, Canada.
- B262** **Risk of Venous Thromboembolism After Lung Transplant**
Rebecca Felkner, Amanda J. Condon, Katherine E. Rolling, Mary Hayney. Madison, WI.
- Pediatric Liver Transplant – Clinical**
- B263 †** **Liver Transplantation for Adolescents with Biliary Atresia in the PELD/ MELD Era: An Analysis of the UNOS Database**
Jaime Chu, Rachel Annunziato, Daisy Reinoso, Archana Ramaswami, Ronen Arnon. New York, NY; Bronx, NY.
- B264 †** **Inflammation, Impaired Energy Metabolism and Synthetic Failure Characterize the Liver Transcriptome of End-Stage Idiopathic Pediatric Acute Liver Failure (PALF)**
Mylarappa Ningappa, Patrick McKiernan, Robert H. Squires, Qing Sun, Brandon W. Higgs, Kyle Soltys, Geoffrey Bond, Chethan Ashokkumar, George Mazariegos, Rakesh Sindhi. Pittsburgh, PA.
- B265** **Identify Clinical and Masked Hypertension and Management Strategies in Pediatric Liver Transplant Patients**
Richard J. Hendrickson, Megan Davis, Ashley Sherman, Walter Andrews, James Daniel, Ryan Fischer, Douglas Blowey. Kansas City, MO.
- B266** **MMR and Varicella Immunity After Pediatric Liver Transplant**
Alix Waugh, Antone Opekun, Flor M. Munoz, Tamir Miloh. Houston.

- B267** **A Pilot Test of the “Individualized Self-Management Training in Adolescent/Young Adult Recipients of Transplantation (iSTART)” Program**
Emily M. Fredericks, Sally Eder, Diane Egleston, William Newhouse, Dennis O’Reilly, Gary L. Freed, John C. Magee, Ken Resnicow. Ann Arbor.
- B268** **Biliary Complications After Pediatric Liver Transplantation: A High Volume Living Donor Liver Transplantation Center Study of 237 Patients Over 27 Years**
Dongkyu Oh, Nam-Joon Yi, Sung Woo Ahn, Suk Kyun Hong, Kyung Chul Yoon, Hyo-Sin Kim, Hyeyoung Kim, Kwang-Woong Lee, Kyung-Suk Suh, Joon Koo Han, Min Uk Kim, Jeong Min Lee. Seoul, Korea.
- B269** **Liver Transplantation for Babies Weighing Less Than 10 kg**
Aydincan Akdur, Gokhan Moray, Figen Ozcay, Adnan Torgay, Mehmet Haberal. Ankara, Turkey.
- B270** **Use of Biodegradable Stents for the Treatment of Anastomotic Biliary Strictures in Pediatric Liver Transplant Patients**
Jesus Quintero, Javier Juamperez, Vanessa Cabello, Maria Mercedes Perez, Itxarone Bilbao, Jose Andres Molino, Ramon Charco. Barcelona, Catalunya, Spain.
- B271** **Comparing Outcomes Between Technical Variant Liver Allografts and Whole Allografts in Pediatric Liver Transplantation: A Single Center’s Experience**
Amy E. Gallo, Jacqueline Lee, Mihaela Damian, Dan J. Stoltz, Clark A. Bonham, Carlos Esquivel, Julianne Mendoza. Palo Alto, CA.
- B272** **Biliary Complications in Pediatric Liver Transplantation for Cystic Fibrosis: A Single-Center Experience with Choledochocholedochostomy**
Paul J. Rizk, Jennifer M. Moffett, Megan T. Vu, Ruth L. Ackah, Rohini R. Sigireddi, Milton J. Finegold, Christine A. O’Mahony, Abbas A. Rana, John A. Goss. Houston, TX.
- B273** **Acute Renal Replacement Therapy in Pediatric Liver Transplantation: A Predictor of Increased Risk**
Melissa Wong, Robert Venick, Vatche G. Agopian, Samer Ebaid, Sue V. McDiarmid, Ali Zarrinpar, Douglas G. Farmer, Ronald W. Busuttil, Fady M. Kaldas. Los Angeles, CA.
- B274** **Long-Term Pediatric Live-Donor Liver Transplantation Survivors: Patient and Allograft Outcomes**
N. Celik, A. Ganoza, G. Bond, K. Soltys, R. Sindhi, P. McKiernan, A. Humar, G. Mazariegos. Pittsburgh, PA.
- B275** **Conservative Management of Pneumatosis Intestinalis After Pediatric Liver Transplantation**
Richard J. Hendrickson, Jamie L. Ryan, Laura M. Dandridge, Walter Andrews, James Daniel, Ryan Fischer, Doug Rivard. Kansas City, MO.
- B276** **Variability in Tacrolimus Concentrations Across Pediatric Solid Organ Transplants**
Sandar Min, Tanya Daljevic, Odelia Lee, Marie-Eve Alary, Faye Murdoch, Rulan Parekh, Vicky Ng, Diane Hebert, Lorraine Hamiwka, Tom Blydt-Hansen, Veronique Phan, Patricia Birk, Upton Allen, Simon Urschel, CNTRP POSITIVE Research Group, Bethany Foster, Seema Mital. Toronto, Canada; Calgary, Canada; Winnipeg, Canada; Motreal, Canada; Edmonton, Canada; Montreal, Canada.
- B277** **Transcatheter Relief of Symptomatic Hepatic Venous Outflow Obstruction Following Pediatric Liver Transplantation**
Bryan H. Goldstein, Gregory M. Tiao, Maria H. Alonso, Neil D. Johnson, James E. Heubi, Konstantin Averin, John Bucuvalas. Cincinnati, OH.
- B278** **Percutaneous Direct Intrahepatic Portosystemic Shunt as a Bridge to Liver Transplantation in Pediatric Patients with Variceal Bleeding**
Dor Yoeli, N. Thao N. Galvan, Daniel J. Ashton, Kayla R. Kumm, Michael L. Kueht, Ellen D. Witte, Tamir A. Miloh, Ronald T. Cotton, Abbas Rana, Christine A. O’Mahony, John A. Goss. Houston, TX.

- B279** **Gastrointestinal Perforation After Liver Transplantation in Pediatric Patients**
Mahir Kirnap, Sedat Yildirim, Gokhan Moray, Adnan Torgay, Mehmet Haberal. Ankara, Turkey.
- B280** **Ornithine Transcarbamylase Deficiency (OTC) in the Donor Liver, the Importance of Ascertaining the Cause of Death in the Brain Dead Donor**
Mathew George, Gordon Thomas, Albert Shun, Michael Stormon. Sydney, NSW, Australia.
- B281** **Infectious Complications Following Hepatectomy for Pediatric Hepatoblastoma**
Sarah Jane Commander, Michael Kueht, Tu-Anh Ha, Abbas Rana, John Goss, Sanjeev Vasudevan. Houston, TX.
- B282** **Porta Systemic Shunts Helps Us to Delay or Avoid Liver Transplantation in Patients with Portal Hypertension Post Kasai Operation for Biliary Atresia**
Mathew George, Gordon Thomas, Albert Shun. Sydney, NSW, Australia.
- B283** **Rapid Regression of Xanthomata After Orthotopic Liver Transplantation for Alagille Syndrome**
Nhu Thao N. Galvan, Patrick Nguyen, Sarah Koohmaraie, Ronald T. Cotton, Abbas Rana, Christine A. O'Mahony, John A. Goss. Houston, TX.
- B284** **Digital Image Analysis of Pediatric Liver Allograft Biopsies Correlates with METAVIR Fibrosis Score**
Ryan T. Fischer, Sierra Foster, James F. Daniel, Richard J. Hendrickson, Walter S. Andrews, Alexander Kats. Kansas City, MO; Kansas City, KS.
- B285 †** **Pediatric Liver Transplantation for Alpha-1 Antitrypsin Deficiency: A UNOS Database Analysis**
Jacqueline Jossen, Rachel Annunziato, John McShane, Jaime Chu, Ronen Arnon. New York, NY; Bronx, NY.
- Surgical Issues (Minimally Invasive/Open): All Organs**
- B286** **Modular Training in Organ Procurement, in the Present Era of High BMI Donors: Validation by Results**
Hemant Sharma, Mauro-Tun Abraham, Ibrahim Al Hasan, Bijad Al-Harbi, Shahid Aquil, Alp Sener, Patrick P. Luke, Doug Quan. London, ON, Canada.
- B287** **Long-Term Follow-Up of the Safety and Effects of Bariatric Surgery on Immunosuppression in Post-Transplant Patients**
Andrei Keidar, Renana Yemini, Idan Carmeli, Eviatar Neshet, Janos Vinkler, Eytan Mor, Matan Bendavid. Tel Aviv, Israel.
- B288** **Bariatric Operations at a Service of the Transplant Surgery**
Andrei Keidar, Renana Yemini, Matan Ben David, Eviatar Neshet, Janos Vinkler, Marius Broun, Eytan Mor. Tel Aviv, Israel.
- B289 †** **Review of UK-Wide Practice of Pancreas Transplantation: Donor Selection, Back-Bench Preparation & Implantation Technique**
Hemant Sharma, Shiv Bhutani, David Vandellen, Tunde Campbell, Ravi Pararajasingham, Bence Forgacs, Afshin Tavakoli, Peter Friend, Titus Augustine, Raman Dhanda. London, ON, Canada; Manchester, United Kingdom; Toronto, Canada; Oxford, United Kingdom.
- B290** **Kidney Insertion Through Vagina and Robotic Assisted Laparoscopic Kidney Transplantation: A Pilot Study**
Pranjal Modi, Bipin Pal, Suresh Kumar, Ramya Nagarajan, Vivek Kothari, Manisha Modi, Veena Shah, Vivek Kute, Himanshu Patel, Hargovind Trivedi. Ahmedabad, India.
- VCA**
- B291** **Impact of Pretransplant Panel-Reactive Antibody Level on Ocular Surface Stem Cell Survival and Visual Outcome**
Amit Govil, Albert Y. Cheung, Enrica Sarnicola, Brad M. Genereux, Edward J. Holland. Cincinnati, OH.

- B292 † Distinctive Molecular Features of Antibody-Mediated versus T-Cell Mediated Rejection in Facial Transplantation**
Rachel Lopdrup, Thet Su Win, Naoka Murakami, Jessica Teague, Anil Chandraker, George Murphy, Christine Lian, Ericka Bueno, Bohdan Pomahac, Rachael Clark, Leonardo Riella. Boston, MA.
- B293 The Effect of Low-Dose IL-2 in Clinical Facial Transplantation: Molecular and Immunological Response**
Naoka Murakami, Thet Su Win, Thiago J. Borges, Christine G. Lian, George F. Murphy, Ericka M. Bueno, Rachael A. Clark, Terry B. Strom, Bohdan Pomahac, Leonardo V. Riella. Boston.
- B294 Contribution of Donor versus Recipient T Cells in Face Transplant Rejection**
Thet Su Win, Naoka Murakami, Inbal Avraham-Davidi, Jessica Teague, Elizabeth Lowry, Rachel Lopdrup, Ericka Bueno, Anil Chandraker, Leonardo Riella, Bohdan Pomahac, Rachael Clark. Boston; Cambridge.
- B295 Transient High Dose Tacrolimus Allows Tolerance of a Vascularized Composite Allograft Tolerance Across a Full MHC Mismatch**
Angelo A. Leto Barone, Howard D. Wang, Edward W. Swanson, Keli Kolegraff, Joseph Lopez, Georg Furtmüller, Byoungchol Oh, Sara Alfadil, Sara Mermulla, Justin M. Sacks, Steven C. Bonawitz, Giorgio Raimondi, Jaime T. Shores, Damon S. Cooney, W. P. Andrew Lee, Gerald Brandacher. Baltimore, MD.
- B296 Ex vivo Expanded Regulatory T cells Combined with Short-Term Costimulation Blockade Prevent Rejection of Vascularized Composite Allografts**
Byoung Chol Oh, Georg Furtmüller, Marcos Iglesias, Madeline Fryer, Paul J. Akre, Damon Cooney, W. P. Andrew Lee, Giorgio Raimondi, Gerald Brandacher. Baltimore, MD.
- B297 CTLA4-Ig, Vascularized Bone Marrow and Donor Bone Marrow Cells Successfully Negate the Development of Acute Skin Rejection of Vascularized Composite Allografts in MHC Class I Mismatched Recipients**
Ilse M. Schol, Zhi Y. Ng, Alexandre G. Lellouch, Amon-Ra Gama, Josef M. Kurtz, Curtis L. Cetrulo. Boston.
- B298 Preservation of Musculoskeletal Components in Vascularized Composite Allograft Skin Rejection**
E. Bryan Buckingham, Ali Khalifeh, Mehmet C. Uluer, Wessam Hassenein, Cinthia B. Drachenberg, Arthur J. Nam, William S. Twaddell, Stephen T. Bartlett, Rolf N. Barth. Baltimore, MD.
- B299 A Clinically Relevant Protocol for Vascularized Composite Allotransplantation Using a Single Dose of AMD3100 for Stem Cell Mobilization**
Bruce J. Swearingen, Scott S. Graves, Rainer Storb, David W. Mathes. Aurora, CO; Seattle, WA.
- B300 Systemic Immunosuppression in the Setting of Ocular Surface Stem Cell Transplantation**
Amit Govil, Albert Y. Cheung, Enrica Sarnicola, Edward J. Holland. Cincinnati, OH.
- Xenotransplantation**
- B301 Xenogeneic Lung Transplantation: Identifying Transgenes and Supportive Drug Treatments to Achieve Long-Term Survival**
L. Burdorf, C. Laird, N. O'Neill, T. Zhang, D. Parsell, I. Tatarov, A. Cimeno, S. Sendil, K. Thomas, C. J. Phelps, D. L. Ayares, A. M. Azimzadeh, R. N. Pierson III. Baltimore, MD; Blacksburg, VA.
- B302 Recognition of Islet Xenografts In Vivo by Non-Obese Diabetic (NOD) Insulin-Specific CD4 T Cells**
Ronald G. Gill, Wegmann Dale, Megan Crawford. Aurora, CO.

- B303 A Swine for Human MHC Class I Swap: Implications for Xenotransplantation**
Joseph M. Ladowski, Rafael Santos, Luz Reyes, Greg Martens, James R. Butler, Richard A. Sidner, Zheng-Yu Wang, Conor Cunningham, Matthew F. Tector, A. Joseph Tector. Birmingham, AL; Indianapolis, IN.
- B304 Binding of Human Neutrophils to Activated Porcine Endothelium Is Mediated by E-Selectin**
Chris T. Laird, Beth M. French, Lars Burdorf, Xiangfei Cheng, William E. Fogler, John L. Magnani, Carol Phelps, David Ayares, Agnes M. Azimzadeh, Richard Pierson. Baltimore; Rockville; Blacksburg.
- B305 Coagulation Pathway Perturbations Associated with Pig-to-Baboon Lung Xenotransplantation**
Selin Sendil, Beth M. French, Osama Siddiqui, Dawn M. Parsell, Chris Laird, Arielle Cimeno, Siamak Dahi, Lars Burdorf, Agnes M. Azimzadeh, Richard N. Pierson III. Baltimore, MD.
- B306 Lack of Xenograft Recipient Monitoring by Telemetry Lets Infection Go Unchecked and Trigger Coagulopathy**
Muhammad Mohiuddin, Avneesh Singh, Joshua Chan, Philip Corcoran, Billea Lewis, Marvin Thomas, David Ayares, Keith Horvath. Bethesda; Blackburgh.
- B307 The Role of Anti-Neu5Gc IgM in Xenograft Antibody Mediated Rejection**
Wessam Hassanein, Gheorghe Braileanu, Lars Burdorf, Wenji Sun, Beth M. French, Christopher Laird, Selin Sendil, Curie Ahn, David L. Ayares, Richard N. Pierson III, Agnes M. Azimzadeh. Baltimore, MD; Blacksburg, VA; Seoul, Korea.
- B308 Thrombalexin and Mirococept Synergistically Reduce IBMIR in a Porcine to Rhesus Xenoislet Model**
Miriam Manook, Jean Kwun, Janghoon Yoon, Kannan Samy, Andrea MacDonald, He Xu, Richard Smith, Anthony Dorling, Allan Kirk, Nizam Mamode, Stuart Knechtle. Durham, NC; London, United Kingdom.
- B309 CD4⁺/CD8⁺ T Cell Ratio as a Predictive Marker for Early Graft Failure in Pig to Non-Human Primate Islet Xenotransplantation with Immunosuppression**
Sowon Choi, Hyun-Je Kim, Il-Hee Yoon, Jung-Sik Kim, Seong-Jun Kang, Hye-Young Nam, Byoung-Hoon Min, Jun-Seop Shin, Jong-Min Kim, Yong-Hee Kim, Won-Woo Lee, Chung-Gyu Park. Seoul, Korea; Daegu, Korea.

Poster Session C

Poster Viewing: 9:30 am – 7:00 pm
Presenters in Attendance: 6:00 pm – 7:00 pm
Hall D1

C# indicates the board location where the poster will be displayed.

- † Those posters identified as an ATC Poster of Distinction by this symbol have received review scores that place them in the top 10% of their category. The Planning Committee encourages you to make them a priority when you visit the poster session.

Antibody and B Cell

- C1** **Detection of Specific B Cell Memory to the Perlecan LG3 Antigen in the Normal Immune Repertoire**
Lauriane Padet, Melanie Dieude, Bing Yang, Julie Turgeon, Heloise Cardinal, Marie-Josée Hebert. Montreal, Canada; Edmunton, Canada.
- C2** **Accelerated De-Novo Donor-Specific Antibody-Mediated Rejection in a Non-Human Primate Model of Renal Transplantation**
Juan S. Danobeitia, Peter J. Chlebeck, Jose R. Torrealba, Tiffany Zens, Laura J. Zitur, Anthony M. D'Alessandro, Luis A. Fernandez. Madison, WI.
- C3** **Effects of Tofacitinib (JAK-3 Inhibitor) on *De Novo* HLA-A2 Antibody Production in a Mouse Model of Allo-Sensitization**
Ning-Ning Chai, Gordon Wu, Irene Kim, Andrew Klein, Stanley Jordan. Los Angeles, CA.
- C4** **Differential Effect of Antibody Removal on ABO Blood Group Type Chain Specific Antibodies Over Time**
Andrew Bentall, Mylvaganam Jeyakanthan, Jean Pearcey, Bruce Motyka, Chris Cairo, Todd Lowary, Jillian Buriak, Lori West, Simon Ball. Birmingham, United Kingdom; Edmonton, Canada.
- C5** **Development of an Anti-HLA Antibody-Producing Humanized Mouse Model**
Senichiro Yanagawa, Hiroyuki Tahara, Hideki Ohdan. Hiroshima, Japan.
- C6** **Triptolide Alleviating Acute Antibody Mediated Rejection by Inhibition of B Cell Activation in Presensitized Recipients**
Daqiang Zhao, Siwen Li, Tao Liao, Yuan Wei, Xuefeng Hua, Fei Han, Zihuan Luo, Xiaonan Liu, Qiquan Sun. Guangzhou, Guangdong, China.
- C7** **Prevention of Donor Specific Antibody Production After Skin Allografting by Mobilization of Endogenous Stem Cells Using a Combination of AMD3100 and Low-Dose FK506 in Rats**
Ali R. Ahmadi, Le Qi, Russell Wesson, Frank J. M. F. Dor, James Burdik, Benjamin Philosophe, George M. Williams, Andrew M. Cameron, Zhaoli Sun. Baltimore, MD; London, United Kingdom.
- C8** **Blood Tfh Cells Exhibit Impaired B Cell Help in Operationally Tolerant Patients**
Richard Danger, Alexis Chenouard, Mélanie Chesneau, Stéphanie Castagnet, Pierrick Guérif, Nicolas Degauque, Magali Giral, Sophie Brouard. Nantes, France.
- C9** **Effects of Anti-HLA Antibodies on Endothelial Expression and Serum Levels of Thrombomodulin in Kidney Recipients**
Stephanie Beland, Olivier Desy, Patrice Valin, Sacha A. De Serres. Quebec, QC, Canada.
- C10** **APRIL/BLyS Inhibition Reduces Donor Specific Antibody in Sensitized Mice**
B. Bolt, N. A. Wilson Schlei, B. Verhoven, R. R. Redfield. Madison.
- C11** **Improved Mouse Renal Transplantation Model Simulating Clinical Antibody Mediated Rejection**
Daqiang Zhao, Siwen Li, Tao Liao, Xuefeng Hua, Fei Han, Zihuan Luo, Xiaonan Liu, Qiquan Sun. Guangzhou, Guangdong, China.
- C12** **Novel Insights into the Synergism of CD40 Autoantibodies and suPAR in Kidney Transplant Patients with FSGS Recurrence**
Tara Sigdel, Changli Wei, Flavio Vencenti, Jochen Reiser, Minnie Sarwal. San Francisco.

- C13** **Effect of Two Anti-CD20 Abs on B Cell Depletion and Reconstitution in Non-Human Primates**
Wenji Sun, Natalie O'Neill, Tianshu Zhang, Gheorghe Braileanu, Keith A. Reimann, Richard N. Pierson, Agnes M. Azimzadeh. Baltimore, MD; Boston, MA.
- C14 †** **Correlation of Complement Activating Donor Specific Antibodies as Measured by C3d and Cross-Match Status**
Adarsh Babu, Nithya Krishnan, David Briggs, Dan Mitchell, Sunil Daga. Coventry, United Kingdom; Birmingham, United Kingdom; Leeds, United Kingdom.
- C15 †** **Differential Suppressive Effects of Costimulatory Blockade (CD28/B7), Anti-IL6R, Bruton's Tyrosine Kinase and Janus Kinase Inhibition on *De Novo* vs. Recall Alloantibody Responses: Are Combined Drug Therapy Approaches Desirable?**
Irene Kim, Gordon Wu, Ning-Ning Chai, Andrew Klein, Stanley Jordan. Los Angeles, CA.
- C16** **Anti-HLA I Antibody Enhances Endothelial Cell-Induced Polarization of Human Monocytes to M2a/c-Like Macrophages**
Xuedong Wei, Nicole M. Valenzuela, Maura Rossetti, Elaine F. Reed. Los Angeles, CA.
- C17** **Positive Flow Crossmatch After Negative Virtual Crossmatch -A Single Center Experience**
Qingyong Xu, Steve Leckie. London, ON, Canada.
- C18 †** **Inhibition of Memory T Cell Alloresponses by TIM-1+ B Cells**
Bruno Gonzalez-Nolasco, Haley E. Tector, James F. Markmann, Gilles Benichou. Boston, MA.
- Deceased Donor Issues II: DCD, DGF, AKI, En-Bloc**
- C19 †** **Brain-Dead Donors Terminal Inflammation Is Associated to Delayed Graft Function in Kidney Transplant Recipients**
David Cucchiari, Diekmann Fritz, Ventura Pedro, Adalia Ramon, Paredes David, Rovira Jordi, Oppenheimer Frederic, Revuelta Ignacio. Barcelona, Spain.
- C20** **What Are "Normal" CSF Findings in the Non-Infected Brain Dead Organ Donor?**
Robert Steiner, Charles Wainaina, Jeffery Tragaser, Lisa Stocks. San Diego, CA.
- C21** **A Single Center's Experience of Direct Acting Anti-Viral Agents in HCV Positive Patients Receiving an HCV Positive Kidney**
Nikhil Kapila, Bobby Zervos, Bahaaeldeen Ismail, Gabriel Schnickel, John Rivas, Diego Reino, Neerja Agrawal, Andreas Tzakis. Weston, FL.
- C22** **False-Positive Flow Cytometric Crossmatch Results and the Utility of the Virtual Crossmatch**
Nicholas K. Brown, John J. Xin, Jerome G. Weidner, Rebecca L. Upchurch, Susana R. Marino. Chicago, IL.
- C23 †** **Prediction of Positive Cytotoxic and Flow Crossmatches for Sensitized Wait List Candidates: Comparison of Luminex MFI, C1q and FcR Binding Assays**
Alin L. Girnita, E. Steve Woodle. Cincinnati.
- C24** **Impact of Serum EDTA Treatment on Identification of Unacceptable Antigens for Kidney Transplant Candidates**
John J. Xin, Nicholas K. Brown, Rebecca L. Upchurch, Jerome G. Weidner, Susana R. Marino. Chicago, IL.

- C25** **Controlled Donation After Circulatory Death (cDCD) Donors May Become Similar to Brain Death Donors (DBD)**
Corinne Antoine, Michel Videcoq, Bruno Riou, Didier Dorez, Gaelle Cheisson, Laurent Martin-Lefèvre, Louise Durand, Emilie Savoye, Georges Karam, Benoit Barrou. Saint Denis La Plaine, France; Nantes, France; Paris, France; Annecy, France; Kremlin Bicetre, France; La Roche Sur Yon, France.
- C26** **Kidney Size Does Not Matter: Should the Decision to Split Pediatric En Bloc Donor Kidneys Be Based on Donor Weight Rather Than Kidney Length?**
Andrew Perry, Jakub Woloszyn, John McVicar, Junichiro Sageshima, Richard Perez, Christoph Troppmann, Chandrasekar Santhanakrishnan. Sacramento, CA.
- C27 †** **Donor Families' Perspectives of the Harms of Failed Donation After Circulatory Death: A Qualitative Analysis**
Lauren J. Taylor, Anne Buffington, Scalea Joseph, Norman Fost, Margaret L. Schwarze. Madison, WI; Baltimore, MD.
- C28** **A Nationwide Global Strategy for Kidney Transplantation with Controlled Cardiac Death Donor (cDCD) Has Improved Global Results. Spanish Multicentre SENTRA-GEODAS Group**
Jose Portoles, Maria Jose Perez-Saez, Dario Janeiro, Edoardo Melilli, Naroa Maruri Kareaga, Erika de Souza, Francisco Llamas, Jordi Espi, Paloma Martin Moreno, Dolores Navarro, Asuncion Sancho-Calabuig, Maria Luisa Rodriguez-Ferrero, Domingo Hernandez, Julio Pascual. Majadahonda, Spain; Madrid, Spain; Barcelona, Spain.
- C29** **Donor Age > 50 Years and CIT Longer Than 18 Hour Are Independent Risk Factors for One Year Graft Survival in Renal Transplant Form Uncontrolled Donors After Circulatory Death (uDCD)**
Maria Molina, Eduardo Gutierrez, Esther Gonzalez, Enrique Morales, Jimena Cabrera, Amado Andres. Madrid, Spain; Montevideo, Uruguay.
- C30** **Warm Ischemic Time as an Additive Predictor of Graft Survival in KDPI/ KDRI Era of Kidneys from Donors After Cardiac Death: A Single-Center Experience Over Three Decades**
Mamoru Kusaka, Yusuke Kubota, Hiroshi Takahashi, Hitomi Sasaki, Masashi Takenaka, Naohiko Fukami, Takashi Kenmochi, Ryoichi Shiroki, Kiyotaka Hoshinaga. Toyoake, Aichi, Japan.
- C31** **Kidney Re-Transplantation (KRTx) from Donation After Cardiocirculatory Death (DCD)-Standard Criteria Donors (SCD)**
Muhammad A. Khan, Baha Alradawna, Alan Farney, Jeffrey Rogers, Giuseppe Orlando, Amber Reeves-Daniel, Amudha Palanisamy, Micheal Gautreaux, William Doares, Scott Kaczorsky, Robert Stratta. Winston Salem, NC.
- C32** **Kidney Donation After Brain Death Followed by Circulatory Death Confers Comparable Outcomes with Kidney Donation After Brain Death**
Qipeng Sun, Qiquan Sun, Honglan Zhou, Ronghua Cao, Minzhuan Lin, Xuefeng Hua, Liangqing Hong, Zhengyu Huang, Ning Na, Ruiming Cai, Gang Wang, Fanhang Meng. Guangzhou, China; Changchun, China.
- C33 †** **Worsening Rather Than Severe Acute Kidney Injury Affects Kidney Transplantation Outcomes**
Mi-Yeon Yu, Byung Chul Yu, Yong Chul Kim, Sang Il Mi, Jongwon Ha, Jaeseok Yang, Yon Su Kim, Hajeong Lee. Seoul, Republic of Korea; Bucheon, Republic of Korea.
- C34 †** **Kidney Transplantation Outcomes from Donors with Acute Kidney Injury**
Sumanth Channapatna Suresh, Michelle Lubetzky, Jay Graham, Attasit Chokechanaisakul, Omar Mohammed, Milan Kinkhabwala, Enver Akalin, Juan Rocca, Puneet Bedi. Bronx, NY.
- C35** **Three Induction Therapies on Patients with Delayed Graft Function After Kidney Transplantation, a Three-Year Outcome Analysis**
Afia Umer, Mary Killackey, Anil Paramesh, Brent Alper, Fred Teran, Adrian Baudy, Yongjun Liu, Joseph Buell, Rubin Zhang. New Orleans, LA.

- C36 † Use of Pulsatile Perfusion Modifies the Effect of Delayed Graft Function on Graft Failure**
Alvin Thomas, Ashton Shaffer, Allan Massie, Dorry Segev. Baltimore.
- C37 Evaluation of Outcomes in Renal Transplantation Using Machine Perfusion for the Preservation of Kidneys from Expanded Criteria Donor**
Emilie Savoye, Marie Alice Macher, Kidney Working Group, Camille Legeai, Corinne Antoine. Saint Denis La Plaine, France.
- C38 Prophylactic Therapy Against Multidrug-Resistant Acinetobacter baumannii Contamination of Preservation Solution in Renal Transplantation: A Single Center Experience**
Rending Wang, Jingyi Zhou, Jianyong Wu. Hangzhou, China.
- C39 Awareness of Change in the Kidney Allocation System Among Dialysis Providers from Facilities with Low Waitlisting**
Mohua Basu, Kayla D. Smith, Stephen Pastan, Laura Plantinga, Sumit Mohan, Cam Escoffery, Joyce Chung, Taylor Melanson, Rachel E. Patzer. Atlanta, GA; New York, NY.
- C40 † Online Patient Resources for Deceased Donor and Live Donor Kidney Recipients: A Comparative Analysis of Readability**
Eric P. Zhou, Elizabeth Kiwanuka, William G. Cioffi, Paul E. Morrissey. Providence, RI.
- C41 Weekend Discharge and Early Hospital Readmission After Kidney Transplant: A Multi-Center Analysis**
Meera N. Harhay, Yaqi Jia, Heather Thiessen Philbrook, Behdad Besharatian, Ramnika Gumber, Francis Weng, Isaac Hall, Mona Doshi, Bernd Schroepfel, Chirag Parikh, Peter P. Reese. Philadelphia; New Haven; Livingston; Salt Lake City; Detroit; New York.
- C42 ABO Incompatible Deceased Donor Renal Transplantation: Exploring the Possibilities**
Matthew P. Sypek, Rosemary Masterson, Peter Hughes. Melbourne, Australia.
- C43 Characteristics and Performance of Unilateral Deceased Donor Kidney Transplants**
S. Ali Husain, Samnang Lee, Sumit Mohan, Stephen Pastan, Rachel Patzer, Mariana Chiles. New York, NY; Atlanta, GA.
- Disparity in Access and Outcomes for Solid Organ Transplantation**
- C44 Association of Dialysis Facility Neighborhood Socioeconomic Status with Barriers to Kidney Transplant**
Katie Ross, Mohua Basu, Cam Escoffery, Jennifer Gander, Sumit Mohan, Stephen Pastan, Laura Plantinga, Kayla Smith, Rachel Patzer. Atlanta; New York.
- C45 Barriers to Becoming Active on the Renal Transplant Waiting List: Have They Changed in the Last Five Years?**
Emma van Hardeveld, Timothy Furlong, Amanda Robertson, Nancy Suh, Stephen Thwaites, Robert Millar, Rosemary Masterson, Michael Lian, Belinda Jones, Peter Hughes. Melbourne, Australia.
- C46 Patient-Reported Barriers to the Pre-Kidney Transplant Evaluation in an At-Risk Population in the United States**
Mark B. Lockwood, W. James Chon, Michelle Josephson, Yolanda Becker, Milda Saunders. Chicago, IL.
- C47 Ethnocultural Barriers to Pre-Emptive Kidney Transplantation: A Single Centre Retrospective Cohort Study**
Aarushi Bansal, Michelle Kwok, Shen Cao, Olusegun Famure, S. Joseph Kim, Istvan Mucsi. Toronto, ON, Canada.
- C48 Racial Disparities in Self-Care Among Liver Transplant Candidates**
Joel P. Wedd, Jennifer Gander, Kayla Smith, Sobia Mujtaba, Ram Subramanian, Ruth Parker, Carolyn Reilly, Rachel E. Patzer. Atlanta, GA.
- C49 Does Gender Affect Renal Transplant Outcomes?**
Anita Patel, Rohini Prashar. Detroit, MI.

- C50 † Non-Medical Factors Contributing to Racial Disparity in Kidney Transplant Wait-Listing**
Yue-Harn Ng, Shane Pankratz, Kellee Bornemann, Emilee Croswell, John Pleis, Ron Shapiro, Mark Unruh, Larissa Myaskovsky. Albuquerque, NM; Pittsburgh, PA; New York, NY.
- C51 Access to Living Donor Kidney Transplantation in Nepal**
Prakriti Shrestha, Sarah Rasmussen, Alvin Thomas, Susan Ferguson, Allan Massie, Dorry Segev, Pukar Shrestha. Baltimore; Grinnell; Bhaktapur, Nepal.
- C52 Ethnicity and Transplant Knowledge Among Canadian ESKD Patients**
D. Wong, H. Ford, C. Lok, G. Nesrallah, J. D. Peipert, C. Richardson, A. D. Waterman, M. Novak, I. Mucsi. Toronto, ON, Canada; Los Angeles, CA.
- C53 Transplant without Borders – A New Project for Decentralization of Transplant Centers in Brazil**
Marcelo Perosa, Juan Branez, Leonardo T. Mota, Beimar Zeballos, Huda Noujaim, Marcio Paredes, Tiago G. Miranda, Gabriela T. Martinho, Tercio Genzini. Sao Paulo, Brazil.
- C54 Implementing a New Specialist Requester Role to the United Kingdom to Address Consent Rates**
Susan E. Duncalf, Marian Ryan. Bristol, United Kingdom.
- C55 Neighborhood Poverty and Racial/Ethnic Disparities in Access to Live Donor Kidney Transplantation in the US**
Tanjala Purnell, Xun Luo, Deidra Crews, Sunjae Bae, Lauren Kucirka, Lisa Cooper, Dorry Segev. Baltimore.
- C56 † Disparities in Access to the Liver Transplant Wait List: A Statewide Analysis**
Yanik J. Bababekov, David C. Chang, Ya-Ching Hung, Joel T. Adler, Sahael M. Stapleton, James F. Markmann, Heidi Yeh. Boston, MA.
- C57 † Non-Directed Kidney Donor Candidate Referral, Care and Attrition in an Online Portal**
Rebecca E. Hays, Kathy Schappe, Dixon B. Kaufman, Didier A. Mandelbrot. Madison, WI.
- C58 Increasing Living Donation by Implementing the Kidney Coach Program**
Dianne LaPointe Rudow, Sara Geatrakas, Jonathan Armenti, Ariella Tomback, Ron Shapiro. New York, NY.
- C59 Can We Improve Donation Through Pre-Kidney Transplantation Education Using Internet-Based Resources? An Analysis of Internet Use Patterns Among Hispanics**
Helen B. Gomez, Erica Malagon-Blackwell, Juan Carlos Caicedo. Chicago, IL.
- C60 Engaging Clinicians and Patients Regarding Frailty Assessment in Kidney Transplant Candidates**
Sarah Rasmussen, Jonathan Konel, Hao Ying, Christine Haugen, Elizabeth King, Sandra DiBrito, Dorry Segev, Mara McAdams DeMarco. Baltimore.
- C61 Evaluating Online Information on Youtube for Kidney Transplant**
Patricia Sheiner, Samantha Silver. Hartford, CT.
- C62 Disparity in Transplant Referral Patterns Based on Physician Dependent Variables**
Veronica M. Loy, Allison Rzepczynski, Sofia Bello, Colleen Blackburn, Amy Lu. Maywood, IL.
- C63 Health Literacy, Functional Status and Transplant Eligibility Among Adult Liver Transplant Candidates**
Marina Serper, Kristen Dwinnells, Michael S. Wolf, Kim Olthoff. Philadelphia; Chicago.
- C64 Medical Mistrust, Perceived Racism and Experiences of Medical Discrimination Among Transplant Patients**
Reem Hamoda, Kristie Lipford, Laura McPherson, Jennifer Gander, Rachel E. Patzer. Atlanta, GA.

- C65 Substance Use Among Potential Kidney Transplant Candidates and Its Impact on Access to Kidney Transplantation; a Canadian Cohort Study**
Evan Tang, Aarushi Bansal, Michelle Kwok, Olusegun Famure, S. Joseph Kim, Daniel Z. Buchman, Marta Novak, Istvan Mucsi. Toronto, ON, Canada.
- C66 Are ICD-9 V Codes Representative of the Liver Transplant Wait List?**
Yanik J. Bababekov, David C. Chang, Ya-Ching Hung, Joel T. Adler, Sahael M. Stapleton, James F. Markmann, Heidi Yeh. Boston, MA.
- C67 Concurrent Psychosocial Variables Confound Perioperative and Postoperative Care in Liver Transplant Recipients with Alcoholic Liver Disease**
Samuel T. Sultan, Mary Hodorowicz, Jessica Powell, Mark Connelly, Michelle Tuten, Paul Sacco, William Hutson, Rolf N. Barth, John C. LaMattina. Baltimore.
- C68 † HLA Alloimmunization According to the Different Immunization Events and Consequences on Access to Kidney Transplantation**
Vincent Pernin, Amandine Cros, Ilan Szwarc, Céline Rene, Jean-François Eliaou, Valérie Garrigue, Georges Mourad, Moglie Le Quintrec-Donnette. Montpellier, France.
- C69 Protocol of the KTFT-TALK Study to Reduce Racial Disparities in Kidney Transplant Evaluation and Living Donor Kidney Transplantation**
Kellee Bornemann, Emilee Crowell, Menna Abaye, Cindy Bryce, Joyce Chang, Deborah Good, Cathleen Freehling Heiles, Mary Amanda Dew, L. Ebony Boulware, Amit Tevar, Larissa Myaskovsky. Pittsburgh; Durham.
- C70 Differences in Racial and Sex Disparities in Liver Transplantation Outcomes Between Older and Younger Adult Recipients**
Qiong Huang, Christine Haugen, Xun Luo, Allan Massie, Mara McAdams-DeMarco, Dorry Segev. Baltimore.
- C71 Reduced Racial Disparity in Outcomes of Kidney Transplant Recipients**
E. Iranpour, A. Tavabi, R. Garakani, R. Gohh, P. Morrissey, Reza Saidi, Reza Saidi. Providence, RI.
- C72 Opioid and Opioid Substitution Therapy in Liver Transplant Candidates: A Survey of Center Policies and Practices**
James N. Fleming, Jennifer C. Lai, Helen S. Te, Adnan Said, Erin K. Spengler, Shari S. Rogal. Charleston, SC; San Francisco, CA; Chicago, IL; Madison, WI; Pittsburgh, PA.
- C73 Perceived Patient Barriers for Kidney Transplant Evaluation Among Transplant Center Staff**
Laura McPherson, Kristie Lipford, Reem Hamoda, Jennifer Gander, Stephen Pastan, Rachel Patzer. Atlanta, GA.
- C74 Risk of Major Bleeding in Solid Organ Transplant Recipients Taking Calcineurin Inhibitors Concomitantly with Direct Oral Anticoagulants Compared to Warfarin**
Jay T. Hazelcorn, Raymond Yau, Noor Sabagha, Mozhgon Moaddab, Melissa J. Manson. Houston, TX.
- C75 Telemedicine Utilization After Kidney Transplantation Was Not Associated with Decreased Early Hospital Readmission Rate**
Nissreen Elfadawy, Edmund Sanchez, Kenneth Woodside, Joshua Augustine, Donald Hricik, Nagaraju Sarabu. Cleveland, OH.
- C76 Burden of Early Hospitalization Among Liver Transplant Recipients**
Pratima Sharma, Nathan Goodrich, Douglas Schaubel, Abigail Smith, Robert Merion. Ann Arbor, MI.
- C77 Raising Awareness of the Importance of Exercise Training in Solid Organ Transplant: A Description of a Canadian Knowledge Dissemination Project**
Tania Janaudis-Ferreira, Sunita Mathur, Tom Blydt-Hansen. Montreal, QC, Canada; Toronto, Canada; Vancouver, Canada.

C78 Association Between Transportation Strategies and Kidney Transplant Center Staff Perceived Racial Disparities
Kristie J. Lipford, Laura McPherson, Reem Hamoda, Rachel E. Patzer. Atlanta, GA.

Donor Management: All Organs

- C79 The Performance of Four Tools for the Prediction of Potential for Organ Donation After Cardiac Death in Neurocritical Patients: A Prospective, Multicenter, Observational Study**
Zhiyong Guo, Guixing Xu, Paul Schroder, Marti Manyalich, Xiaoshun He, Guodong Chen. Guangzhou, China; Durham; Barcelona, Spain.
- C80 Prediction of Evolution Toward Brain Death in Acute Neurocritical Patients Identified as Potential Organ Donors**
Guixing Xu, Ping Xu, Zhiyong Guo, Xiaoshun He. Guangzhou, Guangdong, China; Guangzhou, Guangdong, Ecuador.
- C81 Increasing the Kidney Donor Pool by Expanding Limits on Body Mass Index and Age: A Single-Center Evaluation of Safety for Donors and Recipients**
James M. Tonascia, Soo Y. Yi. Baltimore, MD.
- C82 Hepatitis C Genotypes Among Deceased Organ Donors in the United States**
David Goldberg, Vivianna Van Deerlin, Midhat Farooqi, Anna Sicilia, Richard Hasz, Roy Bloom, Emily Blumberg, Caren Gentile, Peter Abt, Peter Reese. Philadelphia, PA.
- C83 A Novel Technique to Increase Donor Utilization: Our Experience Using High-Dose Tissue Plasminogen Activator Flush in Donation-After-Cardiac-Death Donors for Liver Transplantation**
Jay A. Graham, Katherine Lorenzen, Sarah Bellemare, Milan Kinkhabwala, Juan P. Rocca. Bronx, NY.

C84 Can We Successfully Overcome Obesity as a Barrier for Kidney Transplantation?
Konstantinos A. Zorbas, Sunil S. Karhadkar, Swati Rao, Kelvin Kwan N. Lau, Iris Lee, Avrum Gillespie, Serban Constantinescu, Andreas Karachristos, Antonio Di Carlo. Philadelphia, PA.

C85 Accuracy of Computed Tomography for Detecting Hepatic Steatosis in Donors for Liver Transplantation
Zhiyong Guo, Danping Zheng, Xiaoshun He, Guodong Chen. Guangzhou, China.

C86 Obese Kidney Donors: Impact of Opioid-Minimization Using Ketorolac-Based Pain Management Protocol Following Robotically Assisted, Laparoscopic Living Donor Nephrectomy
Maya Campara, Benito Valdepenas, Amin Virani, Kelly Galen, Ignatius Y. S. Tang, Jose Oberholzer, Enrico Benedetti. Chicago.

C87 † Using Buccal Swabs for Deceased Organ Donor HLA Typing
Chad C. Muse, Sherri Longobardi, Idoia Gimferrer, Jeffrey P. Orlowski. Oklahoma City, OK.

Hearts and VADS: All Topics

C88 † Photopheresis for Recalcitrant Rejection After Heart Transplantation: Worthwhile?
Jignesh Patel, Michelle Kittleson, Xiaohai Zhang, Ellen Klapper, Tamar Aintablian, Kellee Murayama, Lawrence Czer, Dael Geft, David Chang, Jon Kobashigawa. Los Angeles.

C89 † Lung Preservation Solution Exposure at Cardiac Procurement Is Associated Increased Incidence of Coronary Arterial Vasculopathy
Hannah Copeland, Victoria Garcia, Adam Sima, David Baran, Anit Mankind, Gundars Katlaps, Neil Lewis, Benita Dharmaj, Jack G. Copeland. Richmond, VA; Newark, NJ; Tucson, AZ.

- C90 † Sequential Surgical Strategy for Heart-Kidney Transplantation**
Deepak Mital, Mara Petruccione, Joslyn Brown, Sonia A. Vasquez, Scott A. Wheaton, Walter A. Johnson, Chaitanya Desai, Darshika Chhabra, Gordon J. Kinzler, Howard Sankary, Tatyana Lawrecki, Patroklos S. Pappas, Antone Tatoes, Michael Bresticker, William G. Cotts, Geetha Bhat. Oak Lawn, IL.
- C91 Improved Creatinine Immediately Post-LVAD Predicts Lower AKI Risk After Heart Transplant**
A. Nanavati, Y. A. He, N. Moazami, S. Demirjian, B. Stephany. Cleveland, OH; Rochester, NY.
- C92 Malignancy in Patients Undergoing Simultaneous Heart-Liver and Heart-Kidney Transplant**
Amanda L. Chin, Andreas Habertheuer, Alan S. Chou, Michael Acker, Matthew Williams, Pavan Atluri, Christian Bermudez, Prashanth Vallabhajosyula. Philadelphia, PA.
- C93 Implementing a Successful DCD Heart Programme to the United Kingdom**
Marian Ryan, Susan E. Duncalf. Bristol, United Kingdom.
- C94 Routine Surveillance of Heart Transplant Recipients with Gene Expression Profiling: Lack of an Impact of Race on Outcomes**
Jeffrey Teuteberg, Michael A. Shullo, Debbie Rinde-Hoffman, Mark Wigger, Yue Sarah Wang, Theresa Wolf, P. J. Arnold, John Sninsky, Peter Berman. Pittsburgh, PA; Tampa, FL; Nashville, TN; Brisbane, CA.
- C95 In the Modern Era, Cytomegalovirus Does Not Appear to Increase Intimal Thickening After Heart Transplantation**
Derek Leong, Babak Azarbal, Jignesh Patel, Michelle Kittleson, Lawrence Czer, Tamar Aintablian, David Chang, Dael Geft, Jon Kobashigawa. Los Angeles.
- C96 Does the Model for End Stage Liver Disease (MELD) Score Predict Outcome in Total Artificial Heart Patients?**
Matthew Rafiei, Jaime Moriguchi, Michelle Kittleson, Jignesh Patel, Tamar Aintablian, Elizabeth Passano, Rayshma Sharoff, James Kwan, Evan Kransdorf, David Chang, Lawrence Czer, Jon Kobashigawa, Francisco Arabia. Los Angeles.
- C97 Longer Ischemic Time Is Associated with Late Graft Dysfunction in Pediatric Heart Transplant Recipients**
Luke W. Schroeder, Shahryar M. Chowdhury, Ali L. Burnette, Hamilton Baker, Andrew J. Savage, Andrew M. Atz, Ryan J. Butts. Charleston, SC; Dallas, TX.
- C98 Hypogammaglobulinemia in Pediatric Heart Transplant Candidates Is Not Corrected by Transplantation**
Rebecca Madan, Rhiannon Penkert, Jasmeen Dara, Jacqueline M. Lamour, Betsy C. Herold, Julia L. Hurwitz. Bronx, NY; Memphis, TN.
- C99 A Pilot Trial of Genotype-Guided Dosing versus Standard Clinical Dosing in Pediatric Solid Organ Transplants**
Sandar Min, Tanya Daljevic, Myriam Lafreniere-Roula, Cedric Manlihot, Nadya Nalli, Hartmut Grasemann, Steven Schwartz, Binita Kamath, Vicky Ng, Rulan Parekh, Seema Mital. Toronto, ON, Canada.
- C100 Impact of NODAT on Post-Transplant Survival – An Analysis of UNOS Data**
Nagaraju Sarabu, Salil Deo, Soon Park. Cleveland.
- C101 Primary Graft Dysfunction Post Heart Transplantation: Is There Greater Risk for *De Novo* Donor-Specific Antibody Development?**
Jignesh Patel, Michelle Kittleson, Lawrence Czer, Tamar Aintablian, Tina Kao, Dael Geft, David Chang, Fardad Esmailian, Jon Kobashigawa. Los Angeles.

- C102 Alemtuzumab Use in a Single Center Pediatric Heart Transplant Cohort**
Jennifer Case, Jennifer Eshelman, Patricia C. Booker, Shelley D. Miyamoto, Melanie D. Everitt, Scott R. Auerbach. Aurora, CO.
- C103 Immunosuppressive Therapy and Acute Rejection in Combined Heart and Kidney Transplantation**
Michele Gallo, Jaimin R. Trivedi, Dmitry Abramov, Rajakrishnan Vijayakrishnan, Mark S. Slaughter. Louisville.
- C104 Time to First Therapeutic Tacrolimus Level: What Impact Does It Have After Heart Transplantation?**
Olya Witkowsky, Jeffrey Teuteberg, Christopher Sciortino, Michael Shullo. Pittsburgh, PA.
- C105 Exploring Differential Antibody Response to Bortezomib in Heart Transplantation**
K. Ghafourian, R. Hod-Dvorai, S. E. McCabe, N. Cool, M. Fine, M. A. Ackerman, J. D. Rich, J. Wilcox, E. Vorovich, A. S. Anderson, A. R. Tambur. Chicago, IL.
- C106 Antibody Mediated Rejection and Donor Specific Antibodies in Heart Transplant Patients: Single Center Experience**
Phillip McMullen II, John J. Xin, Nicholas K. Brown, Rebecca L. Upchurch, Jerome G. Weidner, Savitri E. Fedson, Aliya N. Husain, Susana R. Marino. Chicago, IL; Houston, TX.
- C107 Simultaneous Heart and Kidney Transplant vs Heart Transplant: Single Center Review of Candidate Selection and List Management**
Natasha Fonseca, Hardik Mangrolia, Sunil Karhadkar, Swati Rao, Lynn R. Punnoose. Philadelphia, PA.
- C108 Risk of Amiodarone and Permanent Pacemaker Placement After Heart Transplantation**
Evan Kransdorf, Michelle Kittleson, Jignesh Patel, Tamar Aintablian, Ryan Levine, Brenda Kearney, Nena Musto, Antoine Hage, Dael Geft, Lawrence Czer, Fardad Esmailian, Alfredo Trento, Jon Kobashigawa. Los Angeles.
- C109 Post-Transplant Sensitization: Does it Make a Difference in the Development of First-Year Intimal Thickening?**
Jignesh Patel, Michelle Kittleson, Lawrence Czer, Tamar Aintablian, Emily Stimpson, Babak Azarbal, Dael Geft, David Chang, Fardad Esmailian, Jon Kobashigawa. Los Angeles.
- C110 Retrospective Review of Early versus Late Initiation of Oral Sildenafil for Right Ventricular Dysfunction in Post-Cardiac Transplant Surgery Patients**
Paula Brown, Bassem Hamandi, Michael McDonald, Hina Ahmed, Rachel Whitty, Donna Lowe. Toronto, Canada.
- C111 Severe Tricuspid Regurgitation After Heart Transplantation: Does It Require Surgical Repair?**
Jignesh Patel, Michelle Kittleson, Lawrence Czer, Tamar Aintablian, Rayshma Sharoff, Ryan Levine, Angela Velleca, Danny Ramzy, Fardad Esmailian, Jon Kobashigawa. Los Angeles.
- C112 Improvement of Cyclosporine A Dosing Strategy to Enhance Medication Adherence**
Markus J. Barten, Eva Harmel, Marnie Goldmann, Florian M. Wagner, Hermann Reichenspurner, Meike Rybczynski. Hamburg, Germany.
- C113 Timing, Frequency and Precipitating Factors of Early Readmission After Heart Transplant**
Jeffrey R. Van Liew, Lisa Potter, Nir Uriel, Laura M. Lourenco. Chicago, IL.
- Innate Immunity**
- C114 † NK Cells Respond to CMV Lysate by Inducing IFN γ and CD107a Surface Expression in an Antibody-Dependent Manner: This Represents a Cytokine Flow Cytometry (CFC) Assay That Could Assess Antibody-Dependent Cell-Mediated Cytotoxicity (ADCC) as a Marker of CMV Immunity in Transplant Recipients**
Shili Ge, Chu Maggie, Bong-Ha Shin, Artur Karasyov, Stanley C. Jordan, Mieko Toyoda. Los Angeles, CA.

- C115 CD40/CD40 Ligand Signal Controls Cytotoxic Ability of Natural Killer Cells After Invariant Natural Killer T Cell Stimulation**
Hironori Fukuda, Toshihito Hiai, Rumi Ishii, Haruki Katsumata, Taichi Kanzawa, Satoshi Miyairi, Masako Ikemiyagi, Yasuyuki Ishii, Masayoshi Okumi, Kazunari Tanabe. Tokyo, Japan.
- C116 Patterns of Monocyte Differentiation and Activation in a Non-Human Primate Model of Brain Death**
Peter J. Chlebeck, Juan S. Danobeitia, Laura J. Zitur, Tiffany Zens, Xianyao Xu, Scott Odorico, Anthony M. D'Alessandro, Luis A. Fernandez. Madison, WI.
- C117 A Novel Role for MyD88 Signaling Downstream from Toll-Like Receptors in B Cells Responding to Blood Group Antigens**
Hiroshi Sakai, Yuka Tanaka, Hideki Ohdan. Hiroshima, Japan.
- C118 Reduced Expression of Membrane Complement Regulatory Protein CD59 on Leukocytes Following Lung Transplantation**
Laura A. Michielsen, Kevin Budding, Daniël Drop, Eduard A. van de Graaf, Tineke Kardol-Hoefnagel, Marianne C. Verhaar, Arjan D. van Zuilen, Henny G. Otten. Utrecht, Netherlands.
- C119 DC-SIGN Functionalized Porous Silicon Nanoparticles Targeting to Human and Non-Human Primate Dendritic Cells**
Sebastian O. Stead, Svjetlana Kireta, Steven J. McInnes, Peter Rose, Shilpanjali Jesudason, Shane T. Grey, Darling Rojas-Canales, Robert Carroll, Nicolas H. Voelcker, Patrick T. Coates. Adelaide, Australia; Sydney, Australia.
- C120 Platelets Stimulate Liver Sinusoidal Endothelial Cells to Secrete Interleukin-6 During the Early Phase of Liver Regeneration in Mice**
Jeremy Meyer, Elodie Perroud, Pierre Fontana, Karin Sadoul, Philippe Morel, Carmen Gonelle-Gispert, Léo Bühler. Geneva, Switzerland; Grenoble, France.
- C121 CD16+ Monocytes and Skewed Macrophage Polarization Towards M2 Type Hallmark Heart Transplant Acute Cellular Rejection**
Thierry P. P. van den Bosch, Kadir Caliskan, Marina D. Kraaij, Alina A. Constantinescu, Olivier C. Manintveld, Pieter J. M. Leenen, Jan H. von der Thüsen, Marian Clahsen-van Groningen, Carla C. Baan, Ajda T. Rowshani. Rotterdam, Netherlands.
- C122 M1 Macrophage-Induced Loss of KLF15 Promotes Chronic Podocyte Injury**
Seung Seok Han, Yong Chul Kim, Sunhwa Lee, Hajeong Lee, Ran-Hui Cha, Jung Pyo Lee, Jae Wook Lee, Dong Ki Kim, Yon Su Kim, Seung Hee Yang. Seoul, Korea.
- C123 Toll-Like Receptor 4-Dependent CCAAT-Enhancer-Binding Protein Homologous Protein Activation Induces Hepatocellular Cell Death in Liver Ischemia and Reperfusion Injury**
Haoming Zhou, Zhuqing Rao, Han Wang, Xuehao Wang, Ling Lu. Nanjing, Jiangsu, China.
- C124 A Novel MyD88 Inhibitor Attenuates Allograft Rejection in Heterotopic Tracheal Transplantation in Mice**
Min Yang, Xue Zhang, Gen Chen, Zuochuan Ding, Yan Miao, Yang Yang, Ping Zhou. Wuhan, Hubei, China.
- C125 The Beneficial Effects of mTOR Inhibitors on Liver Resident Natural Killer Cells**
Jamilya Saparbay, Yuka Tanaka, Takuya Yano, Hideki Ohdan. Hiroshima, Japan.
- C126 CCR5-Mediated Recruitment of NK Cells to the Kidney Is Critical for Resistance to *Candida albicans* Infections**
Jong S. Lee, Vuvi G. Tran, Hye J. Kim, Byungsuk Kwon, Kyung S. Park, Hong R. Cho. Ulsan, Republic of Korea; Ulsan, South Korea, Republic of Korea.
- C127 Histone Methyltransferase EZH2 Was Involved in the Mechanism of let-7e Inhibition of TNF- α Expression**
Junqi Huang, Yingke Zhang, Qianqian Zhang, Lian Gui, Yan Cai, Xiaohong Deng. Guangzhou, Guangdong, China.

Kidney Complications III

- C128 Pregnancy Outcomes in Female Kidney Transplant Recipients Using Assisted Fertility Methods**
Lisa A. Coscia, Dawn P. Armenti, Serban Constantinescu, Michael J. Moritz. Philadelphia, PA; Allentown, PA; Tampa, FL.
- C129 Discrepancies in Perceived and Measured Cognitive Abilities in Transplant Recipients**
Aditi Gupta, Jonathan Mahanken, Jeffrey Klein, David Johnson, Jeffrey Burns. Kansas City, KS; Lawrence, KS; Kansas City.
- C130 Decision Tree Analysis of Renal Transplantation Recipients Outcomes: A Single Center Data Mining in the Big Data Era**
Jingyi Zhou, Yi Shen, Rending Wang, Hongfeng Huang, Jianyong Wu, Jianghua Chen. Hangzhou, China.
- C131 Subpopulations of Peripheral Blood Monocytes in Kidney Allograft Recipients**
Ilija Striz, Veronika Svachova, Alena Sekerkova, Janka Slatinska, Kristyna Kopecka, Martina Fialova, Ondrej Viklicky. Prague, Czech Republic.
- C132 Assessments of Literacy, Cognitive Function and Transplant Medication Knowledge in Renal Transplant Recipients**
Jennifer Trofe-Clark, Wanda Gbemudu, Sharon Ryan, Deirdre Sawinski, Mary Ann Lim, Simin Goral, Melissa Bleicher, Roy D. Bloom, Peter P. Reese. Philadelphia.
- C133 Polypharmacy and Frailty in Kidney Transplant Recipients**
Hao Ying, Mara McAdams-DeMarco, Dorry Segev. Baltimore, MD.
- C134 Adjuvant Chemotherapy with Gemcitabine Plus Cisplatin for Kidney Transplant Patients with Transitional Cell Carcinoma**
Zhipeng Wang, Jun Lin, Yichen Zhu, Jian Zhang, Jing Xiao, Yuwen Guo, Ye Tian. Beijing, China.
- C135 Renal Secretion of Organic Anionic Drugs Is Compromised in Renal Transplant Patients**
Hari V. Kalluri, Puneet Sood, Parmjeet Randhawa, Sundaram Hariharan, Amit Tevar, Abhinav Humar, Raman Venkataramanan. Pittsburgh, PA.
- C136 Primary Urtero- Ureterostomy in Renal Transplant, an Old Forgotten but Promising Technique**
Hosein Shokouh-Amiri, Gazi Zibari, Shahab Ahmadzadeh, Rhiju Poudel, Donnie Aultman, Hrishikesh Samant, Neeraj Singh. Shreveport.
- C137 Renal Function, Albuminuria and the Risk of Death and Graft Loss After Kidney Transplantation**
Ngan N. Lam, Marcello Tonelli, Krista L. Lentine, Brenda Hemmelgarn, Feng Ye, Kevin Wen, Scott Klarenbach. Edmonton, Canada; Calgary, Canada; St. Louis.
- C138 Renal Transplant Recipients with Indication for Antiplatelet Therapy: Increased Risk for the Allograft?**
Tamas Benko, Marlene Gottmann, Sonia Radunz, Jurgen W. Treckmann, Fuat H. Saner, Andreas Paul, Dieter P. Hoyer. Essen, Germany.
- C139 Pregnandy During Kidney Trasplantation in a Low Income Population**
Marcelo F. Taylor, Mónica Torres, Di Pietrantonio Silvia, Lorena R. Martínez, Hugo S. Petrone. La Plata, Buenos Aires, Argentina.
- C140 Impact of Pancreas Transplant Failure in Quality of Life in Simultaneous Kidney Pancreas Transplantation**
Bijad Alharbi, Syed Shahid Aquil, Hemant Sharma, Omar Ali, Patrick Luke, Alp Sener. London, ON, Canada.
- C141 NAFLD in Kidney Transplant Candidates**
Nyingi Kemmer, Jacentha Buggs. Tampa, FL.

- C142 Reducing the Early Readmission Rates in Kidney Transplantation**
Melissa Gaspar Tavares, Marina Pontello Cristelli, Laila Almeida Viana, Isabelle Malbouisson, Mayara Ivani Paula, Helio Tedesco Silva Junior, Jose Osmar Medina Pestana. São Paulo, Brazil.
- C143 Titers of Blood Group B Patients Using Non-A1 Reagent/Donor Cells for the Purpose of ABO Incompatible Kidney Transplantation**
Donna King, Maria Aguilucho, Misty Marchioni, Bridget Figueiredo, Ijeoma Okere, Prakash Rao. New Providence.
- C144 Improving Clinical Decisions for Kidney Transplant Recipients Through Online Medical Simulation**
Susan Gitzinger, Edward Jackson, Douglas Blevins. New York, NY.
- C145 Do Perioperative Blood Transfusions Influence Kidney Transplant Outcomes in the Modern Era?**
James Lineen, Justin Trac, Yanhong Li, Olusegun Famure, Joseph Kim. Toronto, ON, Canada.
- C146 Impact of Type 2 Surgical Injuries in Postmortem Donor Kidneys on the Post-Transplant Outcomes When Compared to Mate Non-Injured Kidney from the Same Donor**
Muhammad Mujtaba, Ann Kathleen N. Gamilla-Crudo, Kristene Gugliuzza, Omar Aleter, Sujana Shah, Yvette Chapman, Jeffrey Reese, Somer Masood, Tim Taber. Galveston, TX; Dallas, TX; Indianapolis, IN.
- C147 Technical Characteristics, Optimization and Outcomes of Ultrasound-Guided Biopsy Performed on Kidney Transplant Patients**
Javier Juega, Monica Perez, Laura Cañas, Maribel Troya, Ioana Bancu, Josep Bonet, Ricardo Lauzurica. Badalona, Spain.
- C148 Psychosocial Distress in Chronic Kidney Disease: Benefits of Kidney Transplantation**
Candice Richardson, Dmitri Belenko, Eszter C. Mucsi, Nathaniel Edwards, Dorothy Wong, Marta Novak, Madeline Li, Istvan Mucsi. Toronto, ON, Canada.
- C149 Very Long Term Graft Survival. Forecasts Factors**
Sara Jimenez Alvaro, Roberto Marcen Letosa, Ana Maria Fernandez Rodriguez, Sandra Elias Treviño, Cristina Galeano Alvarez, Fernando Liaño Garcia. Madrid, Spain.
- C150 Utility of a 10-Minute Functional Test as a Predictor of Kidney Transplant (KTP) Listing**
Melissa L. Swee, Jodell L. Hornickel, Roberto S. Kalil. Iowa City, IA.
- C151 Clinical Outcomes in Older Kidney Transplant Recipients. A Single Center Experience**
L. Kamal, N. Hayde, P. Bedi, M. Lubetzky, M. Ajaimy, G. DeBoccardo, E. Akalin. NY.
- C152 Outcomes After Cholecystectomy in Patients with End Stage Renal Disease**
Israel Olorundare, Sandra DiBrito, Courtney Holscher, Jacqueline Garonzik-Wang, Dorry Segev. Baltimore.
- C153 Building a Conceptual Framework of Treatment Burden After Kidney Transplant: A Qualitative Study**
Elizabeth C. Lorenz, Jason S. Egginton, Mark D. Stegall, Andrea L. Cheville, David T. Eton. Rochester.
- C154 Is There a “Weekend Effect” in Kidney Transplantation? – A Single Center Study**
Katharina Schütte-Nütgen, Gerold Thölking, Hermann Pavenstädt, Barbara Suwelack, Stefan Reuter. Münster, Germany.
- C155 Risk and Prognosis of Developing Procedural Complications in Renal Allograft Biopsy, Including AVF and DVT**
Hiroshi Ide, Kazuhiro Iwadoh, Ichiro Nakajima, Shohei Fuchinoue. Shinjuku, Tokyo, Japan.
- C156 Urinary Concentration Ability in Kidney Transplant Patients as Predictor for CKD**
Patricia M. Garcia-Garcia, Ana Jarque, Antonio Rivero, Anabel Rodriguez, Jose Manuel Gonzalez Posadas, Manuel Macia, Victor Garcia Nieto, Juan Navarro. Santa Cruz de Tenerife, Spain.

- C157 Kidney Transplantation in Octogenarians: The Mayo Clinic Experience**
Nadeen Khoury, Thomas Schwab, Mikel Prieto, Hatem Amer. Rochester, MN.
- C158 Development and Validation of PART (Pharmacotherapy Assessment in Renal Transplant Patients) Criteria to Assess Drug Related Problems in Outpatient Renal Transplant Population**
Layal El Raichani, Qian Du, Alexandre Mathieu, Sabrina Almassy, Lyne Lalonde, Nathalie Boudreau, Elisabeth Gélinas-Lemay, Djamel Berbiche, Heloise Cardinal. Montreal, Canada; Longueuil, Canada.
- C159 Avascular Necrosis in Kidney Transplant Recipients: Recent Data from a Cohort Study**
Peggy Perrin, Renaud Felten, Sophie Caillard, Mickael Schaeffer, Bruno Moulin, Rose-Marie Javier. Strasbourg, France.
- C160 Outcomes After Hysterectomy in Patients with End Stage Renal Disease**
Israel Olorundare, Sandra DiBrito, Christine Haugen, Jacqueline Garonzik-Wang, Dorry Segev. Baltimore.
- C161 Death After Kidney Transplantation: Assessment of Pre- and Peri-Transplant Risk Factors and of Time-Varying Risk Factors from the Post-Transplant Course**
Irina Scheffner, Tanja Abeling, Annika Karch, Michael Mengel, Verena Broeker, Armin Koch, Hermann Haller, Anke Schwarz, Wilfried Gwinner. Hannover, Germany; Edmonton, Canada; Gothenburg, Sweden.
- C162 Early Outcomes of Kidney Transplantation When Comparing Waist-to-Hip Ratio vs. Body Mass Index**
Rohan Patankar, Ann Kathleen N. Gamilla-Crudo, Kristene Gugliuzza, Omar Salim, Sujan Shah, Farukh Ikram, Muhammad Mujtaba. Galveston, TX.
- C163 Utility of Electron Microscopy in Kidney Transplant Biopsies**
Jacob Grodsky, Randall Craver, Isa Ashoor. New Orleans, LA.
- C164 † Change in Mycophenolate and Tacrolimus Exposure by Transplant Vintage and Race**
Karim Soliman, Aurora Posadas Salas, David Taber. Charleston, SC.
- C165 † TNF α -I After Kidney Transplantation**
Brenda L. Muth, Brad C. Astor, Didier A. Mandelbrot. Madison, WI.
- C166 † The Treatment of the Graft and the Recipient with α -Lipoic Acid Improves the Delay Graft Function Severity in the Human Kidney Transplant**
Gustavo Weber, Nella Ambrosi, Fiorella Caro, Santiago Beltramino, Alberto Fernández, Ignacio Cabrera, Guillermo Hilchenbach, Damián Fernandez, Claudio Incardona, Eduardo Chuluyan, Domingo Casadei. Buenos Aires, Argentina.
- C167 Early and Late High Inpatient Variability of Tacrolimus Levels Can Predict Late Renal Allograft Rejection**
Dawn Goodall, Michelle Willicombe, Daniel Swerdlow, Adam McLean, David Taube. London, United Kingdom.
- C168 † Benefits of Multimodal Enhanced Recovery Pathway in Patients Undergoing Kidney Transplantation**
Kevin A. Espino, Liise K. Kayler. Buffalo, NY.
- C169 † Scoring of Distinct Tubular Injury Features and Assessment of Cellular Proliferation and of Non-Apoptotic Cell Death by the Novel Marker FACL4 Allow to Determine the Long-Term Prognosis of Renal Grafts**
Andrea Bohlmann, Jessica Schmitz, Anette Melk, Roland Schmitt, Irina Scheffner, Verena Broeker, Hermann Haller, Jochen Metzger, Jan Hinrich Braesen, Wilfried Gwinner. Hannover, Germany; Gothenburg, Sweden.
- C170 † Endovascular Management of Transplant Renal Artery Stenosis: A Safe and Effective Treatment**
Ana Karoline Nóbrega Cavalcanti, Marcelino Souza Durao, Bento C. Santos, Eduardo J. Tonato, Marisa P. Doher, Nadia Guimaraes-Souza, Leonardo G. Moreira Valle, Breno B. Affonso, Felipe Nasser, Alvaro Pacheco-Silva. São Paulo, Brazil.

- C171 † Efficacy and Safety of Direct Acting Antivirals in Kidney Transplant Recipients with Chronic Hepatitis C Virus Infection**
Syed A. Hussain, Tim Taber, Muhammad S. Yaqub, Oluwafisayo Adebisi, Dennis Mishler, Asif Sharfuddin. Indianapolis.
- C172 † A Comparative Study of Patient and Graft Qualities Between Abo-Compatible and -Incompatible Recipients More Than Ten Years After Kidney Transplantation**
Hideki Ishida, Tomokazu Shimizu, Masayoshi Okumi, Kouhei Unagami, Kazuya Omoto, Kazunari Tanabe. Tokyo, Japan.
- C174 NFAT-Regulated Cytokine Gene Expression for Immune Monitoring in Kidney Transplant Recipients – A Randomized Controlled Trial**
Allison B. Webber, Vasishta S. Tatapudi, Chung Yee Leung, Flavio Vincenti. San Francisco, CA; New York, NY.
- Organ Allocation, Meld Score, Organ Utilization and Transplant Outcomes**
- C175 † Sequential Liver-Kidney Transplantation Is Equivalent to Simultaneous Liver–Kidney Transplantation in Candidates Requiring Dialysis Pre-Transplant**
Michael S. Mulvihill, Babatunde A. Yerokun, Robert P. Davis, Kevin L. Anderson, Mathew G. Hartwig, Andrew S. Barbas. Durham, NC.
- C176 † Waitlist Outcomes of Patients Re-Listed Following Failed Donation After Cardiac Death (DCD) Liver Transplant**
Kristopher P. Croome, David D. Lee, Andrew Keaveny, C. Burcin Taner. Jacksonville, FL.
- C177 † National Trends in Utilization of Donation After Cardiac Death Donor Livers for Transplantation**
Shekhar Kubal, Richard Mangus, Burcin Ekser, Rich Amos, Jonathan Fridell. Indianapolis, IN.
- C178 Survival Benefit of Liver Transplantation for Patients with MELD Spike**
Xun Luo, Allan Massie, Dorry Segev. Baltimore, MD.
- C179 Proposal for HCC Exception Points to Match Drop Out Risk**
Heidi Yeh, Mustafa Akan, Ngai-Hang Leung, James Markmann, Sridhar Tayur. Pittsburgh; Hong Kong, Hong Kong; Boston.
- C180 Variables Associated with Liver Graft Utilization and 30-Day Failure: A Liver Graft Quality Index**
Jiurui Tang, Mahtash Esfandiari, Ali Zarrinpar. Los Angeles, CA.
- C181 Trends in Liver Transplantation Among Older Adults with ESLD**
Christine Haugen, Qiong Huang, Marcos Pozo, Mara McAdams-DeMarco, Dorry Segev. Baltimore.
- C182 Liver Transplantation Using Pediatric versus Adult Donor Grafts in Adult Recipients**
Zhiyong Guo, Yunhua Tang, Xiaoshun He, Guodong Chen. Guangzhou, China.
- C183 Development and Validation of an FLF-Transplant Score to Predict Mortality of Patients with Fulminant Liver Failure**
Zhiyong Guo, Binfeng Chen, Xiaoshun He, Guodong Chen. Guangzhou, China.
- C184 Liver Transplantation Beyond MELD 40**
Joseph R. Scalea, David A. Bruno, Steven I. Hanish, John C. Lamattina, Josue Alvarez-Casas, Saad Malik, Arielle Cimen, Stephen T. Bartlett, Rolf N. Barth. Baltimore, MD.
- C185 In Mid Wait Regions Shorter Height and Female Sex Confer Lower Probability of Liver Transplant (LT) Among Patients with Hepatocellular Carcinoma (HCC)**
M. Sarkar, M. Kohi, J. Dodge, J. P. Roberts, N. Mehta. San Francisco.
- C186 Regional Variation in Liver Donor Utilization Across the U.S.**
Amy L. Friedman, Pradeep Bagavan, Sander S. Florman, Helen Irving, Benjamin Samstein, Benjamin R. Schleich. New York, NY; Binghamton, NY.
- C187 Status 1 Liver Transplantation: Changes in Characteristics and Outcome Over Time**
Hung Truong, Lea Lacar, Linda Wong. Honolulu, HI.

- C188 Polycystic Liver Disease Patients May Not Be Appropriately Represented by MELD Exception Policy**
Sajiv Chandradas, Jill Waalen, Catherine Frenette. La Jolla, CA.
- C189 Donation After Cardiac Death (DCD) Liver Transplantation (LT) Is Not Associated with Post-LT Renal Dysfunction**
Hani Wadei, Martin Mai, David Lee, Kristopher Croome, Barry Rosser, Andrew Keaveny, Burcin Taner. Jacksonville, FL.
- C190 Racial Differences in Liver Cirrhosis-Related Mortality Among Patients with Model for End-Stage Liver Disease Sodium Score (MELDNa) \leq 15**
K. Atiemo, H. Maddur, L. Zhao, A. Skaro, S. Montag, L. VanWagner, S. Goel, A. Kho, R. Kang, J. Holl, M. Abecassis, J. Levitsky, L. Kulik, D. Ladner. Chicago; London, ON, Canada.
- C191 Anastomosis Time During Liver Transplantation Impairs Transplant Survival**
Ina Jochmans, Steffen Fieuw, Ineke Tieken, Undine Samuel, Jacques Pirenne. Leuven, Belgium; Leiden, Netherlands.
- C192 Graft and Patient Survival in Liver Transplantation for Primary Sclerosing Cholangitis with Organs from DCD versus DBD Donors: Analysis of the UNOS Database**
Omar Y. Mousa, Juan E. Corral, Maoyin Pang, David D. Lee, Justin H. Nguyen, Kristopher Croome, Denise Harnois. Jacksonville, FL.
- C193 Exceptions Points and Size Drive Gender Disparities in Liver Transplantation**
Lauren D. Nephew, David Goldberg, James D. Lewis, Pete Abt, Mathew Bryan, Kimberly A. Forde. Philadelphia, PA.
- C194 Geographic Differences in Secular Trends of Liver Supply and Demand**
Eric Chow, Rashikh Choudhury, Allan Massie, Sommer Gentry, Dorry Segev. Baltimore; Annapolis.
- C195 Extraction Time During Liver Retrieval Impairs Survival After Transplantation**
Ina Jochmans, Steffen Fieuw, Ineke Tieken, Undine Samuel, Jacques Pirenne. Leuven, Belgium; Leiden, Netherlands.
- C196 WHO Group II Pulmonary Hypertension Is Associated with Decreased Survival in Patients Awaiting Liver Transplantation**
Humna Abid Memon, Javier-Amionne Guerra, Barry Trachtenberg, Jerry Estep, Arvind Bhimaraj, Imad Hussain, Myung H. Park, Howard P. Monsour, Mark R. Ghobrial, Ashrith Guha. Houston, TX.
- C197 Donor Body Mass Index and Utilization of Liver Biopsy: An Evaluation of National Practices and Organ Utilization**
Justin A. Steggerda, Daniel R. Marguiles, Darren Malinoski, Matthew B. Bloom. Los Angeles, CA; Portland, OR.
- C198 A Surge in Liver Donors After Years of Decline, Is This the Tip of the Iceberg?**
Abbas Rana, Matthew Goss, Jeffrey Rees, Michael Kueht, John Vierling, Ayse Mindikoglu, Karim Halazun, Norman Sussman, Bruce Kaplan, Patrick Wood, N. Thao N. Galvan, Ronald Cotton, Christine O'Mahony, John Goss. Houston; Dallas; New York; Phoenix.
- C199 Exception Scores for Patients on the Liver Waiting List**
Tim Weaver, D. Schladt, M. Skeans, J. Pyke, J. Zeglin, S. Leppke, A. Israni, B. Kasiske, W. Kim, John Lake. Minneapolis, MN; Stanford, CA.
- C200 Greater Emphasis on Non-Eligible Donors as a Strategy to Decrease the Organ Shortage**
Kristopher P. Croome, David D. Lee, Andrew Keaveny, C. Burcin Taner. Jacksonville, FL.
- C201 Multidisciplinary Psychosocial Liver Transplant Evaluation in Patients with Alcoholic Liver Disease – Moving Beyond the Six-Month Rule**
Kevin E. Wenzke, Sean G. Kelly, Jens C. Eickhoff, Michael R. Lucey, John P. Rice. Madison, WI; Columbus, OH.

- C202 Outcomes of Moderately to Severely Steatotic Grafts in Liver Transplantation: A Meta-Analysis**
Keisha Bonner, Charat Thongprayoon, Wisit Cheungpasitporn, Michael Leise. Rochester; Cooperstown.
- C203 Is It Safe to Use Older Donor Liver Grafts for Older Recipients?**
Mohamed Safwan, Kelly Collins, Kazuhiro Takahashi, Michael Rizzari, Atsushi Yoshida, Marwan Abouljoud, Shunji Nagai. Detroit, MI.
- C204 ECMO in Liver Transplant**
Naeem Goussous, Steven Hanish, John LaMattina, Zachary Kon, Darryn Potosky, Joseph Scalea, William Hutson, Rolf Barth, David Bruno. Baltimore, MD.
- Pancreas and Islet (Auto and Allo) Transplantation**
- C205 † The Paradox in Pancreas After Kidney Transplantation (PAK): Better Results but Fewer Transplants Despite an Increase in High-Risk Patients**
Oleh Pankewycz, Angelika Gruessner, Mark Laftavi, Vaughn Whittaker, Vikram Aggarwal, Rainer Gruessner. Syracuse, NY.
- C206 Hypothermic Pulsatile Machine Perfusion for Human Pancreas Preservation**
Julien Branchereau, Karine Renaudin, Diego Cantarovich. Nantes, France.
- C207 A Multicenter, Prospective and Randomized Trial Comparing Pancreas versus Islet Transplantation: Should We Do It Now?**
Diego Cantarovich, Pierre-Yves Benhamou. Nantes, France; Grenoble, France.
- C208 † Pancreas Organ Underutilization: 15-Year Analysis**
S. Siddiqi, J. Almario, K. Villaroel-Gomez, J. Yoo, C. Blackburn, R. Batra, D. DiSabato, A. Lu, S. Akkina, A. Desai, R. Garcia-Roca. Maywood, IL.
- C209 † Survival Benefit of Kidney and/or Pancreas Transplantation for Patients with Type 1 Diabetes in the United States**
Rainer W. G. Gruessner, Mark R. Laftavi, Oleh Pankowycz, Vaughn Whittaker, Zeki Acun, Vikram Aggarwal, Nuri Ozden, Angelika C. Gruessner. Syracuse, NY.
- C210 † Simultaneous Pancreas and Kidney Transplant (SPK) – The New Standard of Care for Uremic Patients with Type 2 Diabetes Mellitus (T2DM)**
Angelika C. Gruessner, Mark Laftavi, Vaughn Whittaker, Zeki Acun, Oleh Pankowycz, Rainer Gruessner. Syracuse, NY.
- C211 Simultaneous Pancreas-Kidney Transplantation and Center Volume: Bigger Is Not Necessarily Better**
Tarek Alhamad, Andrew Malone, Daniel C. Brennan, Robert Stratta, Jason Wellen, Krista Lentine. St. Louis; Winston-Salem.
- C212 Utility of Concomitant Biopsy in Simultaneous Pancreas Kidney Transplant Recipients in the Identification of Rejection of Pancreas and Kidney**
Caroline Johnson, Katherine Johnson, Bruce Kaplan, M'hamed Temkit, Raymond Heilman, Sumi Sukumaran Nair, Hasan Khamash, Janna Huskey, Girish Mour, Harini Chakkera. Phoenix, AZ.
- C213 Beta Cell-Specific Free Circulating DNA May Predict the Outcome After Clinical Islet Transplantation**
Boris L. Gala-Lopez, Daniel Neiman, Tatsuya Kin, Doug O’Gorman, Andrew R. Pepper, Andrew J. Malcolm, Benjamin Glaser, Ruth Shemer, Yuval Dor, James Shapiro. Edmonton, AB, Canada; Jerusalem, Israel.
- C214 Post-Transplant Lymphoproliferative Disorder: Risk Analysis for Pancreas Transplant Patients**
Emmanuel Minja, Ty Dunn, Arthur Matas, Timothy Pruett, Raja Kandaswamy, Erik Finger. Minneapolis, MN.

- C215 Impact of Intensive Dosing of Mycophenolate on Pancreas Allograft Survival**
Jillian Fose, Kate Rolling, Nate Menninga, Glen Levenson, Margaret Jorgenson, Jon Odorico, Redfield Robert. Madison, WI.
- C216 Neurogenic Orthostatic Hypotension: An Iatrogenic Complication of Successful Pancreas Transplantation?**
S. A. Kuten, E. Simpson, A. Osama Gaber, D. T. Nguyen, E. A. Graviss, S. J. Patel, R. J. Knight. Houston, TX; Cary, NC.
- C217 Patterns and Associated Risk Factors for Early Readmissions Post Total Pancreatectomy and Islet Auto-Transplantation(TP-IAT)**
Varvara Kirchner, Anantha Bagdiwala, David Vock, Melena Bellin, Gregory Beilman, Louise Berry, Srinath Chinnakotla, Ty Dunn, Martin Freeman, David Sutherland, Timothy Pruett. Minneapolis.
- C218 Impact of Early Pancreas Graft Failure on Patient and Kidney Graft Survival After Simultaneous Pancreas and Kidney Transplantation (SPK)**
Angelika C. Gruessner, Mark R. Laftavi, Vaughn Whittaker, Zeki Acun, Oleh Pankowycz, Rainer Gruessner. Syracuse, NY.
- C219 Association of BK and CMV Viremia with Pancreas Allograft Survival Among Adults receiving Simultaneous Pancreas and Kidney Transplant: The Wisconsin Allograft Recipient Database (WisARD)**
Fahad Aziz, Brad Astor, Sandesh Parajuli, Neetika Garg, Brenda Muth, Didier Mandelbrot, Arjang Djamali, Dixon Kaufman, Jon Odorico, Hans Sollinger, Maha Mohamed. Madison, WI.
- C220 Posttransplant Employment Patterns Are More Favorable in Patients with Solitary Pancreas vs. Simultaneous Pancreas/Kidney (SPK) Transplants – The Impact of Native Kidney Function**
Stephan A. G. Gruessner. Syracuse.
- C221 Safety of Percutaneous Pancreas Allograft Biopsy in Enteric Drained Pancreas Transplants**
Yvonne Kassis, Emilio Poggio, Ziad Zaky. Cleveland, OH.
- C222 Does Pancreas Transplantation for the Patients with Diabetes Showed Significant Survival Benefit?**
Ji Yoon Choi, Joo Hee Jung, Sung Jin Chun, Sung Shin, Young Hoon Kim, Duck Jong Han. Seoul, Republic of Korea.
- C223 Outcomes Following Solitary Pancreas Transplantation – Do Steroids Matter?**
Carol C. Chan, Ignatius Y. S. Tang, Jose Oberholzer, Maya Campara. Chicago.
- C224 Clinical Outcome of Pancreas Transplantation in Elderly Patients with Diabetes Mellitus**
Joo Hee Jung, Ji Yoon Choi, Sung Shin, Young Hoon Kim, Duck Jong Han. Seoul, Korea.
- C225 Intraomental Non-Purified Islet Transplantation Isolated from DCD Donor Pancreas**
Shusen Wang, Guanghui Pei, Yaojuan Liu, Zhiping Wang, Boya Zhang, Yan Xie, Jinshan Wang, Zhongyang Shen. Tianjin, China.
- C226 Improved Method to Obtain High Islet Mass from Severely Fibrotic Pancreatitis Pancreases Intended for Clinical Islet Auto-Transplantation**
A. N. Balamurugan, G. Loganathan, W. Tucker, M. Dhanasekaran, S. Narayanan, A. Patel, S. P. Mokshagundam, Stuart Williams, Michael Hughes. University of Louisville, KY.
- C227 Insulin Therapy in Pancreas Donors as a Predictor of Subsequent Transplant Outcome**
Iestyn M. Shapey, Hussein Khambalia, Angela Summers, Titus Augustine, Martin K. Rutter, David van Dellen. Manchester, United Kingdom.

- C228 Elevated Serum Lipase Levels in Simultaneous Pancreas and Kidney Transplantation May Indicate Anti-HLA Donor Specific Antibody Response**
Basit Javaid, Tahir Raza, Peter Abrams, Seyed Ghasemian, Jack Moore, Alexander Gilbert, Monica Grafals, Jennifer Verbese, Matthew Cooper. Washington, DC.
- C229 Kidney Re-Transplant Rate in Simultaneous Kidney Pancreas Transplant Recipients**
Melanie McCormick, Jiangtao Luo, Arika Hoffman. Omaha, NE.
- C230 Send Diabetes on a Long Trip: The Pancreas Travels Well**
Jay A. Graham, Michelle L. Lubetzky, Attasit Chochechanachaisakul, Milan Kinkhabwala, Juan P. Rocca. Bronx, NY.
- C231 HLA Mismatching Does Not Have an Impact on Graft or Patient Survival in Simultaneous Kidney-Pancreas Transplantation. A Single Institution Experience**
Irfan Moinuddin, Muhammad S. Yaqub, Tim Taber, Dennis Mishler, Muhammad A. Mujtaba, John Powelson, Oluwafisayo Adebisi, Jonathan Fridell, Asif Sharfuddin. Indianapolis.
- C232 The Association of Donor Vasoactive Drugs with Pancreas Transplant Graft Survival**
Iestyn M. Shapey, Petros Yianoullou, Angela Summers, Titus Augustine, Martin K. Rutter, David van Dellen. Manchester, United Kingdom.
- C233 Pancreas Transplant with Duodeno-Duodenostomy and Caval Drainage Using a Diamond Patch Graft: A Single-Center Experience**
Byung Hyun Choi, Tae Beom Lee, Young Mok Park, Kwang Ho Yang, Chong Woo Chu, Je Ho Ryu, Byung Hyun Choi. Yangsan, Korea.
- C234 Simultaneous Pancreas/Kidney Transplant Recipients Are Predisposed to Symptomatic CMV-Infection and Concomitant Infectious Complications**
Thomas Schachtner, Marina Zaks, Andreas Kahl, Petra Reinke. Berlin, Germany.
- C235 BK Virus in Simultaneous Pancreas Kidney Transplantation**
Pablo D. Uva, Luis R. Leon, Elena B. Minue, Ana C. Dotta, Fernanda Toniolo, Roxana Pilotti, Eduardo Chuluyan, Domingo H. Casadei. Buenos Aires, Argentina.
- C236 Impact of Pancreatic Texture Assessment on Islet Isolation and Metabolic Outcome After TPIAT**
Gumpei Yoshimatsu, Monila Khadka, Michael C. Lawrence, Balamurugan N. Appakalai, Bashoo Naziruddin. Dallas, TX; Louisville, KY.
- C237 Contributing Factors and Impact of Microbial Contamination in Human Islet Isolation and Transplantation**
Raphael Meier, Diego Andrey, Nadja Niclauss, Pamela Sun, Christian van Delden, Benoît Bedat, Sandrine Demuylder-Mischler, Sophie Borot, Pierre-Yves Benhamou, Anne Wojtuszczyk, Nadine Pernin, Yannick Muller, Domenico Bosco, Thierry Berney. Geneva, Switzerland.
- C238 Total Pancreatectomy with Islet Autotransplantation Improves Quality of Life Allowing for the Resolution of the Intractable Pain with Good Glucose Control in Properly Selected Patients with Chronic Pancreatitis**
Alexander Kotukhov, Julia Solomina, Evelyn Konsur, Kamil Cieply, Lindsay Basto, Ling-jia Wang, Karolina Golab, Martin Tibudan, Andres Gelrud, Celeste Thomas, Jeffrey B. Matthews, Piotr Witkowski. Chicago, IL.
- C239 Initial Experience with Total Pancreatectomy-Islet Auto-Transplantation (TP-IAT) for Chronic Pancreatitis at the University of Louisville**
Michael Hughes, Eric Davis, Sriprakash Mokshagundam, William Tucker, Gopalakrishnan Loganathan, Stuart Williams, Balamurugan Appakalai. Louisville, KY.

- C240 Pancreatectomy and Islet Autotransplantation After Combined Split Liver Transplantation and Pancreaticoduodenectomy: A Case Report**
Rune Horneland, Steinar Guvåg, Olle Korsgren, Einar Aandahl. Oslo, Norway; Uppsala, Sweden.
- C241 Evaluation of Graft Functional Recovery After Simultaneously Pancreas and Kidney Transplantation with Donation After Cardiac Death in China (16 Cases of Report)**
Anbin Hu, Wenwei Liao, Cheng Zhang, Xiaofeng Zhu, Xiaoshun He. Guangzhou, China.
- C242 Simultaneous Pancreas-Kidney Transplantation Can Be Safely Done on Dabigatran Therapy**
Wojciech Lisik, Agnieszka Jozwik, Jaroslaw Czerwinski, Lukasz Gorski, Maciej Kosieradzki. Warsaw, Poland.
- C243 Serva NB1 versus Vitacyte Collagenase: Comparable Human Islet Isolation Outcomes Using DCD Donor Pancreas in China**
Yaojuan Liu, Peng Sun, Jiaqi Zou, Guanqiao Wang, Tengli Liu, Le Wang, Shusen Wang. Tianjin, China.
- C244 Total Pancreatectomy and Islet Autotransplantation into the Liver of a Patient with Previous Hepatitis C Infection**
Amer Rajab, Jill Buss, Phil A. Hart, Darwin Conwell, Sylvester M. Black, Ken Washburn. Columbus, OH.
- C245 Surgical Techniques for Pancreas Transplantation Graft without Vascular Reconstruction (Report of 8 Cases)**
Anbin Hu, Wenwei Liao, Cheng Zhang, Xiaofeng Zhu, Xiaoshun He. Guangzhou, China.
- C246 Comparative Analysis of Four Surgical Techniques in More Than 700 Pancreas Transplants in a Single Center**
Marcelo Perosa, Juan Branez, Leonardo T. Mota, Beimar Zeballos, Huda Noujaim, Luiz E. Ianhez, David Machado, Leon Alvim, Marcio Paredes, Tercio Genzini. Sao Paulo, Brazil.

- C247 † Safety and Decreased Inflammation of Early Double Cytokine Blockade (IL-1 β and TNF- α) Facilitates Engraftment in Islet Allotransplantation**
Nicholas Onaca, Morihito Takita, Marlon F. Levy, Bashoo Naziruddin. Dallas; Richmond.

Psychosocial and Treatment Adherence

- C248 eHealth Literacy and Patient Portal Utilization Among Transplant Recipients**
Kayla D. Smith, Aldrick Ruiz, Joel Wedd, Stephen Pastan, Ruth Parker, Rachel E. Patzer. Atlanta, GA.
- C249 Electronic Patient Portal Functionality Among Kidney and Liver Transplant Recipients**
Aldrick P. Ruiz, Kayla D. Smith, Joel Wedd, Kendra Little, Stephen Pastan, Rachel E. Patzer. Atlanta, GA.
- C250 Transplant Professionals' Attitudes and Approaches to the Living Kidney Donor-Recipient Relationship: Interview Study**
Angelique F. Ralph, Phyllis Butow, Jonathan C. Craig, Jeremy R. Chapman, John Gill, John Kanellis, Allison Tong. Sydney, Australia; Vancouver, Canada; Melbourne, Australia.
- C251 Donor and Recipient Views on Their Relationship in Living Kidney Donation: Thematic Synthesis of Qualitative Studies**
Angelique F. Ralph, Phyllis Butow, Camilla S. Hanson, Steve J. Chadban, Jeremy R. Chapman, Jonathan C. Craig, John Kanellis, Grant Luxton, Allison Tong. Sydney, Australia; Melbourne, Australia.
- C252 Pilot Study on Acupuncture in Living Liver and Kidney Donors**
Michelle Jesse, Mathew Kulas, Josephine Unitis, Nemie Beltran, Marwan Abouljoud. Detroit.
- C253 Impact of Caregiver on 30 Day Readmission After Lung Transplant**
Tiffany D. Coco, Cesar A. Keller, Francisco G. Alvarez, David B. Erasmus, Jorge M. Mallea. Jacksonville, FL.

C254 Is There a Role for Electronic Health Service in of Therapeutic Drug Monitoring of Immunosuppression?
Markus J. Barten, Iris Hausladen, Friedrich W. Mohr, Jens Garbade. Hamburg, Germany; Leipzig, Germany.

C255 Potential Barriers Hindering Non-Directed (Altruistic) Living Kidney Donors from Donating Their Kidneys
Ariella Maghen, Lorna Kwan, Grecia B. Vargas, Sarah E. Connor, Sima Nassiri, Elisabeth M. Hicks, Sally L. Maliski, Jeffrey Veale. Los Angeles, CA; Portland, OR; Kansas City, KS.

C256 Spiritual and Religious Faith of Actual and Potential Non-Directed (Altruistic) Living Kidney Donors
Ariella Maghen, Grecia B. Vargas, Sarah E. Connor, Sima Nassiri, Elisabeth M. Hicks, Lorna Kwan, Sally L. Maliski, Jeffrey Veale. Los Angeles, CA; Portland, OR; Kansas City, KS.

C257 Commonly Expressed Living Donation Fears and Concerns by Non-Directed (Altruistic) Living Kidney Donors in the United States
Ariella Maghen, Grecia B. Vargas, Sarah E. Connor, Sima Nassiri, Elisabeth M. Hicks, Lorna Kwan, Sally L. Maliski, Jeffrey Veale. Los Angeles, CA; Portland, OR; Kansas City, KS.

C258 † Medication Adherence and Medicare B Coverage Among Transplant Recipients
Safia Boghani, Heather Kirkham, Zina Berry, Meen Kang. Deerfield, IL.

PTLD/Malignancies

C259 † Predictors of Malignancies Across Solid Organ Transplantation
Mamatha Bhat, Kristin Mara, Ross Dierkhising, Kymberly Watt. Toronto, ON, Canada; Rochester, MN.

C260 10 Years of DTAC Experience with Kaposi's Sarcoma – Not Just Another PTL!
Michael Nalesnik, Marissa Clark, Susan Tlusty, Marian Michaels, Cameron Wolfe. Richmond.

C261 In Depth Characterization of the Innate Immune Response in Transplant Recipients with EBV Viremia
Victor H. Ferreira, Judah Batist, Deepali Kumar, Shahid Husain, Atul Humar. Toronto, Canada.

C262 The Efficiency and Safety of Chemotherapy for Urothelial Carcinoma in Post-Kidney Transplanted Patients
Yichen Zhu, Jun Lin. Beijing, China.

C263 Long-Term Malignancy Risk in Kidney Transplant Recipients Treated with Cyclophosphamide Pre-Transplant for Native Glomerular Disease
Jared Mills, Margaret Jorgenson, Jillian Fose, Brad Astor, Sarah Panzer. Madison, WI.

C264 Lymphoproliferative Disorders After Renal Transplantation Along Two Decades: A Large Longitudinal Study
Antonio Franco, Domingo Hernandez, Naroa Maruri, Angel Alonso, Marta Crespo, Auxiliadora Mazuecos, Carmen Diaz-Corte, Miguel Angel Gentil. Alicante, Spain; Málaga, Spain; Bilbao, Spain; A Coruña, Spain; Barcelona, Spain; Cadiz, Spain; Oviedo, Spain; Sevilla, Spain.

C265 Significance of Atypical Cytology in the Evaluation of Patients with End Stage Renal Disease for Transplantation
Jeffrey Law, Omar Ali, Harmenjit Brar, Patrick Luke, Alp Sener. London, ON, Canada.

C266 Incidence, Recurrence and Long Term Survival Post Chemotherapy in Renal Transplant Recipients with Post Transplant Lymphoproliferative Disorder: Single Center Study
Roshni Rathore, Kerry Tomlinson, Hari Dukka, Daniela Farrugia, Mark Lambie. Stoke-on-Trent, United Kingdom.

Tolerance/Immune Regulation

C267 † Chimerism-Related Allotolerance Is Induced by Exosome Acquisition and Reprogramming of Host Dendritic Cells
Diego Lema, William Bracamonte-Baran, Ewa Jankowska-Gan, Frans Claas, Jon van Rood, Arend Mulder, William J. Burlingham. Madison, WI; Baltimore, MD; Leiden, Netherlands.

- C268** **Operational Tolerance in Intestinal Transplantation: A Proven Possibility**
Brenna Houlihan, Priscilla Cha, Chris Cosentino, Jason Kaiser, Anshi Shukla, Jason Hawksworth, Cal Matsumoto, Thomas Fishbein, Alexander Kroemer. Washington, DC; Bethesda, MD.
- C269** **A-Antigen (Ag)-Specific Tolerance Following A-Ag Administration to Infant Mice**
Bruce Motyka, Yiqun Wang, Brendon Lamarche, Ibrahim Adam, Jean Pearcey, Kesheng Tao, Christopher W. Cairo, Peter J. Cowan, Lori J. West. Edmonton, Canada; Melbourne, Australia.
- C270** **Combination Therapy of iNKT Cell Ligand and CD40-CD154 Signal Blockade Establishes Islet Allograft Tolerance in Non-Myeloablative Bone Marrow Transplant Recipients**
Taichi Kanzawa, Toshihito Hirai, Rumi Ishii, Masayoshi Okumi, Hideki Ishida, Yasuyuki Ishii, Kazunari Tanabe. Tokyo, Japan.
- C271** **The Transcription Factor Batf and IRF1 Controls IL-10/IL-27 Expression in Dendritic Cells and Transplant Tolerance Induction**
Guangxiang Gu, Hualian Hang, Qiang Xia. Shanghai, China.
- C272** **Two Months Delayed Induction of Mixed Chimerism After Heart and Kidney Cotransplantation in Nonhuman Primates**
Kyu Ha Huh, Wiebke Sommer, Kortney Anne Robinson, Ximing Wu, Joshua Thomas Paster, Isabel M. Hanekamp, Abbas Dehnadi, Tatsuo Kawai, Rex Neal Smith, Robert B. Colvin, Gilles Benichou, Joren C. Madsen. Boston, MA.
- C273** **Human Regulatory T Cells Undergo Self-Inflicted Damage via Granzyme Pathways Upon Activation**
Jean Pierre Assaker, Esilida Karreci, Farokh Dotiwala, Sujit Routray, Ahmed Kurdi, Albana Mihali, Thiago Borges, Anil Chandraker, Leonardo Riella, Reza Abdi, Judy Lieberman, Jamil Azzi. Boston.
- C274** **Increased Expression of Fibrillin-1 and Presence of Fibroblastic Reticular Cells in Treg-Rich Organized Lymphoid Structures (TOLS) of Accepted Kidney Allografts**
A. Ayyar, C. Yang, D. K. Ndishabandi, R. White, P. S. Russell, J. C. Madsen, R. B. Colvin, A. Alessandrini. Boston, MA.
- C275** **IL-33 Enhances the Ability of Dendritic Cells to Expand Human Regulatory T Cells**
Yifei Zhao, Hong Zhang, Lisa M. Mathews, Heth R. Turnquist, Angus W. Thomson. Pittsburgh, PA.
- C276** **Expansion, Function and Clonotypic Analysis of Human Alloreactive Treg Stimulated with Different Dendritic Cell Populations or CD40L-Stimulated B Cells**
Hong Zhang, Yifei Zhao, Qizhi Tang, Angus W. Thomson. Pittsburgh, PA; San Francisco, CA.
- C277** **Tolerogenic Potential, Migratory Pathways, Engraftment and Long-Term Survival of Human Hematopoietic Chimeric Cells – A Novel Strategy to Induce Tolerance in Transplantation**
Maria Siemionow, Ewa Bryndza Tfaity, Erzsébet Szilagyi, Joanna Cwykiel, Safak Uygur, Michal Czerwinski. Chicago, IL.
- C278** **Aryl Hydrocarbon Receptor Regulates Myeloid Derived Suppressor Cells by Activating the ERK Signaling in a Murine Cardiac Transplantation Model**
Tsukasa Nakamura, Koji Masuda, Norio Yoshimura. Kyoto, Japan.
- C279** **Induction of Durable Mixed Hematopoietic Chimerism and Immune Tolerance in Non-Human Primates**
Paula Alonso-Guallart, Raimon Duran-Struuck, Jeffrey Stern, Sigal Kofman, Makenzie Danton, Jonah Zitsman, Yojiro Kato, Erik Berglund, Hugo Sondermeijer, Alicia McMurchy, Megan Levings, Megan Sykes, Adam Griesemer. New York, NY; Vancouver, Canada.

- C280 A Composite Score Associated with Spontaneous Operational Tolerance in Kidney Transplant Recipients**
R. Danger, M. Chesneau, C. Paul, P. Guérif, M. Durand, K. A. Newell, S. Kanaparathi, L. A. Turka, J.-P. Soulillou, R. Houlgatte, M. Giral, G. Ramstein, S. Brouard. Nantes, France; Atlanta, GA; Bethesda, MD; Boston, MA; Nancy, France.
- C281 Loss of Bat3 Could Promote Transplant Tolerance by Regulating CD4⁺ T Cells Function**
Guangxiang Gu, Hualian Hang, Qiang Xia. Shanghai, China.
- C282 CD4⁺IFN- γ *IL-10⁺ Regulatory Type 1 Cells Facilitate Prolongation of Graft Survival in Old Recipient Mice Treated with Rapamycin**
Timm Heinbokel, Markus Quante, Koichiro Minami, Abdallah Elkhal, Stefan G. Tullius. Boston, MA.
- C283 Blocked of Bat3 Expression Promotes Transplant Tolerance by Inducing IL-10 Expression in Dendritic Cells**
Guangxiang Gu, Hualian Hang, Qiang Xia. Shanghai, China.
- C284 Preventing Alloimmune Rejection in Heart Transplantation by Tolerogenic Dendritic Cells Induced by GDF15 Through Up-Regulation of IDO and Inhibition of the NF κ B Signalling Pathway**
Yixin Zhang, Guangfeng Zhang, Lisa A. Moszczynski, Duo Zhao, Palida Abulizi, Douglas Quan, Tina Mele, Kexiang Liu, Xiufen Zheng. London, ON, Canada; Cahngchun, China.
- C285 Which Tr1 Is Better for Transplant Tolerance Induction: Comparing the Tr1 Generated by IL-27 or TGF- β plus IL-27**
Guangxiang Gu, Hualian Hang, Qiang Xia. Shanghai, China.
- C286 Soluble Fibrinogen-Like Protein 2 Regulates Differentiation and Enhances Immunosuppressive Function of Myeloid-Derived Suppressor Cells in Allograft Immunity**
Cheng Yang, Bo Peng, Ming Xu, Tongyu Zhu. Shanghai, China.
- C287 The Intragraft Vascularized Bone Marrow Component and Recipient T Regulatory Cells Facilitate Tolerance Induction After Post Transplant High Dose Cyclophosphamide Treatment in VCA**
Georg J. Furtmüller, Byoung Chol Oh, Madeline L. Fryer, Sudipto Ganguly, Veronika Malek, Xianyu Zhou, Jeffrey Dodd-o, Giorgio Raimondi, Damon S. Cooney, Cory Brayton, W. P. Andrew Lee, Leo Luznik, Gerald Brandacher. Baltimore, MD.
- C288 CD4⁺CD28^{null} T Cells Require IL-15 & IL-21 to Become Alloresponsive**
Burç Dedeoglu, Nicolle H. R. Litjens, Rens Kraaijeveld, Wenda Verschoor, Carla C. Baan, Michael Betjes. Rotterdam, Netherlands.
- C289 Liver Targeted Expression of a Single Allogeneic MHC I Molecule Promotes Tolerance to Pancreatic Islet Allograft by Inducing Specific CD8⁺ Regulatory T Cells in Mice**
Valentin Le Guen, Jean-Paul Judor, Vanessa Gauttier, Nicolas Ferry, Jean-Paul Soulillou, Sophie Brouard, Sophie Conchon. Nantes, France; Paris, France.
- C290 † Induction of Tolerance to Renal Allografts in Non Human Primates by Concomitant Donor-Matched Vascularized Osteomyocutaneous Allotransplantation**
Fushun Zhong, Guangyin Zhao, Yong Wang, Jianxing Jiang, Yanfeng Wang, Shaojun Ye, Shengxian Tao, Lin Cai, Xinghuan Wang, Qifa Ye, Gang Chen, Xin Xiao Zheng. Wuhan, Hubei, China; Shanghai, China.
- C291 † CD4 and CD8 T Cells: Respectively Reprogrammed and Recapitulated in the Neonate to Induce Transplant Tolerance**
Roger A. Bascom, KeSheng Tao, Lori J. West. Edmonton, Canada.
- C292 † Functional Mystacial Pad Allograft Tolerance Induced and Maintained by Vascularized Bone Marrow Transplant**
Cheng-Hung Lin, Madonna Rica Anggelia, Chih-Jen Wen, Wen-Yu Chuang, Hui-Yun Cheng, Chih-Hung Lin, Gerald Brandacher. Taoyuan, Taiwan; Baltimore, MD.

- C293 Ethylene Carbodiimide Fixed Donor Splenocytes Combined with α -1 Antitrypsin Induce Indefinite Donor Specific Protection to Mice Cardiac Allografts**
Guodong Chen, Xingqiang Lai, Longhui Qiu, Yi Zhao, Shuangjin Yu, Jin Zhang, Lizhong Chen. Guangzhou, China.
- C294 CTLA4-Ig in Combination with FTY720 Reduces the Frequency of Memory Alloreactive T Cells and Promotes Heart Allograft Survival in Sensitized Recipients**
Stella Hsu Wei Khiew, Jinghui Yang, James S. Young, Jianjun Chen, Qiang Wang, Dengping Ying, Vinh Vu, Michelle L. Miller, Roger Sciammas, Maria-Luisa Alegre, Anita Chong. Chicago, IL; Davis, CA.
- C295 Liver Transplantation Tolerance Using Outbred Mice**
Miwa Morita, Charles Miller, John J. Fung, Lina Lu, Shiguang Qian. Cleveland, OH; Chicago, MI.
- C296 Dendritic Cells That Highly Express SOCS1 Induce T-Cell Hypo-Responsiveness and Prolong Islet Allograft Survival**
Ronghai Deng, Xinjun Lu, Maogen Chen, Zhicheng Xue, Xuzhi Zhang, Jiejie Xu, Linwei Wu, Yi Ma. Guangzhou, China.
- C297 Heat Shock Protein 90 Inhibitor, 17DMAG Suppresses Acute Allograft Rejection and Prolongs Allograft Survival in Solid Organ Transplantation**
Takeshi Maehana, Toshiaki Tanaka, Naoya Masumori. Sapporo, Japan.
- C298 Does Blockade of ICOS/ICOS-L Pathway Act Synergistically with α CD40 Costimulation Pathway Blockade?**
Natalie A. O'Neill, Tianshu Zhang, Xiangfei Cheng, Wenji Sun, Gheorghe Braileanu, Ivan Tatarov, Wessam Hassanein, Agnes M. Azimzadeh, Richard N. Pierson. Baltimore, MD.
- C299 † MERTK Mediates Transplantation Tolerance via Inhibition of TBK1 Phosphorylation and IFN- α Production**
Lei Zhang, Mathew DeBerge, Xiaomin Zhang, Jiaojin Wang, Zheng Zhang, Edward Thorp, Xunrong Luo. Chicago, IL.

- C300 † CD8+ TAb-supp Cells Are Key Inhibitors of Humoral Alloimmunity by Inhibiting CD4+TFH Cells and Killing Germinal Center B Cells**
Jason M. Zimmerer, Christina L. Avila, Steven M. Elzein, Bryce A. Ringwald, Robert Warren, Ginny L. Bumgardner. Columbus, OH.
- C301 † Exosomes Containing IL35 Are Secreted by Donor-Specific Regulatory T Cells and Cause Linked-Suppression**
Yusuke Tomita, Willam Bracamonte-Baran, Ewa Jankowska-Gan, Qianxia Zhang, Dario A. Vignali, William J. Burlingham. Madison, WI; Pittsburgh.
- C302 † A Novel Method for iNKT Cell-Mediated Ex Vivo Treg Expansion Applied to Induce Human Transplant Tolerance**
Haruki Katsumata, Masako Ikemiyagi, Satoshi Miyairi, Rumi Ishii, Taichi Kanzawa, Hironori Fukuda, Toshihito Hirai, Masayoshi Okumi, Yasuyuki Ishii, Kazunari Tanabe. Tokyo, Japan; Yokohama, Japan.

Tolerance: Clinical Studies

- C303 In Depth Characterization of Ex Vivo Expanded Polyclonal Regulatory T Cells Used in a Phase I Clinical Trial Following Kidney Transplantation**
Jessica Heinrichs, James Mathew, Iwona Konieczna, Jie He, Xuemei Haung, Ann LeFever, Joseph Leventhal. Chicago, IL.
- C304 † CD19⁺CD38^{hi}CD24^{hi} Immature Transitional B Cells in PBMCs of Tolerant Kidney Recipients of Facilitating Cell-Enriched Hematopoietic Stem Cells and Renal Allografts**
Yujie Wen, Andrea R. Merchak, Yiming Huang, Hong Xu, Larry E. Kahn, Joseph R. Leventhal, Suzanne T. Ildstad. Louisville, KY; Chicago, IL.
- C305 Identification of Promising Targets for Tolerance Induction Following Heart Transplantation**
Kristin Klaeske, Maja-Theresa Dieterlen, Julia Fischer, Jochen Hahn, Khalil Jawad, Jens Garbade, Friedrich W. Mohr, Sven Lehmann. Leipzig, Germany.

Poster Session D

Poster Viewing: 9:30 am – 12:00 pm
2:30 pm – 7:00 pm
Presenters in Attendance: 6:00 pm – 7:00 pm
Hall D1

D# indicates the board location where the poster will be displayed.

- † Those posters identified as an ATC Poster of Distinction by this symbol have received review scores that place them in the top 10% of their category. The Planning Committee encourages you to make them a priority when you visit the poster session.

Cellular & Bone Marrow Transplantation Session II

- D1** ***In Vitro* Optimisation of the Immunotherapeutic Effects of Umbilical Cord Derived MSC**
Samantha F. H. de Witte, A. Merino, M. Franquesa, T. Strini, J. A. A. van Zoggel, S. S. Korevaar, F. Luk, M. Gargasha, D. Roy, S. J. Elliman, P. N. Newsome, Carla C. Baan, Martin J. Hoogduijn. Rotterdam, Netherlands; Galway, Ireland; Birmingham, United Kingdom; Mayfield Village.
- D2** **The Impact of Tracheal Epithelial Cells Apoptosis on the Biological Behavior of Bone Marrow Mesenchymal Stem Cells (BMSCs) in OB**
Xiayi Zhang, Tian Xia, Chuanxiao Wang, Ke Jiang, Jianjun Wang, Jun Nie. Wuhan, Hubei, China.
- D3** **Experimental Study of Hepatocyte Proliferation Regulated by miR26a**
Jian Zhou, Xiaopeng Yuan, Weiqiang Ju, Xingyuan Jiao, Dongping Wang, Xiaofeng Zhu, Xiaoshun He. Guangzhou, China.
- D4** **Immunoregulatory Roles of CD137 Signaling in Graft-versus-Host Disease**
Hong R. Cho, Juyang Kim, Byungsuk Kwon, Jong S. Lee, Kyung S. Park. Ulsan, Republic of Korea.
- D5** **Induced Pluripotent Stem Cell (iPS) Derived Schwann Cells to Enhance Functional Recovery Following Nerve Injury and Limb Allotransplantation**
Barbara Kern, Karim Sarhane, Zuhaib Ibrahim, Bipasha Mukherjee-Clavin, Joshua Budihardjo, Chris Cashman, Kellin Krick, Stefan Schneeberger, W. P. Andrew Lee, Hai-Quan Mao, Gabsang Lee, Gerald Brandacher. Innsbruck, Austria; Baltimore, MD.
- D6** **Generation of Potent Monocytic Myeloid-Derived Suppressor Cells from Rhesus Macaque Bone Marrow**
Angus W. Thomson, Alan F. Zahorchak, Angie R. Perez-Gutierrez, Mohamed B. Ezzelarab. Pittsburgh, PA.
- D7** **Impact of Culture Expansion and Inflammatory Cytokine Challenge on DNA Methylation Profiles in MSC**
Samantha F. H. de Witte, F. S. Peters, A. M. Merino, S. S. Korevaar, S. J. Elliman, P. N. Newsome, J. B. J. Meurs, K. Boer, Carla C. Baan, Martin J. Hoogduijn. Rotterdam, Netherlands; Galway, Ireland; Birmingham, United Kingdom.
- D8** **IP-10 Monoclonal Antibody Treatment Suppresses Inflammatory Components of IBMIR and Improves Pancreatic Islet Graft Function**
Gumpei Yoshimatsu, Charles A. Chang, Carly M. Darden, Prathab B. Saravanan, Bashoo Naziruddin, Michael C. Lawrence. Dallas, TX.
- D9** **Decellularized Rat Liver Scaffolds Support Survival and Metabolic Function of Multilineage Allogenic Cells**
Wessam Hassanein, Avraham Werdesheim, Arielle Cimeno, Bryan Buckingham, Ali Khalifeh, Mehmet Uluer, Joshua Harrison, Dawn Parsell, Cynthia Drachenberg, Rolf Barth, John LaMattina. Baltimore, MD.
- D10** **Immunosuppressive Role of Pancreas Derived Mesenchymal Stem Cells**
Mazhar A. Kanak, Faisal Kunnathodi, Marlon Levy, Michael C. Lawrence, Bashoo Naziruddin. Richmond, VA; Dallas, TX.

- D11 Depletion of T-Cells from G-CSF Mobilized Human PBMC Prevents Acute GVHD in NSG Mice**
Yiming Huang, Hong Xu, Andrea Merchak, Anita Chhabra, Yujie Wen, Larry Kahn, Suzanne Ildstad. Louisville, KY.
- D12 Confirmation of the Safety of Cryopreserved Human Cord Blood Derived Di-Chimeric Cells in the NSG Mouse Model**
Joanna Cwykiel, Natalia Filipek, Erzsebet Szilagyi, Ewa Tfaity, Maria Siemionow. Chicago, IL.
- D13 Cell-Subset Diversity in Adipose Derived Regenerative Cells Used in Renal Ischemic Reperfusion Injury Treatment**
Rashida Lathan, Ryan S. Ghita, Dianne Z. Hillyard, Patrick B. Mark, Marc Clancy. Glasgow, United Kingdom.
- D14 Enhanced Hepatic Engraftment of Stem Cell Derivatives Using Magnetic Targeting into Structurally Normal Liver**
Naiyou Liu, Sam Fagg, Jeffrey Fair. Galveston, TX.
- D15 The Novel Establishment of Neuroma in Continuity Animal Model Based on Buccal Nerve in Rats**
Yun-Huan Hsieh, Chih-Jen Wen, Cheng-Hung Lin, Fu-Chan Wei, Yu-Cheng Pei. Taoyuan, Taiwan.
- D16 Beneficial Effects of Human Mesenchymal Stromal Cells on Porcine Hepatocytes Viability and Albumin Secretion**
Elisa Montanari, Joel Pimenta, Henk-Jan Schuurman, Jeremy Meier, Raphael P. H. Meyer, Alexandre Balaphas, Jonathan Sidibé, Aurelien Thomas, Solène Passemard, Sandrine Gerber-Lemaire, Carmen Gonelle-Gispert, Leo H. Buhler. Geneva, Switzerland; Geneva and Lausanne, Switzerland; Lausanne, Switzerland.

- D17 Senescence and Uremia Effects in Circulating T Cells Diverge in TREG Population and Cause T Cell Shift to a Memory Profile**
Geraldo R. R. Freitas, Maria L. Fernandes, Fabiana Agena, Omar Jabuul, Verônica Coelho, Francine B. C. Lemos, Fernanda Ramos, Ana H. Triboni, Elias David-Neto, Nelson Z. Galante. Sao Paulo, Brazil.
- D18 Technically Successful Miniaturization of Blood Hemofilters for an Artificial Kidney via Bioengineering Techniques**
Rachel C. Forbes, Clark Kensinger, Seth Karp, Joseph Groszek, Amanda Buck, Daniel Colvin, Shuvo Roy, William Fissell. Nashville; San Francisco.
- D19 Biodistribution of Adipose Derived Regenerative Cells Administered via the Renal Artery in Novel Rat Transplant Model**
Ryan S. Ghita, Rashida Lathan, Dianne Z. Hillyard, Patrick B. Mark, Marc J. Clancy. Glasgow, United Kingdom.
- D20 The Effect of Semimature Dendritic Cell on Transplantation Tolerance of Hepatocytes Differentiated from Mouse Embryonic Stem Cells**
Anbin Hu, Cheng Zhang, Wenwei Liao, Xiaofeng Zhu, Xiaoshun He. Guangzhou, China.

Diagnostics/Biomarkers Session II

- D21 Noninvasive Renal Transplant Graft Monitoring in Single Institution Using Cell-Free DNA in Recipient Plasma via Insertion-Deletion Allele Polymorphism**
Yen Seow Goh, Sze Yee Ho, Lata Raman, Vathsala Anantharaman, Ting Hui Goh, Siew Chuan Koay, Ho Yee Tiong. Singapore, Singapore.
- D22 High Eomesodermin Expression Correlates with Potent Human Allo-Reactive CD8⁺ Effector T Cells**
Angelica Perez-Gutierrez, Diana M. Metes, Yoshihiro Ono, Angus W. Thomson, Mohamed B. Ezzelarab. Pittsburgh, PA.

- D23 Transcriptome Analysis of CD4-Lymphocyte Specifically Deleted of IKKbeta or NEMO in an Experimental Model of Rapid Progressive glomerulonephritis (RPGN)**
Friedrich Thaiss, Jiabin Huang, Meilan Chen, Hans J. Paust, Gunther Zahner, Malik Alawi, Robert Geffers, Linlin Guo. Hamburg, Germany; Braunschweig, Germany.
- D24 Novel Biomarkers for Segregating Lung Transplant Rejection Phenotypes**
Joshua Y. C. Yang, Bart Vanaudenaerde, Tara K. Sigdel, Juliane Liberto, Stijn Verliden, Minnie M. Sarwal. San Francisco, CA; Leuven, Flemish Brabant, Belgium.
- D25 Pre-Transplant Recipient Transcriptomic Profile May Predict Delayed Graft Function (DGF) in Kidney Transplantation**
P. Pontrelli, F. Rascio, F. Pesce, M. Accetturo, G. Castellano, G. Zaza, A. Lupo, M. Fiorentino, L. Gesualdo, G. Stallone, G. Grandaliano. Bari, Italy; Foggia, Italy; Verona, Italy.
- D26 Identification of Plasma Protein Biomarkers of Acute Renal Allograft Rejection**
Maura Rossetti, Connor Fitzpatrick, Nicholas Harre, Ying Zheng, Neil Mercer, Gemalene Sunga, David Gjertson, Elaine Reed. Los Angeles, CA.
- D27 Donor-Derived Cell-Free DNA Parallels Increases in Donor Specific Antibodies in Pediatric Kidney Transplant Recipients**
Dan J. Stoltz, Aleah Brubaker, Marica Grskovic, Robert Woodward, Amy E. Gallo. Palo Alto, CA; Brisbane, CA.
- D28 Activation of Inflammation Amplifier in Kidney Graft and Urinary Biomarker for Chronic Rejection**
Haruka Higuchi, Daiki Iwami, Kiyohiko Hotta, Nobuo Shinohara, Masaaki Murakami. Sapporo, Hokkaido, Japan.
- D29 Immune Tolerance Monitoring in Renal Allograft Tolerance Induced by Transient Mixed Chimerism in Nonhuman Primates**
Kiyohiko Hotta, Tetsu Oura, Abbas Dehnadi, Kyu Ha Huh, Masatoshi Matsunami, Gilles Benichou, Joren C. Madsen, A. Benedict Cosimi, Tatsuo Kawai. Boston, MA.
- D30 Blood Gene Expression Predicts Bronchiolitis Obliterans Syndrome Appearance After Lung Transplantation**
R. Danger, P. J. Royer, D. Reboulleau, J. Loy, A. Tissot, P. Lacoste, A. Roux, M. Reynaud-Gaubert, R. Kessler, S. Mussot, C. Dromer, O. Brugière, J. F. Mornex, R. Guillemain, M. Dahan, C. Knoop, K. Botturi, C. Pison, L. Nicod, S. Brouard, A. Magnan, COLT and SysCLAD Consortia. Nantes, France; Marseille, France; Strasbourg, France; Le Plessis Robinson, France; Bordeaux, France; Paris, France; Lyon, France; Toulouse, France; Bruxelles, Belgium; Grenoble, France; Lausanne, Switzerland.
- D31 Life Confocal Imaging of Murine Liver Biopsies as Novel Tool to Assess Graft Viability Prior to Transplantation**
Rupert Oberhuber, Margot Fodor, Benno Cardini, Manuel Maglione, Martin Hermann, Jakob Troppmaier. Innsbruck, Austria.
- D32 Assessment of C4d Positive Biopsies with No Histological Evidence of Inflammation Using Nanostring nCounter Technology**
Katherine M. Dominy, Michelle Willicombe, Tariq Al Johani, Jack Galliford, Adam McLean, Terence Cook, Candice Roufosse. London, United Kingdom; Riyadh, Saudi Arabia.
- D33 Refinement of an Old Faithful: A Standardized Flow Cytometry Approach to Measure Donor-Recipient Alloreactivity (a Pilot Study)**
Anne Halpin, Morgan Sosniuk, Simon Urschel, Patricia Campbell, Ingrid Larsen, Lori West. Edmonton, Canada.

D34 Rejection of Human Kidney Allografts According to BANFF Classification Is Associated with a Chemokine-Enriched Protein Microenvironment in Biopsy Tissue

Christine S. Falk, Kerstin Daemen, Jana Keil, Frank Lehner, Hermann Haller, Jessica Schmitz, Jan-Hinrich Bräsen, Cornelia Blume. Hannover, Germany.

D35 Analysis of ApoL1 and MYH9 Genetic Polymorphisms Among the Hispanic Kidney Allograft Recipients

Youngil Chang, Tariq Shah, David Min. Pomona, CA; Los Angeles, CA.

D36 The Immunophenotype of Peritubular Capillaritis in Renal Transplant Biopsies

Tai Di Chen, Liam Rasch, Tariq Al Johani, Hilary McPhail, Michelle Willicombe, Adam McLean, Jack Galliford, Terry Cook, Candice Roufousse. London, United Kingdom; Riyadh, Saudi Arabia.

D37 Next-Generation Sequencing-Based Exosome MicroRNA Profiling for Specific Identification of Islet Damage

Prathab Balaji Saravanan, Jinghua Gu, Xuan Wang, Phuong Nguyen, Gumpei Yoshimatsu, Michael C. Lawrence, Bashoo Naziruddin. Dallas, TX.

D38 CXCL13 as a New Systemic Biomarker for B-Cell Involvement in Acute Kidney Allograft Rejection

Lena Schiffer, Flavia Wiehler, Maximilian Daemmrich, Katja Hueper, Michael Mengel, Anja Thorenz, Sibylle von Vietinghoff, Rong Song, Mario Schiffer, Faikah Gueler. Hannover, Germany; Edmonton, Canada.

D39 Imaging Cell Biology in Transplantation

Takuya Ueno, Martina McGrath, Melissa Yeung, Keehoon Jung, Yu Kihara, Osamu Konno, Yuki Nakamura, Hitoshi Iwamoto, Seok Hyun Yun, Anil Chandraker. Boston, MA; Hachioji, Tokyo, Japan.

D40 Urine Biomarkers (UBio) Correlate Poorly with Pre-Liver Transplant (LT) Kidney Biopsy Findings and Post-LT Kidney Function

Hani Wadei, Justin Belcher, Chirag Parikh, Thomas Gonwa, Martin Mai, John Lieske. Jacksonville, FL; New Haven, CT; Rochester, MN.

D41 Performance Comparison of Barcoded Oligos and Standard qPCR on Matched FFPE and RNAlater-Submerged Human Kidney Allograft Samples

Tara Sigdel, Mark Nguyen, Dejan Dobi, Juliane Liberto, Szu-Chuan Hsieh, Flavio Vincenti, Minnie Sarwal, Zoltan Laszik. San Francisco.

D42 Mechanistic Insights by RNA Profiling on Rejecting Vascularized Composite Allografts

Hui-Yun (Helen) Cheng, Shiau-Chin Liu, Chi-Fan Lin, Ling-Yi Shih, Fu-Chan Wei. Taoyuan, Taiwan.

Ischemic Injury and Organ Preservation Session III

D43 Omega 3 Attenuates Ischemia Reperfusion Renal Injury via Enhancement of Autophagy Flux

Jwa-Jin Kim, Jing Young Jeong, Dae Eun Choi, Ki Ryang Na, Kang Wook Lee. Daejeon, Korea.

D44 Protective Effect of New Delivery System of Nitric Oxide Releasing Nanofiber in Rat Model of Renal Ischemia-Reperfusion Injury

Jin Sug Kim, Hyung Joon Ahn, Da Rae Kim, Su Woong Jung, Eun Ji Park, Tae Won Lee, Chun Gyoo Ihm, Sang Ho Lee, Ju Young Moon, Yang Gyun Kim, Kyung Hwan Jeong. Seoul, Korea.

D45 Lipid Catabolism Provides Alternative Energy Source and Compensates for Mitochondrial Dysfunction in Reperfused Rat Kidneys After Ischaemia

Honglei Huang, Leon F. A. van Dullemen, Mohammed Z. Akhtar, M. Letizia Lo Faro, Anthony Dona, Maria Kaiser, Henri G. D. Leuvenink, Benedikt M. Kessler, Rutger J. Ploeg. Oxford, United Kingdom; Groningen, Netherlands; London, United Kingdom.

- D46** **Beneficial Effects of Hydrogen Sulfide (H₂S) on Renal Ischemia-Reperfusion Injury (IRI) in CLAWN Miniature Swine**
Yuichi Ariyoshi, Mitsuhiro Sekijima, Hisashi Sahara, Takahiro Murokawa, Akira Shimizu, Kazuhiko Yamada. Kagoshima, Japan.
- D47** **Preservation Solution Affects the Immunological Milieu in Lung Transplantation and Alters the Inflammatory Balance**
Ramon Bellmàs Sanz, Midas Seyda, Bettina Wiegmann, Christine Neudoerfl, Axel Haverich, Christine Falk, Gregor Warnecke. Hannover, Germany.
- D48** **Neuropeptide PACAP Prevents Hepatocyte Damage by Promoting Yes-Associated Protein (YAP) in Mouse Liver Ischemia/Reperfusion Injury**
Yuan Liu, Cheng Zhang, Ronald W. Busuttill, Jerzy W. Kupiec-Weglinski, Qiang Xia, Haofeng Ji. Los Angeles, CA; Shanghai, China; Hangzhou, China.
- D49** **The Polymer Pro-Drug APP-103 Mitigates I/R Injury and Improves Graft Function in a Pre-Clinical Renal Transplant Model**
Koichiro Minami, Hirofumi Uehara, Abdallah Elkhal, Soochan Bae, Jake Reder, Brandy Houser, Peter Kang, Stefan G. Tullius. Boston, MA; Lebanon, NH.
- D50** **PPAR- γ Agonist Attenuates Hepatic Ischemia-Reperfusion Injury in a Mouse Model by Regulating Kupffer Cell Polarization**
Ivan Linares, Kaveh Farrokhi, Juan Echeverri, Moritz Kathz, Dagmar Kollman, Matyas Hamar, Peter Urbanellis, Sujani Ganesh, Oyedele Adeyi, Paul Yip, Nazia Selzner, Markus Selzner. Toronto, ON, Canada.
- D51** **Mitochondrial Dysfunction Is a Common Feature of Injury in Donor Kidneys After Brain and Circulatory Death**
M. Letizia Lo Faro, Mohammed Z. Akhtar, Honglei Huang, Maria Kaisar, Rolando Rebolledo, Karl Morten, Lisa Heather, Anthony Dona, Henri Leuvenink, Susan Fuggle, Benedikt Kessler, Christopher Pugh, Rutger Ploeg. Oxford, United Kingdom; Groningen, Netherlands; Sydney, Australia.
- D52** **Proteins in Preservation Fluid Predict Delayed Graft Function of Kidneys from Donors After Circulatory Death**
Bas W. M. van Balkom, Hendrik Gremmels, Liselotte S. S. Ooms, Raechel J. Toorop, Frank J. M. F. Dor, Olivier G. de Jong, Laura A. Michielsen, Gert J. de Borst, Wilco de Jager, Arjan D. van Zuilen, Marianne C. Verhaar. Utrecht, Netherlands; Rotterdam, Netherlands; London, United Kingdom.
- D53** **ERK and HIF1 Play a Major Role in Hypothermic Protection Against Renal Ischemia-Reperfusion Injury**
Kang Wook Lee, Jing Young Jeong, Dae Eun Choi, Ki Ryang Na, Hong Jin Bae, Young Rok Ham. Daejeon, Korea.
- D54** **Autotransplantation of the Left Lung for the Treatment of Recurrent Life Threatening Pulmonary Hemorrhage Related to Pulmonary Vascular Malformation: A Unique Chance to Study Ischemia/Reperfusion Injury**
Christine S. Falk, Igor Tudorache, Carsten Müller, Wiebke Sommer, Kerstin Daemen, Jana Keil, Gesine Hansen, Axel Haverich, Gregor Warnecke, Nicolaus Schwerk. Hannover, Germany; Hannover, Deutschland, Germany.
- D55** **Direct Comparison of Hypothermic and Normothermic Organ Preservation in a Porcine Ex-Vivo Kidney Model**
Natalie Vallant, Bynvant Sandhu, Nienke Wolfhagen, Charles Pusey, Vassilios Papalois. London, United Kingdom; Innsbruck, Austria.

- D56 Human IL-10 Transfection of Porcine Lungs Significantly Increases IL-10 Levels in Vascular Perfusate During Human Blood Perfusion**
Christopher T. Laird, Lars Burdorf, Xiangfei Cheng, Natalie A. O'Neill, Selin Sendil, Dawn Parsell, Marcelo Cypel, Carol Phelps, David Ayares, Agnes M. Azimzadeh, Richard N. Pierson. Baltimore, MD; Toronto, Canada; Blacksburg, VA.
- D57 Low Level Light Laser Treatment Reduces Macrophage Retention and ROS Levels Following Tissue Injury**
Andre Paredes, David Benavidez, Rachana Patil, Basmah Khalil, Mayer Mitchell, Jun Cheng, Steve Mangos, Amelia Bartholomew. Chicago.
- D58 Renoprotective Effects of Carbon Monoxide-Releasing Molecule 3 in Ischemia Reperfusion Injury and Cisplatin-Induced Toxicity**
Young Eun Yoon, Hyung Ho Lee, Kyu Ha Huh, Myoung Soo Kim, Soon Il Kim, Yu Sean Kim, Woong Kyu Han. Seoul, Republic of Korea.
- D59 Objective Assessment of Graft Metabolism and Function During Ex Vivo Liver Perfusion**
Juan Echeverri, Stuart Cleland, Moritz Kath, Ivan Linares, Roizar Roizales, Nicolas Goldaracena, Dagmar Kollmann, Matyas Hamar, Peter Urbanellis, Sujani Ganesh, Oyedele Adeyi, David Robert Grant, Nazia Selzner, Marcin Wasowicz, Markus Selzner. Toronto, ON, Canada.
- D60 Split Liver *Ex-situ* Oxygenated Machine Perfusion: A Novel Approach to Organ Preservation and Treatment**
Negin Karimian, Viola Huang, Sharon Geerts, Safak Mert, Irene Beijert, Fermin Fontan, Mohamed M. Aburawi, Robert J. Porte, Korkut Uygun, James F. Markmann, Heidi Yeh. Boston; Groningen, Netherlands.
- D61 Cytotoxic Thrombin Inhibition Prior to Cold Ischaemia Attenuates Microvascular Endothelial Ischaemia-Reperfusion Injury**
Bynvant Sandhu, M. Prendecki, J. Crawley, N. Galloway-Phillips, N. Vallant, J. Mason, A. Dorling, R. Smith, C. Pusey, V. Papalois. London, United Kingdom.

- D62 Improved Preservation During Normothermic Ex-Vivo Liver Perfusion with Delta Opioid Agonist (D-Ala2, D-Leu5) Enkephalin (DADLE)**
Eliza W. Beal, Jung Lye Kim, Don Hayes Jr., Kenneth Washburn, Bryan A. Whitson, Sylvester M. Black. Columbus, OH.
- D63 Deciphering the Mechanism of Remote Ischemic Preconditioning and Its Potential Benefits in Ischemia/Reperfusion Injury by Metabolomics**
Sungsin Cho, Sang-Il Min, Song-Yi Kim, Min-Ji Cho, Won Pyo Cho, Sanghyun Ahn, Seung-Keo Min, Jongwon Ha. Seoul, Korea.

Kidney Immunosuppression: Novel Regimens and Drug Minimization

- D64 † Everolimus Does Not Increase Risk of Delayed Graft Function or Prolong Duration of Dialysis in Renal Transplantation**
Fuad Shihab, Yasir Qazi, S. P. Mulgaonkar, Kevin McCague, Dharmesh Patel, V. Ram Peddi, David Shaffer. Salt Lake City; Los Angeles; West Orange; East Hanover; San Francisco; Nashville.
- D65 † Tacrolimus Dose Variability, CYP3A5 Genotype and Acute Rejection in African American and European American Kidney Transplant Recipients**
S. R. Seibert, D. P. Schladt, B. Wu, W. Guan, C. Dorr, D. Berglund, R. P. Rimmel, A. J. Matas, R. Mannon, A. K. Israni, W. S. Oetting, P. A. Jacobson, For the DeKAF Genomics Investigators. Mpls, MN; Birmingham, AL.
- D66 † Conversion from Tacrolimus-Based to Everolimus-Based Immunosuppressive Therapy 3 Months After Living-Donor Kidney Transplantation: A Randomized-Controlled Clinical Trial**
Dennis A. Hesselink, Nauras Shuker, Joris A. J. Osinga, Marian C. Clahsen-van Groningen, Jeffrey Damman, Carla C. Baan, Jacqueline van de Wetering, Ajda T. Rowshani, Judith Kal -van Gestel, Willem Weimar, Teun van Gelder, Rachida Bouamar. Rotterdam, Netherlands.

- D67 † Effect of HLA-DQ Mismatch on Efficacy Outcomes and Renal Function in Kidney Transplant Recipients: Subanalysis from the ELEVATE Study**
W. Arns, J. M. Cruzado, H. Holdaas, P. M. Lopez, P. Bernhardt, G. Bader, F. H. J. Claas, M. van der Giet, J. W. de Fijter. Köln, Germany; Basel, Switzerland.
- D68 † Early Steroid Withdrawal and Infection in Kidney Transplant Recipients**
Sunjae Bae, Christine Durand, Lauren Kucirka, Sandra DiBrito, Robin Avery, Jacqueline Garonzik Wang, Dorry Segev. Baltimore, MD.
- D69 † High Risk Renal Transplant Recipients on Steroid Free Immunosuppression Regimen. Indiana University Experience**
Oluwafisayo Adebisi, Syed Hussain, Dennis Mishler, William Goggins, Muhammad Yaqub, Tim Taber, Asif Sharfuddin. Indianapolis, IN.
- D70 † Clinical Impact of Strength and Class of Pre transplant Donor Specific Antibody on Kidney Transplant Recipient Receiving Steroid Free Maintenance Immunosuppression Regimen**
Oluwafisayo Adebisi, Olivia Simo, Syed Hussain, Dennis Mishler, William Goggins, Tim Taber, Asif Sharfuddin, Muhammad Yaqub. Indianapolis, IN.
- D71 † Alloimmune Quiescence in Recipients with Long-Term Surviving Kidney Grafts**
Kathleen E. Brown, William M. Baldwin, Emlio Poggio, William Braun, Robert L. Fairchild. Cleveland, OH.
- D72 † Focal Segmental Glomerulosclerosis Recurrence in Renal Transplant Recipients Treated with Belatacept**
William H. Kitchens, Alton B. Farris, Stephen O. Pastan, Thomas C. Pearson, Christian P. Larsen, Andrew B. Adams. Atlanta, GA.
- D73 † Conversion from Twice Daily to Once Daily Tacrolimus Improves Adherence in Kidney Transplant Recipients**
Max A. Levine, Kevin Wen. Edmonton, AB, Canada.
- D74 Comparison of Long Term Survival Outcomes for Everolimus (EVR) vs. Mycophenolic Acid (MPA) Immunosuppressive Regimens Post Kidney Transplant**
Diane Cibrik, William Irish, Kevin McCague, Dharmesh Patel, Helio Tedesco. Ann Arbor, MI; Raleigh, NC; East Hanover, NJ; Sao Paulo, Brazil.
- D75 Prevalence of CYP3A Genomic Variations and Impact on Tacrolimus Dosing Requirements in Kidney Transplant Recipients in Eastern North Carolina**
Tomefa Asempa, Suzanne Hudson, Lorita Rebellato, Angela Q. Maldonado. Greenville, NC.
- D76 Immunosuppression (IS) Withdrawal (ISW) After ATG and Rituximab in Kidney Transplant Recipients (KTR): RESTARRT Early Results (NCT01318915)**
B. E. Burrell, J. Bromberg, C. Hartono, A. Posselt, A. Naji, D. Kaufman, R. Redfield III, S. Kanaparthi, D. Ikle, K. Much, N. Bridges, L. Sun, A. Priore, M. DesMarais, K. Crisalli, S. Chandran, J. Markmann. Bethesda/San Francisco; Baltimore; New York; San Francisco; Philadelphia; Madison; Chapel Hill; Bethesda; Boston.
- D77 Personalized Tacrolimus (TAC) Dosing Using Genetic Variants in Caucasian Kidney Transplant (Tx) Recipients**
D. J. Margraf, R. Brundage, D. Schladt, W. Guan, B. Wu, R. Remmel, C. Dorr, D. Berglund, R. Mannon, A. Matas, W. Oetting, A. Israni, P. A. Jacobson, For the DeKAF Genomics Investigators. Mpls, MN; Birmingham, AL.
- D78 Impact of Immunosuppression Adherence on *De Novo* Donor-Specific Antibody Formation in Renal Transplant Recipients in Canada: A Modeling Analysis**
J. Howell, R. F. Pollock, J. Schwartz. Markham, ON, Canada; Basel, Switzerland; Northbrook, IL.

- D79 Pre Transplant Donor Specific Antibodies and Clinical Outcomes in Kidney Transplant Recipient on Steroid Free Maintenance Immunosuppression Regimen**
Oluwafisayo Adebisi, Ayesha Sharfuddin, Muhammad Yaqub, Syed Hussain, Dennis Mishler, Asif Sharfuddin, William Goggins, Tim Taber. Indianapolis, IN; Karachi, Pakistan.
- D80 Alemtuzumab Induction and Belatacept Maintenance in Marginal Pathology Renal Allografts**
Tracy M. Sparkes, Bharath Ravichandran, Onumara Opara, Richard Ugarte, Jonathan S. Bromberg, Rolf N. Barth. Baltimore.
- D81 Renal Function Outcomes by HLA Mismatch in *De Novo* Kidney Transplant Recipients Receiving Everolimus Plus Reduced-Dose Cyclosporine versus Mycophenolate Plus Standard-Dose Cyclosporine: 24-Month Subanalysis of A1202 Study**
Kazunari Yoshida, Yoshihiko Watarai, Ken Nakagawa, Osamu Kamisawa. Sagamihara, Japan; Nagoya, Japan; Ichikawa, Japan; Tokyo, Japan.
- D82 Effect of Everolimus-Based Regimen on Graft Outcomes in Kidney Transplant Recipients with Diabetes at Baseline: Post-Hoc Analysis from the ELEVATE study**
J. W. de Fijter, H. Holdaas, J. S. Sanders, S. Sundar, F. Bemelman, P. M. Lopez, G. Bader, J. M. Cruzado, M. van der Giet. Leiden, Netherlands; Basel, Switzerland.
- D83 Benefits of Mycophenolate Sodium Over Mycophenolate Mofetil in Renal Transplant Patients Carrying UGT1A9 Polymorphism**
Natividad N. Calvo Romero, Isabel I. Perez-Flores, Amir A. Shabaka, Maria Angeles M. A. Moreno De La Higuera, Beatriz B. Rodriguez-Cubillo, Jesus J. Delgado, Marta M. Calvo, Virginia V. Lopez De La Manzanara, Ana Isabel A. I. Sanchez-Fructuoso. Madrid, Spain.
- D84 An Analysis of Tacrolimus XL Dosing in Obese Kidney Transplant Recipients**
Natalia Jasiak, James Thielke, Kristin Progar, Jinsong Chen, Christopher Adams, Enrico Benedetti, Patricia West-Thielke. Chicago.
- D85 Population Pharmacokinetic Profiling of Tacrolimus in Renal Transplant Recipients (RTRs) Taking Diltiazem**
Paul Raymond Trevillian, Munish Kumar Heer, Sharon Ainsworth, Adrian Donald Hibberd. Newcastle, NSW, Australia.
- D86 Optimization of Extended-Release Tacrolimus Dose with Mycophenolate Mofetil Based Immunosuppression in *De Novo* Kidney Transplant Recipients: 2 Years Outcome**
Yoshihiko Watarai, Shunji Narumi, Manabu Okada, Ryu Kimura, Kumiko Hatazoe, Kenta Futamura, Takayuki Yamamoto, Takahisa Hiramitsu, Makoto Tsujita, Norihiko Goto, Takaaki Kobayashi. Nagoya, Aichi, Japan; Nagakute, Aichi, Japan.
- D87 One Year Outcomes of Low-Dose vs Very Low-Dose Extended-Release Tacrolimus/Mycophenolate mofetil in *De Novo* Kidney Transplantation: A Multi-Center Randomized Controlled Trial**
Yuji Hidaka, Shigeyoshi Yamanaga, Mariko Toyoda, Shunji Narumi, Yoshihiko Watarai, Takaaki Kobayashi. Kumamoto, Japan; Nagoya, Aichi, Japan.
- D88 Comparison of Long Term Renal Function Outcomes for Everolimus (EVR) vs. Sirolimus (SIR) vs. Mycophenolate Acid (MPA) Immunosuppressive Regimens Post Kidney Transplant (Ktx)**
H. Tedesco, W. Irish, K. Dharmesh, D. Patel, D. Cibrik. Sao Paulo, Brazil; Raleigh; East Hanover; Ann Arbor.
- D89 The Associations Between Immunosuppression Use, Loss of Medicare and Kidney Allograft Outcomes**
Allyson Hart, Sally Gustafson, Andrew Wey, Noelle Hadley, Ajay Israni. Minneapolis.

- D90** **Determinants of Successful Use of Sirolimus in Renal Transplantation**
Marcel G. Naik, Wilfried Gwinner, Wolfgang Arns, Edin Basic, Klemens Budde, Fritz Diekmann, Michael Fischereeder, Jan Goßmann, Katharina Heller, Nils Heyne, Jan-Steffen Jürgensen, Christian Morath, Udo Riestler. Berlin, Germany; Hannover, Germany; Köln, Germany; Barcelona, Spain; München, Germany; Frankfurt, Germany; Erlangen, Germany; Tübingen, Germany; Heidelberg, Germany.
- D91** **A Novel, Dose-Adjusted Tacrolimus Trough Concentration (TTC) Model for Prediction and Variance Estimation**
J. Kim, S. Wilson, N. Undre, S. Fei, R. Kristy, J. Schwartz. Northbrook, IL; Chertsey, United Kingdom.
- D92** **Once-Daily versus Twice-Daily Tacrolimus in Living Kidney Transplantation: A Multicenter, Parallel Group, Open-Label, 5-Year, Randomized Non-Inferiority Trial**
Kohei Unagami, Masayoshi Okumi, Toshihito Hirai, Daisuke Toki, Hiroki Shirakawa, Tomokazu Shimizu, Kazuya Omoto, Masashi Inui, Hideki Ishida, Kosaku Nitta, Kazunari Tanabe. Tokyo, Japan; Yachiyo, Japan; Toda, Japan.
- D93** **Impact of Polymorphisms of UGT 1 A9 on the Prognosis of Renal Transplant Patients. Association with Digestive Tumors**
Natividad N. Calvo, Isabel I. Perez-Flores, Amir A. Shabaka, Maria Angeles M. A. Moreno, Beatriz B. Rodriguez-Cubillo, Jesus J. Delgado, Marta M. Calvo, Ana Isabel A. I. Sanchez-Fructuoso. Madrid, Spain.
- D94** **Steroid Withdrawal Using Everolimus in Maintenance Kidney Transplant Recipients with Post-Transplant Diabetes Mellitus**
Koji Nanmoku, Akira Kurosawa, Taro Kubo, Takahiro Shinzato, Toshihiro Shimizu, Takaaki Kimura, Takashi Yagisawa. Shimotsuke, Tochigi, Japan.
- D95** **A Novel Endpoint for Evaluating the Effect of Everolimus with Reduced Calcineurin Inhibitor on Long-Term Kidney Graft Outcome: The TRANSFORM Study Protocol**
T. R. Srinivas, C. Legendre, F. Oppenheimer, H. Tedesco-Silva, W.-L. Luo, P. Bernhardt, C. Sommerer, S. Chadban, F. Vincenti, J. Pascual. Murray; Basel, Switzerland.
- D96** **Systemic Meta-Analysis: Is Early Conversion to mTOR Inhibitors Represent a Suitable Choice in Renal Transplant Recipients?**
Kumar Jayant, Isabella Reccia, Julie Walton, Ajay Sharma, Ahmed Halawa. Liverpool, United Kingdom; London, United Kingdom; Sheffield, United Kingdom.
- D97** **Anti-CD25mAb Sparing Immunosuppressive Regimen Suppressed Recurrence of Post-Transplant Focal Segmental Glomerular Sclerosis- A Single Center Experience**
Hiroshi Harada, Yoshiki Wada, Nobuyuki Fukuzawa. Sapporo, Japan.
- D98** **Tacrolimus Pharmacogenomics: Association of Genetic Variants with Clinical Factors Including Tacrolimus Requirement, Clearance, Intraindividual Variability and Coefficient Variation**
Song-Yi Kim, Jaeseong Oh, Senghae Yun, In-Jin Jang, Sang-Il Min, Won Pyo Cho, Sungsin Cho, Sanghyun Ahn, Seung-Kee Min, Jongwon Ha. Seoul, Korea.
- D99** **Steroid Free Maintenance Immunosuppression in Kidney Transplantation: Indiana University Experience**
Syed Hussain, Tim Taber, Asif Sharfuddin, Muhammad Yaqub, William Goggins, Dennis Mishler, Oluwafisayo Adebisi. Indianapolis, IN.
- D100** **More Than Renal Function: Use of Belatacept to Improve Drug Toxicities**
Elizabeth A. Cohen, Brian Knight, William Asch. New Haven, CT; Storrs, CT.

- D101 Conversion from Calcineurin Inhibitor to Sirolimus in Kidney Transplantation Recipients with Malignancy**
Jung A. Yoon, Sun Myoung Kang, Sichan Kim, Chunghee Baek, Hyosang Kim, Su-Kil Park. Seoul, Republic of Korea.
- D102 Overweight Kidney Transplant Recipients Are at Risk of Being Overdosed Following Standard Bodyweight-Based Tacrolimus Dosing**
Dennis A. Hesselink, Louise M. Andrews, Brenda C. M. de Winter, Jiangtao Tang, Nauras Shuker, Rachida Bouamar, Ron H. N. van Schaik, Birgit C. P. Koch, Teun Van Gelder. Rotterdam, Netherlands; Chengdu, China.
- D103 Single-Center, Prospective, Open Label Pilot Study to Investigate the Effectiveness of Everolimus Associated with Mycophenolic Acid and Prednisone in Adult Patients Submitted to an Allograft Renal Transplant with Calcineurin Inhibitor Withdrawal on Week 16th**
Luiz Flávio C. Giordano, Marcus F. Lasmar, Heloísa R. Vianna, Euler P. Lasmar. Belo Horizonte, Minas Gerais, Brazil.
- D104 A Critical Analysis of Equations for MPA Exposure in Patients Under EC-MPS and Tacrolimus**
Elias David-Neto, Ana H. Triboni, Fernanda Ramos, Fabiana Agena, Pachcoalina Romano, Geraldo Freitas. Sao Paulo, Brazil.
- D105 Clinical Outcomes of Simplified Once-Daily Immunosuppressive Regimen for Stable Kidney Recipients**
Chang-Kwon Oh, Sung-Joo Kim, Kyu Ha Huh, Soo Jin Kim, Jin Seok Jeon, Sang Youb Han, Hong Rae Cho, Young Joo Kwon, Su Hyung Lee, Yu Seun Kim. Suwon, Republic of Korea; Seoul, Republic of Korea; Kumi, Republic of Korea; Goyang, Republic of Korea; Ulsan, Republic of Korea.
- D106 Effect of Everolimus on the Cardiac Function in Kidney Transplant Recipients**
Kazuma Tsujimura, Morihito Ota, Hideki Ishida, Kazunari Tanabe. Tomishiro-shi, Okinawa, Japan; Shinjuku-ku, Tokyo, Japan.
- D107 The Efficacy and Safety of Plaquenil in Kidney Transplants Patients with Lupus**
Salwa Rhazouani, Siddiq Anwar, Daniel Brennan, Krista Lentine, Karthikeyan Venkatachalam, Andrew Malone, Tarek Alhamad. Saint Louis; New Castle, United Kingdom; Weston.
- D108 Efficacy of Calcineurin Inhibitors Transferring to Rapamycin in Live Kidney Transplantation from Old Donors to Young Recipients**
Guodong Chen, Chang Wang, Zixuan Wu, Changxi Wang, Jiang Qiu, Lizhong Chen. Guangzhou, China.
- D109 Influence of Tacrolimus Metabolism Rate on Patients' Survival After Renal Transplantation**
Gerold Thölking, Julia Steinke, Katharina Schuette-Nuetgen, Hermann Pavenstädt, Barbara Suwelack, Stefan Reuter. Münster, Germany.
- D110 Tacrolimus Dose Requirement Based on the CYP3A5 Genotype in Renal Transplant Patients**
Lihui Qu, Zhoutao Xie, Hongfeng Huang, Hong Jiang, Jianghua Chen, Hong Jiang, Hong Jiang, Jianghua Chen, Jianghua Chen, Jianghua Chen. Hangzhou, Zhejiang Province, China.
- D111 Evaluation of the Conversion from Brand Name to Generic Immunosuppression in Hospitalized Organ Transplant Recipients**
Lindsey DeZotell, Kedra Blunck, Jennifer Guy, Mark Woods, Mary Reffett, Jeannie Terrell, Alisha Palermo, Kensey Gosch, Lee S. Cummings. Kansas City, MO.
- D112 Risks Associated with Recombinant IL2 Therapy in Renal Transplantation**
Martina M. McGrath, Sudipta Tripathi, Anil Chandraker. Boston.
- D113 Early Exposure of Everolimus with and without Calcineurin Inhibitors**
Claudia Felipe, Alexandra Ferreira, Tamiris Abait, Adrieli Bessa, Priscilla Ruppel, Liliane Hiramoto, Mayara Ivani, Helio Tedesco, Jose Medina- Pestana. São Paulo, SP, Brazil.

- D114** **Is Once-Daily Extended-Release Tacrolimus Better Than Twice-Daily Standard-Release Tacrolimus? A Meta-Analysis of Randomized Controlled Trials**
Guangxiang Gu, Hualian Hang, Qiang Xia. Shanghai, China.
- D115 †** **CMV and BK Virus Infections in Kidney Transplant Recipients Receiving an mTORi-Based Regimen versus a CNI-Based Regimen: A Systematic Review and Meta-Analysis**
Bassem Y. Tanios, Samir G. Mallat, Houssam S. Itani, Tamara Lotfi, Steven Gabardi, Elie A. Akl, Jamil R. Azzi. Beirut, Lebanon; Boston.
- D116** **Evolution of CCR4^{high}CD4⁺ Subpopulations in Renal Graft Blood After Steroid Withdrawal: A Prospective, Randomized, Controlled Study in Parallel Groups. Preliminary Results**
Juana Alonso-Titos, Pedro Ruiz-Esteban, Eulalia Palma, Abelardo Caballero, Eugenia Sola, Mercedes Cabello, Teresa Vazquez, Ana Duarte, Cristina Jirona, Domingo Hernandez. Malaga, Spain.
- Kidney: Acute Cellular Rejection**
- D117 †** **Pro Inflammatory Transitional B (TrB) Cells Characterize Renal Allograft Recipients with DSA and T Cell Mediated Rejection (TCMR)**
A. Sharma, A. Cherukuri, David Rothstein. Pittsburgh.
- D118 †** **Integrated Magnetic-Electrochemical Exosome (iMEX) Technology to Detect Rejection in Kidney Transplant Recipients**
Jean Pierre Assaker, Jongmin Park, Sujit Routray, Siawosh Eskandari, Hakho Lee, Jamil Azzi. Boston; Cambridge.
- D119** **A Prospective Observational Study to Evaluate Use of a Panel of Reactive T Cell (PRT) Assay as a Pre-Transplant Marker of Rejection in Kidney Transplant Recipients**
Daniel Brennan, Liise Kayler, David Wojciechowski, Ajit Limaye, A. Osama Gaber, Ian Durrant. St. Louis, MO; Buffalo, NY; Boston, MA; Seattle, WA; Houston, TX; Oxfordshire, United Kingdom.
- D120** **Long-Term Outcomes in HIV(+) Kidney Re-Transplant (ReTx) Recipients vs. Primary Transplant (PrimTx) Recipients**
Gregory Malat, Stephen Guy, Karthik Ranganna, David Reich, Gary Xiao, Sindhura Talluri, Meera Harhay, Lissa Levin Mizrahi, Christine Culkin. Philadelphia.
- D121** **Practice Patterns in the Treatment and Monitoring of Acute Cell-Mediated Kidney Graft Rejection in Canada**
Julie Leblanc, Peter Subrt, Michèle Paré, David Hartell, Lynne Sénécal, Tom Blydt-Hansen, Heloise Cardinal. Montreal, Canada; Vancouver, Canada; Edmonton, Canada.
- D122** **Soluble Human Leukocyte Antigen-G Levels and Prolonged Allograft Survival: A Demographic Analysis**
Christine Callaway, Ashwin Ajith, Vera Portik-Dobos, Peggy Best, Carlos Zayas, Rajan Kapoor, Anatolij Horuzsko, Laura Mulloy. Augusta, GA.
- D123** **Detection of Shared and Distinct Gene Expression Signatures in Tissue and Urine During Acute Rejection of Kidney Grafts**
Karen S. Keslar, Anna A. Zmijewska, Jianguo Chen, Kenneth A. Newell, Peter S. Heeger, Roslyn B. Mannon, Robert L. Fairchild. Cleveland, OH; Birmingham, AL; Atlanta, GA; New York, NY.
- D124** **Tacrolimus and Mycophenolate Exposure and Subclinical Tubulo-Interstitial Inflammation in Low Immunological Risk Renal Transplants**
Irina B. Torres, Anna Reisaeter, Francesc Moreso, Anders Asberg, Manel Perello, Chirstina Dörje, Joana Sellares, Karnsten Midtved, Hallvard Holdaas, Daniel Seron. Barcelona, Spain; Oslo, Norway.
- D125** **The IL6/Th17 Pathway May Play Different Roles in Cell-Mediated and Antibody-Mediated Alloimmune Injury in Renal Allografts**
Dejan Dobi, Qizhi Tang, Sindhu Chandran, Flavio Vincenti, Zoltan Laszik. San Francisco, CA.

- D126** **Pre-Transplant Panel Reactive T Cells (PRT) with IL-15 as a Risk-Stratifier of Acute Rejection in Kidney Transplant Patients on Belatacept Therapy**
P. Cravedi, I. Gandolfini, C. Donadei, R. Fairchild, K. A. Newell, R. B. Mannon, P. Heeger, CTOT16 Consortium. New York; Cleveland; Atlanta; Birmingham.
- D127** **Prediction of Renal Allograft Acute Rejection Using a Novel Non-Invasive Model Based on Acoustic Radiation Force Impulse**
Cheng Yang, Yunjie Jin, Shengdi Wu, Tongyu Zhu, Wanyuan He. Shanghai, China.
- D128** **The Effect of Histological Isolated Endarteritis and Solid Endoarteritis Combined with CD20 Positive B Cell Infiltration Appeared in Acute Cellular Rejection on Kidney Allograft Survival**
Rending Wang, Yan Jiang, Jiangyong Wu, Wenhan Peng, Hongfeng Huang, Jianghua Chen. Hangzhou, Zhejiang, China.
- D129** **Persistence/Progression of Early Banff Borderline Changes (BBC) Is Associated with Chronic Renal Allograft Damage and Can Be Predicted by B Cell Cytokine Profile**
A. Cherukuri, A. Sharma, R. Mehta, S. Hariharan, D. Rothstein. Pittsburgh.
- D130** **The Impact of Early Clinical and Subclinical T Cell Rejection After Kidney Transplantation**
William Hoffman, Puneet Sood, Rajil Mehta, Aravind Cherukuri, Christine Wu, Chethan Puttarajappa, Nirav Shah, Parmjeet Randhawa, Amit D. Tevar, Sundaram Hariharan. Pittsburgh, PA.
- D131** **Clinic-Based Medication Education Pilot Program**
Nimisha Sulejmani, Hasenia Albanna, TrisAnn Rendulic, Bryant B. Summers, Arin S. Jantz. Detroit, MI; Lexington, KY.

Kidney: Cardiovascular and Metabolic

- D132 †** **Lipid Abnormalities and Cardiovascular Events After Early Conversion to Everolimus in Kidney Transplant Recipients with Pretransplant Diabetes: 24-Month Analysis from Elevate Study**
M. van der Giet, J. W. de Fijter, F. Oppenheimer, G. Russ, P. M. Lopez, G. Bader, J. M. Cruzado, H. Holdaas. Berlin, Germany; Basel, Switzerland.
- D133** **Post-Transplant Graft Function Is Associated with Major Cardiovascular Events in Kidney Transplant Recipients: A Multicenter Cohort Study**
Jae Yoon Park, Yong Chul Kim, Seung Hee Yang, Sehoon Park, Su-Kil Park, Duck Jong Han, Yon Su Kim, Young Hoon Kim, Jung Pyo Lee. Gyeonggi-do, Korea; Seoul, Korea.
- D134** **Myocardial Improvement Six Months After Kidney Transplantation: Non-Contrast Cardiac Resonance Study**
Mariana Moraes Contti, Luis Gustavo Modelli Morales-Buenrostro, Hong Si Nga, Paula Dalsoglio Garcia, Mauricio Fregonesi Barbosa, Henrique Mochida Takase, Maryanne Machado da Silva, Ariane Marques Moyses. Botucatu, Sao Paulo, Brazil.
- D135** **Cyclosporine Effects on Blood Pressure Are Exaggerated in Pubertal Girls After Renal Transplantation**
Anette Melk, Rizky Indrameikha Sugianto, Bernhard M. W. Schmidt, Kai Krupka, Britta Höcker, Burkhard Tönshoff, Elke Wühl. Hanover, Germany; Heidelberg, Germany.
- D136** **Association Between Matrix-gla Protein Levels and Aortic Stiffness in Kidney Transplantation**
Miriana Dinic, Nicolas Maillard, Pierre Delanaye, Jean-Marie Krzesinski, Anne-Marie Saint-Remy, Etienne Cavalier, Christophe Mariat. Saint Etienne, France; Liège, Belgium.

- D137 Renal Function, Albuminuria and the Risk of Cardiovascular Events After Kidney Transplantation**
Ngan N. Lam, Marcello Tonelli, Krista L. Lentine, Brenda Hemmelgarn, Feng Ye, Aminu Bello, Scott Klarenbach. Edmonton, Canada; Calgary, Canada; St. Louis.
- D138 Everolimus Reduces Carotid Intima-Media Thickness in Renal Transplant Recipients After One Year: Randomized Controlled Trial**
Paula Dalsoglio Garcia, Henrique Moshida Takase, Hong Si Nga, Mariana Moraes Contti, João Carlos Hueb, Luis Gustavo Modelli Morales-Buenrostro. Botucatu, São Paulo, Brazil.
- D139 Cardiovascular Disease in Japanese Kidney Transplant Recipients**
Masayoshi Okumi, Kohei Unagami, Daiji Fujimori, Keisuke Hata, Toshihito Hirai, Hideki Ishida, Kazunari Tanabe, Japan Academic Consortium of Kidney Transplantation (JACK). Tokyo, Japan.
- D140 Change in QTC Interval After Kidney Transplant**
Eric J. Lai, Vinay Acharya, Duc T. M. Nguyen, Edward Graviss, Wadi Suki. Houston, TX.
- D141 Detection of Right Ventricular Dilation and Dysfunction by Transthoracic Echocardiography Predicts Renal Transplant Outcomes**
Francis J. Tinney Jr, Stephanie Lazar, Abhijit Naik, Milagros Samaniego-Picota, Nicole Bhave. Detroit, MI; Ann Arbor, MI.
- D142 No Impact of One Year of Everolimus, as Compared to MPA, in the Reversal of Left Ventricular Hypertrophy in Elderly Renal Transplant Recipients – Preliminary Data from Then Everold Study**
Elias David-Neto, Fabiana Agena, Meive N. Furtado, Ana C. T. Rodrigues, Jose L. Andrade, Francine B. C. Lemos, Flávio J. Paula. Sao Paulo, Brazil.
- D143 Pulse Pressure After Renal Transplantation – Influence on Outcome: Results from the Collaborative Transplant Study**
Bernd Krüger, Bernd Döhler, Bernhard K. Krämer, Caner Süsal. Mannheim, Baden-Württemberg, Germany; Heidelberg, Baden-Württemberg, Germany.
- D144 Impact of Body Mass Index and Waist Circumference in Kidney Transplant Recipients**
Jean-Emmanuel Serre, Mathilde Huet, Ilan Swarc, Vincent Pernin, Moglie Le Quintrec, Georges Mourad. Montpellier, France, Metropolitan.
- D145 Muscle Mass Is Predictive of Mortality in Obese Renal Transplant Patients**
Jean Sébastien Souweine, Moglie Le Quintrec, Ilan Szwarc, Vincent Pernin, Georges Mourad, Jean Paul Cristol, Jean Emmanuel Serre. Montpellier, France.
- D146 Obesity Is an Important Factor in Deceased but Not Living Donor Kidney Transplants**
Argiris Asderakis, Adel Ilham, Usman Khalid, Rafael Chavez. Cardiff, United Kingdom.
- D147 Glucose Tolerance After Kidney Transplant Is Affected by Systemic Insulin Sensitivity Rather Than Usage of Tacrolimus**
Daiki Iwami, Akinobu Nakamura, Kiyohiko Hotta, Hajime Sasaki, Takayuki Hirose, Haruka Higuchi, Yusuke Takada, Hideaki Miyoshi, Nobuo Shinohara. Sapporo, Hokkaido, Japan.
- D148 Propensity-Matched Comparison of Diabetic Patients and Non-Diabetic Patients in Living Donor Kidney Transplantation**
Chung Hee Baek, Hyosang Kim, Won Seok Yang, Duck Jong Han, Su-Kil Park. Seoul, Republic of Korea.

- D149 Early Introduction of Oral Paricalcitol in Renal Transplant Recipients. An Open-Label Randomized Study**
Hege K. Pihlstrøm, Franscesca Gatti, Clara Hammarstrom, Ivar Anders Eide, Monica Kasprzycka, Junbai Wang, Guttorm Haraldsen, My H. S. Svensson, Karsten Midtvedt, Anders Hartmann, Geir Mjøen, Dag Olav Dahle, Hallvard Holdaas. Oslo, Norway.
- D150 Serum Phosphorus and Cardiovascular Disease Outcomes, Graft Failure, or Total Mortality in Chronic Kidney Transplant Recipients**
Basma Merhi, Theresa Shireman, Myra Carpenter, John Kusek, Paul Jacques, Marc Pfeffer, Andrew Levey, Madhumathi Rao, Joseph Kim, Joachim Ix, Andrew Bostom. Chepachet, RI; Chapel Hill, NC; Bethesda, MD; Boston, MA; Toronto, ON, Canada; San Diego, CA.
- D151 Persistent Hypophosphatemia Among Deceased-Donor Kidney Transplant Recipients Is Donor-Dependent and Associated with Superior Long-Term Allograft Outcomes**
Natalie Maureen Otto, Thomas Schachtner, Petra Reinke. Berlin, Germany.
- D152 Albuminuria in Kidney Transplant Patients Is Associated with Increased Urine Serine Proteases with the Ability to Activate ENaC**
Gitte Hinrichs, Claus Bistrup, Henrik Birn, Boye Jensen. Odense, Denmark; Aarhus, Denmark.
- D153 Primary Hyperoxaluria Type-1 in Chinese Population: A Case Series and Review of Literature**
Dunfeng Du, Qianqian Li, Huibo Shi, Song Chen, Bin Liu, Zhengbin Lin, Gang Chen, Fanjun Zeng, Weijie Zhang, Zhishui Chen. Wuhan, Hubei, China.
- D154 The Clinical Significance of Red Cell Distribution Width (RDW) in Kidney Transplant Recipients**
Sehoon Park, Jonwon Ha, Yong Chul Kim, Hajeong Lee, Yon Su Kim, Chun Soo Lim, In Mok Jung, Duck-Jong Han, Su-Kil Park, Young Hoon Kim, Jung Pyo Lee. Seoul, Korea.

- D155 † The Effects of Aspirin on Major Adverse Cardiac Events and Kidney Allograft Outcomes: A Meta-Analysis**
Wisit Cheungpasitporn, Charat Thongprayoon, Donald G. Mitema, Michael A. Mao, Wonngarm Kittanamongkolchai, Maria L. Gonzalez-Suarez, Stephen B. Erickson. Rochester, MN.

Kidney: Pediatric

- D156 Impact of Six-Month Surveillance Biopsies and Monitoring in Pediatric Renal Transplant Recipients**
John M. Lyons, Daniel Ranch, Reed Hall, Pamela R. Maxwell, Kelley M. Hitchman, Yoko Hirase, Barrett R. Crowther. San Antonio, TX; Austin, TX.
- D157 † A Single Center Retrospective Review of Pediatric Kidney Transplant Outcomes According to Banff Grade and Cellular Rejection Treatment**
Justin Chen, Rochelle Liverman, Rouba Garro, Stephanie Jernigan, Pamela Winterberg. New York, NY; Atlanta, GA.
- D158 † Superior Long-Term Hypertension Management in Pediatric Kidney Transplant Recipients with Bilateral Native Nephrectomies**
Dan J. Stoltz, Aleah Brubaker, Abanti Chaudhuri, Paul Grimm, Waldo Concepcion, Amy E. Gallo. Palo Alto, CA.
- D159 † Ambulatory Blood Pressure Monitoring Detects High Prevalence of Hypertension in Recipients of Non-Renal Transplants**
Anette Melk, Nima Memaran Dadgar, Bianca Borchert-Mörlins, Rizky Sugianto, Ricarda Blöte, Imeke Goldschmidt, Rita Beier, Carsten Müller, Bernhard M. W. Schmidt. Hannover, Germany.
- D160 Carotid Intima-Media Thickness and Myocardial Strain in Pediatric Kidney Transplant Recipients**
K. Sgambat, S. Clauss, M. Lasota, A. Moudgil. Washington DC.

- D161 A Decade of Paediatric Kidney Transplantation in Children Weighing <20kg**
Pankaj Chandak, Jelena Stojanovic, Faisal Jamshaid, Nizam Mamode, Francis Calder, Jonathon Olsburgh, Chris J. Callaghan, Martin Drage, Geoff Koffman, Stephen D. Marks, Nicos Kessar. London, United Kingdom.
- D162 Strategies to Promote Pediatric Kidney Transplant Program in China – A Coming Opportunity with Development of Pediatric Deceased Donation**
Longshan Liu, Haibo Wang, Jie Ding, Bingyi Shi, Xuhui Zhong, Wenshi Jiang, Liping Chen, Huanxi Zhang, Changxi Wang. Guangzhou, China; Shenzhen, China; Beijing, China.
- D163 mTOR Inhibitor and Low-Dose Tacrolimus in Pediatric Kidney Transplant (PKT): 9-Years Data of a Bi-Therapy Treatment**
Ramon Vilalta, Enrique Lara, Alvaro Madrid, Marina Muñoz, Sara Chocron, Gema Ariceta. Barcelona, Spain.
- D164 Long Term Outcomes of Adult Kidney Transplants from Small Single Pediatric Donors Are Equivalent to Standard Criteria Donors**
Robert McMillan, Katherine Gray, Tarek K. Khader, Ali Al Jabri, Jim Kim, Anthony C. Watkins. New York, NY.
- D165 Renal Transplantation to the Extraperitoneal Cavity in Children Weighing Less Than 15 kg Can Be Performed Safely**
Keisuke Hata, Masayoshi Okumi, Kiyonobu Ishizuka, Kohei Unagami, Toshihito Hirai, Tomokazu Shimizu, Kazuya Omoto, Hideki Ishida, Motoshi Hattori, Kazunari Tanabe. Tokyo, Japan.
- D166 Donor Creatinine and Graft Outcomes in Pediatric Kidney Transplant Recipients**
Nicole Hayde, Marcela Del Rio. Bronx, NY.
- D167 Racial and Ethnic Disparities in Renal Replacement Therapy in Pediatric and Young Adult Population with End Stage Renal Disease (2005-2015)**
Roshan P. George, Mohua Basu, Larry A. Greenbaum, Allan D. Kirk, Nancy Kutner, Rachel E. Patzer. Atlanta, GA; Durham, NC.
- D168 Pediatric Recipients of Deceased Adult Donor Kidneys Have Equivalent Outcomes Compared with Pediatric Donors**
David Mikhail, Hemant Sharma, Jingwen Chen, Matthew Cooper, Alp Sener, Patrick Luke. London, ON, Canada; Washington, DC.
- D169 Intraoperative Fluid Management During Pediatric Kidney Transplantation with Less Than 15kg Body Weight Using Transesophageal Echocardiography as Hemodynamic Parameter**
Yoshihiko Watarai, Shunji Narumi, Ryu Kimura, Kumiko Hatazoe, Manabu Okada, Kenta Futamura, Takayuki Yamamoto, Takahisa Hiramitsu, Makoto Tsujita, Norihiko Goto, Yoshimitsu Goto. Nagoya, Japan.
- D170 Single Kidney Transplantation from Pediatric Donors Younger Than 3 Years to Adult Recipients**
Lan Zhu, Bin Liu, Sheng Chang, Dunfeng Du, Nianqiao Gong, Jipin Jiang, Zhishui Chen, Gang Chen. Wuhan, China.
- D171 Age-Related Differences in Gene Expression Among Kidney Allografts with Normal Histology and Calcineurin Inhibitor Nephrotoxicity**
Erika Rhone, Sai Vineela Bontha, Patrick D. Walker, Catherine Dumur, Daniel Maluf, Jorge Almenara, Valeria Mas. Charlottesville; Little Rock; Richmond.
- D172 Importance of HLA-DR Expression in Pediatric Renal Transplant Biopsies**
Omar Moussa, Sally E. Self, Katherine E. Twombly. Charleston.

D173 The Outcome of 0 Mismatch Kidney in Pediatric Population with High Immunologic. The Impact of Induction Therapy. An Analysis of UNOS Database

Vaughn E. Whittaker, Mark Laftavi, Zeki Acun, Rainer W. Gruessner, Angelika Gruessner. Syracuse, NY.

D174 Outcomes and Risk Factors for Graft Loss: Lessons Learned from More Than 1,056 Pediatric Kidney tx at a Single Center

Srinath Chinnakotla, P. Verghese, B. Chavers, V. Kirchner, J. Najarian. M.

D175 Rabbit Anti-Human Thymocyte Immunoglobulin (rATG) for Rescue Treatment of Chronic Antibody-Mediated Rejection (cAMR) After Pediatric Kidney Transplantation

Lars Pape, Thurid Ahlenstiel-Grunow, Jens Drube, Martin Kreuzer, Christian Lerch, Nele Kanzelmeyer, Sarah Wentz, Imke Hennies, Yasemen Cihan. Hannover, Germany.

D176 Outcomes for Plasma Cell Rich Rejection in Pediatric Kidney Transplant Patients

Omar Moussa, Sally E. Self, Katherine E. Twombly. Charleston.

D177 Isolated Angiotensin II Receptor Type I Antibodies (AT1R) Are Not Associated with Active Antibody Mediated Rejection (ABMR) in Pediatric Renal Transplant Recipients

Jua Choi, Mark Haas, Xiaohai Zhang, Olivier Aubert, Helen Pizzo, Elaine Kamil, Kim Irene, Stanley Jordan, Dechu Puliya. Los Angeles, CA.

D178 Impairment of Glucose Tolerance After Pediatric Kidney Transplant Is Associated with Worse Systemic Insulin Sensitivity Rather Than Fall in Insulin Secretion

Daiki Iwami, Kiyohiko Hotta, Hajime Sasaki, Takayuki Hirose, Haruka Higuchi, Yusuke Takada, Nobuo Shinohara. Sapporo, Hokkaido, Japan.

D179 Rates of Lost to Follow-Up Among Pediatric Heart, Kidney and Liver Transplant Recipients

Wida Cherikh, Sharon Bartosh, Read Urban, William Mahle, George Mazariegos, Eileen Brewer. Richmond, VA; Madison, WI; Atlanta, GA; Pittsburgh, PA; Houston, TX.

D180 Successful Implementation of a Pneumococcal Vaccination Program for Pediatric Kidney Transplant Recipients

Kathleen Sprott, Satish Nadig, Katherine E. Twombly. Charleston.

D181 Impact of a Pharmacist-Led Vaccine Recommendation Program for Pediatric Kidney Transplant Candidates

Clarice Carthon, Reed Hall, Pamela Maxwell, Barrett Crowther. St. Louis, MO; San Antonio, TX.

D182 Urinary Proteomics to Diagnose Chronic-Antibody-Mediated Rejection in Pediatric Kidney Transplantation

Nele K. Kanzelmeyer, Petra Zurbig, Harald Mischack, Krisztina Heindl Ruszai, Tomas Seemann, Matthias Hansen, Michael Henn, Alexander Fichtner, Burkhard Toenshoff, Anette Melk, Lars Pape. Hannover, Germany; Vienna, Austria; Prague, Czech Republic; Leipzig, Germany; Heidleberg, Germany.

D183 Small Pediatric Donor Kidney Transplantation in Pediatric Recipients

Hillary C. Yaffe, Patricia Friedmann, Liise K. Kayler. Bronx, NY; Buffalo, NY.

Liver – Kidney Issues in Liver Transplantation

D184 † Immediate vs. Delayed Kidney Implantation Is Associated with Improved Kidney Graft Survival in Combined Liver-Kidney Transplantation

Jeffrey Halldorson, Stephen Rayhill. San Diego, CA; Seattle, WA.

- D185 Does Simultaneous Liver Kidney Transplant in Patients with MELD \geq 35 on Renal Replacement Therapy at the Time of Transplant Improve Outcome?**
Bilal Ali, Chiranjeevi Gadiparthi, George Cholankeril, Sanjaya K. Satapathy, James Eason, Sateesh P. Nair. Memphis, TN.
- D186 † The Effect of Transplant Center Volume on Survival Outcomes for Patients Listed for Simultaneous Liver and Kidney Transplantation**
Rohan M. Modi, Dmitry Tumin, Eliza W. Beal, Don Hayes Jr., James Hanje, Anthony J. Michaels, Kenneth Washburn, Lanla F. Conteh, Sylvester M. Black, Khalid Mumtaz. Columbus, OH.
- D187 † Patient Outcomes Following the Disappearance of Donor Specific Antibody in Crossmatch Positive Simultaneous Liver-Kidney Transplant Recipients**
Peter T. Jindra, Gray Stacie, Abbas Rana, Christine O'Mahony, John Goss, Murthy Bhamidipati, Etheridge Whiston, Ronald H. Kerman. Houston, TX.
- D188 † A UNOS Database Analysis of Patient Outcomes from Kidney Alone versus Simultaneous Kidney Liver Transplants Utilizing Matched Donor Pairs**
Tiffany Zens, Juan S. Danobeitia, Paul Stahler, Glen Levenson, Robert Redfield III, Anthony M. D'Alessandro, Luis A. Fernandez. Madison, WI.
- D189 An Argument for Expanding the Simultaneous Liver and Kidney Transplant Criteria: Validity of the New UNOS Allocation Policy**
Shunji Nagai, Mohamed Safwan, Kelly Collins, Michael Rizzari, Dilip Moonka, Kimberly Brown, Anita Patel, Atsushi Yoshida, Marwan Abouljuod. Detroit, MI.
- D190 Simultaneous Liver-Kidney Transplants Using Donation After Cardiac Death Donors Long Term Outcomes Not Inferior to Brain Dead Donors**
Josue Alvarez-Casas, Samuel T. Sultan, Joseph R. Scalea, Katrina R. McClure, John C. LaMattina, David A. Bruno, Steven I. Hanish, Rolf N. Barth. Baltimore, MD.
- D191 Combined Dual-Kidney Liver Transplantation in the United States: A Review of UNOS/OPTN Data Between 2002 and 2012**
Grigoriy Shekhtman, Edmund Huang, Erik L. Lum, Gabriel M. Danovitch, Phuong-Thu T. Pham, Basmah Abdalla, Suphamai Bunnapradist. Los Angeles, CA.
- D192 Benefit of Anti-Hepatitis B Immunoglobulin(HBIG) Monotherapy Compared to HBIG Combined with Entecavir in Long Term Renal Function**
Jae Geun Lee, Juhan Lee, Jung Jun Lee, Seung Hwan Song, Jee Youn Lee, Su-Kyung Kwon, Myoung Soo Kim, Gi Hong Choi, Soon Il Kim, Dong Jin Joo. Seoul, Republic of Korea; Seongnam, Republic of Korea.
- D193 Incidence and Outcomes of Immediate Post-Operative Dialysis in Liver Transplantation**
Shunji Nagai, Mohamed Safwan, Kelly Collins, Michael Rizzari, Atsushi Yoshida, Marwan Abouljuod. Detroit, MI.
- D194 The Impact of *De Novo* Post-Transplant Diabetes on Hepatic Steatosis and Liver Transplant Outcomes**
Claire Reuter, Ruth-Ann Lee, Randall Watkins, Sarah Lieber, Kristen Szempruch, David Gerber, G. Stephen DeCherney, A. Sidney Barritt IV. Chapel Hill, NC.
- D195 Knowledge of Chronic Kidney Disease Among Liver Transplant Patients**
J. Park, C. Koerschner, S. Selman, J. Mawby, S. Paknikar, C. Sonnenday, J. Wright Nunes, P. Sharma. Ann Arbor.
- D196 Long-Term Preservation of Renal Function in Liver Transplant Recipients with Rabbit Anti-Thymocyte Globulin Induction and Delayed Initiation of Calcineurin Inhibitors**
Iman Bajjoka, Alexander S. Yaldo, Catherine Crombez, Kimberly Brown, Marwan S. Abouljuod. Detroit, MI.

D197 Pre-OLT CKD-3 Increases Post-OLT ESRD and AKI Impacts Early Post-OLT Survival

Geovani Faddoul, Luz Liriano-Ward, Paul Chang, Yorg Azzi, Kinsuk Chauhan, Girish Nadkarni, Vinay Nair, Rebecca Kent, Susan Lerner, Steven Coca, Peter Heeger, Sanders Florman, Schiano Thomas, Madhav C. Menon. Irvington, NY.

D198 Restrictive Approach to Simultaneous Liver Kidney Transplantation

Samuel T. Sultan, Suzanna Fitzpatrick, Talia A. Kozlowski, Saad A. Malik, Steven I. Hanish, David A. Bruno, Matthew Weir, William Hutson, Rolf N. Barth, John C. LaMattina. Baltimore.

D199 Rapid Deterioration of Pre-Transplant Kidney Function Requiring Dialysis Is a Prognostic Factor in Liver Transplant Alone

Shunji Nagai, Mohamed Safwan, Kelly Collins, Michael Rizzari, Dilip Moonka, Anita Patel, Kimberly Brown, Atsushi Yoshida, Marwan Abouljoud. Detroit, MI.

Liver: Immunosuppression and Rejection

D200 † Evaluation of Renal Function After a Transition to Everolimus or Mycophenolate Mofetil in Liver Transplant Recipients

C. Perez, J. Fleming, M. Sell, B. O'brien, A. Rogers, I. Lee, C. Mardis, A. Mardis, N. Patel, H. Meadows, N. Pilch, K. Chavin, D. Dubay, R. Vinayak, D. Taber. Chareleston, SC; Charleston, SC.

D201 Prospective DSA Monitoring and Significance of *De Novo* DSA in Adult Liver Transplantation

Shekhar A. Kubal, Richard Mangus, Jonathan Fridell, Burcin Ekser, Romil Saxena, Natalia Rush, Nancy Higgins, Marwan Ghabril, Marco Lacerda, Andrew Lobashevsky. Indianapolis, IN.

D202 † Delayed Calcineurin Inhibitor Introduction and Long Term Renal Outcomes in Liver Transplant Recipients Receiving Basiliximab Induction

Nicholas Lange, David Salerno, Chelsea Sammons. New York, NY.

D203 National Variation in Liver Transplant Immunosuppression in the U.S.

M. Nazzal, R. Ouseph, M. Schnitzler, Z. Zhang, D. Axelrod, D. Segev, A. Naik, H. Randall, D. Brennan, B. Kasiske, G. Hess, T. Alhamad, K. Lentine. St Louis; Greenville; Baltimore; Ann Arbor; Minneapolis; Philadelphia.

D204 Subclinical Histologic Findings Are Observed in 25% of Stable Adult Liver Transplant Recipients (ALTRs) Screened for Immunosuppression Withdrawal (ISW): OPTIMAL (NCT02533180)

S. Chandran, M. Abecassis, J. Levitsky, S. Feng, A. Humar, J. Emond, G. Klintmalm, A. J. Demetris, K. Much, L. Sun, A. Priore, D. Ikle, N. Bridges, M. DesMarais, B. E. Burrell, J. Markmann. San Francisco; Chicago; Pittsburgh; New York; Dallas; Chapel Hill; Bethesda; Boston.

D205 Impact of Donor Genotype on Recipient Tacrolimus Pharmacokinetics: The Liver Matters

S. Tremblay, T. Fukuda, T. Mizuno, E. S. Woodle, B. Abu Jawdeh, A. Govil, U. Christians, J. Klawitter, A. A. Vinks, R. R. Alloway. Cincinnati; Colorado.

D206 Everolimus Is Associated with Less Weight Gain Than Tacrolimus Two Years Following Liver Transplantation: Results of a Randomized Multicenter Study

Michael Charlton, Mary Rinella, Dharmesh Patel, Kevin McCague, Julie Heimbach, Kymberly Watt. Salt Lake City; Chicago; East Hanover; Rochester.

D207 This is Why We Can't Have Nice Things- Real World Experience with Everolimus in Livers

C. Perez, J. Fleming, M. Sell, B. O'Brien, A. Rogers, I. Lee, C. Mardis, A. Mardis, N. Patel, H. Meadows, N. Pilch, K. Chavin, D. Dubay, D. Taber. Chareleston, SC; Charleston, SC.

- D208** **Liver Transplant Recipients Undergoing Non-Transplant Surgeries and Everolimus Use as Primary Immunosuppressant- Busting the Myth of Wound Infection Due to mTOR Inhibitors**
Shih-Chao Hsu, Ashok Thorat, Long-Bin Jeng, Horng-Ren Yang, Ping-Chun Li, Chun-Chieh Yeh, Te-Hung Chen, Kin-Shing Poon. Taichung, Taiwan.
- D209** **An Investigation of Biopsy-Proven De Novo Autoimmune Hepatitis After Hepatitis C Clearance with Direct Acting Antivirals in Liver Transplant Patients**
Rohini R. Sigireddi, Jennifer M. Moffett, Michael L. Kueht, Ruth L. Ackah, Abbas Rana, Christine A. O'Mahony, John A. Goss, Sadhna Dhingra, Saira A. Khaderi. Houston, TX.
- D210** **Limited Impact of Pre-Existing Donor Specific HLA Antibodies on Long Term Survival After First Adult Liver Transplantation**
Martina Koch, Matthias Marget, Martina Sterneck, Hansjörg Thude, Bjorn Nashan. Hamburg, Germany.
- D211** **Effect of Hepatitis C (HCV) Treatment on Rejection Incidence and Severity in Post-Liver Transplant Patients**
Chase Skillin, Mba Uzoma Mba, Bahar Madani, Catherine Frenette. La Jolla, CA.
- D212** **Rapamycin Maintenance Therapy in Pediatric Liver Transplant Recipients Associated with Trend Toward Decreasing Th2 Cytokine Levels Compared to Tacrolimus Therapy**
Ryan T. Fischer, Amara Seng, Laurel Gardner, Linda J. Steele, Lisa K. Harvey, Heather Wasserkrug, Walter S. Andrews, Richard J. Hendrickson, James F. Daniel, Thomas Yankee. Kansas City, MO; Kansas City, KS.
- D213** **Acute Antibody-Mediated Rejection in Pediatric Liver Transplantation**
Calvin Eriksen, Michael Zimmerman, Joohyun Kim, Stacey Lerret, Grzegorz W. Telega, Bernadette E. Vitola, Jennifer Schiller, Johnny C. Hong. Milwaukee.
- D214** **Course of Inflammatory Bowel Disease Activity in Primary Sclerosing Cholangitis Patients Undergoing Liver Transplantation**
Ravish Parekh, Maria Cristina Segovia, Nirmal Kaur. Detroit, MI; Durham, NC.
- D215** **Liver Transplantation Outcomes Using Anti-Thymocyte Globulin Induction in Patients with Autoimmune Hepatitis**
Spencer LeCorchick, Amit Sharma, Idris Yakubu, Chandra Bhati, Trevor Reichman, Le Kang, Marlon Levy. Richmond, VA.
- D216** **Type of Surgical Procedures and Clinical Significance of Calcineurin Inhibitor Temporary Discontinuation Regarding LT Recipients Undergoing Major Elective Surgery**
Chan Woo Cho, Jonghwan Lee, Kyeong Sik Kim, Seounghyun Kim, Ji Soo Lee, Kyo Won Lee, Jong-Man Kim, Gyu-Seong Choi, Choon Hyuck David Kwon, Jae-Won Joh. Seoul, Republic of Korea.
- D217** **Steroid-Free Immunosuppression After Liver Transplant for Autoimmune Disease Does Not Result in Increased Disease Recurrence**
Alexander Hooper, Catherine Frenette. San Diego, CA; La Jolla, CA.
- D218** **Graft-versus-Host Disease Following Deceased Donor Liver Transplant**
Krishna G. Putchakayala, Sharon Skorupski, Shatha Farhan, Marsha Chaffins, Safwan Ilias, Hiraq Pahari, Kelly Collins, Shunji Nagai, Marwan Abouljoud. Detroit, MI.
- D219** **Identification of a Stable Gene Signature of Transplant Tolerance to Liver Allograft by Meta-Analysis**
Guangxiang Gu, Hualian Hang, Qiang Xia. Shanghai, China.
- D220** **Plasma Cell Hepatitis in Primary Sclerosing Cholangitis Patients: 15-Year Experience at a Transplant Center**
Juan Putra, Thomas D. Schiano, M. Isabel Fiel. New York, NY.
- D221** **Treating Refractory Liver Allograft Rejection with Photopheresis**
Ileana Lopez Plaza, Arthur Eisenbrey, Mohammad Raoufi, Atsushi Yoshida, Dilip Moonka. Detroit, MI.

Liver: Viral Hepatitis

- D222 † HCV Eradication with DAA Therapy Should Be Attempted Prior to Liver Transplantation and Does Not Impact HCC Recurrence**
Juliet Emamaullee, Mariusz Bral, Glenda Meeberg, Aldo Montano-Loza, Vince Bain, David Bigam, Norman Kneteman, A. M. James Shapiro. Edmonton, AB, Canada.
- D223 Liver Allograft Hepatitis and Graft Loss After Hepatitis C Clearance**
David A. Bruno, Sara Brown, Steven I. Hanish, John C. LaMattina, William Hutson, Shyam Kottlil, William S. Twadell, Rolf N. Barth. Baltimore, MD.
- D224 Spousal Transmission of Hepatitis B from a Hepatitis B Core Antibody Positive Liver Transplant Recipient – A Case Report**
Janet Gripshover, Kristina Hidalgo, Bharath Ravichandran. Baltimore, MD.

Living Donor Kidney Transplant II

- D225 Shared Decision Aid to Decipher Long-Term Treatment Risks for End Stage Renal Disease Patients**
Jennifer C. Gander, Amita Manatunga, Kim Jacob Arriola, Stephen O. Pastan, Rachel E. Patzer. Atlanta, GA.
- D226 Donor and Recipient Factors Important in Determining the Estimated GFR Difference Between Living Donor and Recipient Pairs Six Months After Transplant**
Douglas Keith. Pensacola, FL.
- D227 The Implication of the Dominant Side Split Renal Function by Diethylenetriamine Penta-Acetic Acid (DTPA) in Live Kidney Donor**
Hyung Ho Lee, Young Eun Yoon, Sung Ku Kang, Kyu Ha Huh, Myoung Soo Kim, Soon Il Kim, Yu Seun Kim, Woong Kyu Han. Seoul, Korea.
- D228 Strategies to Economize Dialysis and Transplantation in Low Resource Settings**
S. Adibul Hasan Rizvi, Mirza Naqi Zafar, Tahir Aziz, Asad Shahzad Hasan, Rehan Mohsin, Altaf Hashmi, Zafar Hussain, Fazal Akhtar, Ejaz Ahmed, Anwar Naqvi. Karachi, Pakistan.

- D229 Risk Prediction Models for Living Donor Kidney Transplantation to Predict Donor and Recipient Mortality and Graft Loss**
Maria C. Haller, Geir Mjøen, Hallvard Holdaas, Georg Heinze, Rainer Oberbauer. Vienna, Austria; Oslo, Norway.

- D230 Sexual Dysfunction Among Living Kidney Donors**
Samantha Halpern, Alvin Thomas, Courtenay Holscher, Allan Massie, Macey Henderson, Saad Anjum, Jayme Locke, Dorry Segev. Baltimore, MD; Birmingham, AL.

- D231 Long-Term Clinical Outcomes of Kidney Transplant Recipients with Body-Size Mismatch Between Recipient and Donor**
Yusuke Takada, Daiki Iwami, Kiyohiko Hotta, Koichi Kanagawa, Haruka Higuchi, Takayuki Hirose, Hajime Sasaki, Nobuo Shinohara. Sapporo, Hokkaido, Japan; Asahikawa, Hokkaido, Japan.

- D232 Retroperitoneoscopic Living Donor Nephrectomy Safely Secures Excellent Graft Function**
Takayuki Hirose, Kiyohiko Hotta, Daiki Iwami, Hajime Sasaki, Haruka Higuchi, Yusuke Takada, Nobuo Shinohara. Sapporo, Hokkaido, Japan.

- D233 Sensitized KPD Pairs Take Longer to Find Matches**
Courtenay Holscher, Eric Chow, Carlin Purcell, Matthew Ronin, Jacqueline Garonzik-Wang, Allan Massie, Sommer Gentry, Dorry Segev. Baltimore; New York; Annapolis.

- D234 Enhanced Recovery After Surgery Pathway for Living Donor Nephrectomy Patients Decreases Length of Stay and Narcotic Utilization**
Rachel C. Forbes, Adam B. King, Tracy J. McGrane, Douglas A. Hale, Warren S. Sandberg, John P. Wanderer, Matthew D. McEvoy. Nashville, TN.

- D235 Optimizing Support for Living Kidney Donors: Insights from a Prospective Study**
D. Dobosz, C. Thiessen, S. Li, K. Yu, J. Gannon, K. Kennedy, D. Gray, A. Mussell, P. Reese, E. Gordon, S. Kulkarni. New Haven; Philadelphia; Chicago.
- D236 Semi-Automated Pre-Donation Computed Topography (CT) Cortical Renal Volume to Predict Kidney Function in Live Kidney Donors 2 Years Following Donation**
Ling-Xin Chen, Ghaneh Fananapazir, Robert C. Benzl, Michael T. Corwin, Susan Stewart, Christoph Troppmann. Sacramento, CA; Davis, CA.
- D237 Comparison of the Estimated and Measured Glomerular Filtration Rate in Kidney Donor Candidates**
Collette O. Akhimiona, Wadi N. Suki, Duc T. Nguyen, Edward Graviss. Houston, TX.
- D238 Timing of HLA Testing as a Means of Reducing Cost and Increasing Efficiency of Living Kidney Donation**
Erika K. Venniro, Jeremy G. Taylor. Rochester, NY.
- D239 Lower Rates of Living Donation Among Transplant Centers Located in the Stroke Belt**
Rhiannon D. Reed, Brittany A. Shelton, Paul A. MacLennan, Michael Hanaway, Vineeta Kumar, Robert Gaston, Jayme E. Locke. Birmingham.
- D240 Predictors of Renal Function Compensation in Live Donor Nephrectomy**
J. Hui Choong Choong, Hatem Ali, Aimun Ahmed. Preston, United Kingdom; Prston, United Kingdom.
- D241 The Impact of Tacrolimus and MPA Derivative Immunosuppression on Acheived GFR in Recipients without Rejection: A Comparison of GFR of Living Donor Recipient Pairs at Six Months Post-Transplant**
Douglas Keith. Pensacola, FL.
- D242 How Potential Living Kidney Donors (LKDs) View ESRD Risk: A Multi-Center Study**
C. Thiessen, G. Gannon, D. Gray, K. Kennedy, D. Dobosz, S. Li, K. Yu, A. Mussell, E. Gordon, P. Reese, S. Kulkarni. New Haven; Philadelphia; Chicago.
- D243 Impact of Visceral and Subcutaneous Adipose Tissue on Post Donation Renal Function in Living Kidney Donors**
Hyung Ho Lee, Sung Ku Kang, Young Eun Yoon, Kyu Ha Huh, Myoung Soo Kim, Soon Il Kim, Yu Seun Kim, Woong Kyu Han. Seoul, Korea.
- D244 The Outcome of Kidney Grafts from Living Donors with Pyelo-Ureteric Junction Dysfunction**
C. Gledhill-Flynn Gledhill-Flynn, Hatem Ali, Aimun Ahmed. Preston, United Kingdom.
- D245 Challenges for the Travelling Donor: Variability Between Donor Work-Up and Donor Surgery in the Canadian Kidney Paired Donation Program**
Brian A. Reikie, Tadeusz Krocza, Thomas B. McGregor. Winnipeg, MB, Canada; Toronto, ON, Canada; Kingston, ON, Canada.
- D246 A Retrospective Study on the Impact of Abdominal Surgical Histories on Hand-Assisted Laparoscopic Donor Nephrectomy for Living Donor Adult Kidney Transplant**
Takahisa Hiramitsu, Kenta Futamura, Manabu Okada, Makoto Tsujita, Norihiko Goto, Shunji Narumi, Yoshihiko Watarai. Nagoya, Aichi, Japan.
- D247 Tangible Benefits in Caregiving Burden Among Spouses/Partners of Transplant Patients: Adding “Donor Benefit” to Live Donor Risk Assessment**
Sarah Rasmussen, Lauren Duquette, Macey Henderson, Dorry Segev. Baltimore.

D248 **Expectations and Experiences of Follow-Up and Self-Care After Living Kidney Donation: A Focus Group Study**

Karine E. Manera, Camilla S. Hanson, Jeremy R. Chapman, John Kanellis, John Gill, Jonathan C. Craig, Steve J. Chadban, Germaine Wong, Angelique F. Ralph, Allison Tong. Sydney, NSW, Australia; Westmead, NSW, Australia; Clayton, VIC, Australia; Vancouver, BC, Canada; Camperdown, NSW, Australia.

D249 **African American Living Kidney Donors' Attitudes About APOL1 Genetic Testing: Implications for Evaluation and Informed Consent**

Elisa J. Gordon, Crystal Johnson, Catherine Wicklund, Richard R. Sharp, John Friedewald. Chicago, IL; Rochester.

D250 **Interruption of RAAS in Hypertensive Proteinuric Kidney Donors**

Otto A. Sanchez, Laine Ferrara, Danielle Berglund, Arthur J. Matas, Robert Foley, Hassan N. Ibrahim. Mpls, MN; Minneapolis, MN.

D251 **Live Donor (LDTx) HIV(+) Kidney Transplantation Improves Allograft Survival vs. Deceased Donor (CRD) Transplantation**

Gregory Malat, Dong Heun Lee, Karthik Ranganna, Sindhura Talluri, Lissa Levin Mizrahi, Meera Harhay, Christine Culkin, Stephen Guy. Philadelphia.

D252 † **Usefulness of Multi-Detector Computed Tomography (MDCT) Scanning as a Replacement for Diethylenetriamine Pentaacetic Acid (DTPA)**

Hyung Ho Lee, Woong Kyu Han, Kyu Ha Huh, Myoung Soo Kim, Soon Il Kim, Yu Sean Kim, Young Eun Yoon. Seoul, Republic of Korea.

Long Term Kidney Outcomes

D253 † **Recurrence of IgA Nephropathy After Kidney Transplantation in Maintenance Steroids versus Steroid Avoidance Regimens: A UNOS/OPTN Analysis**

Napat Leeaphorn, Neetika Garg, Eliyahu Khankin, Francesca Cardarelli, Martha Pavlakis. Boston, MA.

D254 † **Trends in Long-Term Outcomes of Kidney Transplantation in Australia and New Zealand**

Wai Lim, Wing-Chi Yeung, Scott Campbell, Steven Chadban, Phil Clayton, Carmel Hawley, David Johnson, Stephen McDonald, Elaine Pascoe, Germaine Wong, Sunil Badve. Perth, Australia; Sydney, Australia; Brisbane, Australia; Adelaide, Australia.

D255 † **Renal Function Variability Is a Significant and Independent Risk Factor for Graft Loss and Death in Kidney Transplantation**

David Taber, Z. Su, A. Posadas, D. Dubai, C. Bratton, J. McGillicuddy, K. Chavin, T. Srinivas, S. Nadig, V. Rohan, P. Baliga. Charleston, SC; Salt Lake City, UT.

D256 † **Predictive Value of Renal Poly (ADP-Ribose) Polymerase (PARP) Expression Both in Inflammation and Interstitial Fibrosis Processes in Recipients with Antibody-Mediated Rejection**

B. Handan Ozdemir, F. Nurhan Ozdemir, Esra Baskin, Mehmet Haberal. Ankara, Turkey.

D257 † **Biomarkers of Epithelial-Mesenchymal Transition (EMT) in Chronic Allograft Nephropathy: Potential for Early Detection and Development of Novel Therapeutic Agents**

Siva Kanangat, Ricky Miller, Saba Rezaeian, Howide Eldib, David Cimbaluk, Cristina Fhied, Ina Kurbegovic-Skaljic, Michele Prod, Jeffrey Borgia, Maribeth Flaws, Demetra Castillo, Robert DeCresce. Chicago, IL.

D258 **Impact of Type of Kidney (Living vs. Deceased) on Urinary Podocyte Excretion Rate in Renal Allografts**

A. S. Naik, D. Luan, D. M. Cibrik, M. Samaniego, K. Woodside, M. Chowdhury, S. Wang, R. C. Wiggins. Ann Arbor.

D259 **The Effect of BMI on Renal Transplant Outcomes**

Emmanouil Giorgakis, Kunam Reddy, Andrew Singer, Hasan Khamash, Raymond Heilman. Phoenix, AZ.

- D260 Predictors of Graft Loss in an Urban Predominantly Minority Cohort of Kidney Transplant Recipients**
N. Hayde, L. Kamal, M. Ajaimy, M. Lubetzky, P. Bedi, G. de Boccardo, E. Akalin. Bronx, NY.
- D261 Urinary Type III Procollagen (PIIINP) Is Associated with Chronic Allograft Dysfunction and Predicts Graft Survival**
Rahmi Yilmaz, Tolga Yildirim, Dilek Baydar, Bulent Altun, Yunus Erdem. Ankara, Turkey.
- D262 Prospective Monitoring of 25-Hydroxyvitamin Vitamin D Levels After Kidney Transplantation and Its Associations with Clinical Outcomes**
P. Bedi, N. Hayde, L. Kamal, M. Ajaimy, M. Lubetzky, G. de Boccardo, E. Akalin. Bronx, NY.
- D263 Changes in Urinary Neutrophil Gelatinase Associated Lipocalin Combined with Urine Cytokines and Microalbuminuria as Predictors for Interstitial Fibrosis and Tubular Atrophy in Kidney Transplantation: A Matched-Pair Tissue Cohort Study**
Wiwat Chanchaoenthana, Asada Leelahavanichkul, Salin Wattanatorn, Jiraphorn Issara-Amphorn, Yingyos Avihingsanon, Karkiat Praditpornsilpa, Natavudh Townamchai. Bangkok, Thailand.
- D264 Adjunctive Thymoglobulin with Proteasome Inhibitor Based Treatment of Late Mixed Acute Rejection**
Alicia Lichvar, Abbie Leino, Simon Tremblay, Adele Shields, Flavio Paterno, Amit Govil, Manish Anand, Tayyab Diwan, Joseph Kremer, Rita Alloway, E. Steve Woodle. Cincinnati.
- D265 Effect of AKI Donor Admit Creatinine on Renal Transplant Outcomes**
Emmanouil Giorgakis, Raymond Heilman, Hasan Khamash, Bruce Kaplan, Adyr Moss, Maxwell Smith, Kunam Reddy. Phoenix, AZ.
- D266 Prognostic Histopathologic Characteristics in Recurrent IgA Nephropathy: The Clinical Significance of Vascular Change**
Sehoon Park, Hyunjeong Cho, My-Yeon Yu, Yong Chul Kim, Kyung Chul Moon, Yon Su Kim, Hajeong Lee. Seoul, Korea.
- D267 Comparing Renal Function Recovery and Long Term Outcomes in Recipients of Standard and Expanded Criteria Donor Kidney Transplants**
Shaifali Sandal, Marcelo Cantarovich, Steven Paraskevas, Nada Almaghrawi, Prosanto Chaudhury, Jean Tchervenkov. Montreal, Canada.
- D268 Seasonality of Mortality and Graft Failure Among Kidney Transplant Recipients in the US**
Brad C. Astor, Michal L. Melamed, Didier A. Mandelbrot, Arjang Djamali. Madison, WI; Bronx, NY.
- D269 Metabolomics Study for Identification of Potential Biomarkers of Long-Term Survival in Kidney Transplantation Recipients**
Chan-Duck Kim, Hee-Yeon Jung, Ryang-Hi Kim, Sang-Mi Park, Jung-Hwa Park, Kyung-Hee Lee, Eun-Song Lee, Kyu-Yeon Kim, Ji-Young Choi, Jang-Hee Cho, Sun-Hee Park, Yong-Lim Kim. Daegu, Korea.
- D270 Novel Classification of Membranoproliferative Glomerulonephritis Pattern of Injury in Renal Allograft Based on Immunofluorescence Microscopy: Precise Diagnosis and Prognosis Analysis**
Jiqui Wen, Xue Li, Mingchao Zhang, Feng Xu, Xuefeng Ni, Jinsong Chen, Zheng Tang, Zhihong Liu. Nanjing, China.
- D271 25-Hydroxyvitamin D [25(OH)D], but Not 1,25-Dihydroxyvitamin D [1,25(OH)₂D], Independently Predicts Kidney Graft Failure: The Wisconsin Allograft Recipient Database (WisARD)**
Brad C. Astor, Michal L. Melamed, Didier A. Mandelbrot, Arjang Djamali. Madison, WI; Bronx, NY.

D272 Inferior 10-Year Graft and Patient Survival After End-to-Side Reconstruction for Two Renal Arteries in Living Donor Renal Transplantation
Shigeyoshi Yamanaga, Andrew M. Posselt, Chris E. Freise, Claus Niemann, Angel Rosario, Danny Fernandez, Takaaki Kobayashi, Aaron J. Ahearn, Mehdi Tavakol, Sang-Mo Kang. San Francisco, CA; Kumamoto, Japan; Nagakute, Aichi, Japan; Worcester, MA.

D273 Even Non-Donor-Specific HLA-Antibodies Are Associated with a Progressive Decline in Kidney Transplant Function
Thomas F. Mueller, Kerem Gerritsen, Robert van Breemen, Barbara Ruesi, Seraina von Moos, Pietro Cippa. Zuerich, Switzerland.

D274 A Thirteen-Year Mayo Clinic Retrospective Study of the Syndrome of Rapid Onset ESRD Among Renal Transplant Recipients, 2001-2013
Macaulay A. Onuigbo, Nneoma C. Agbasi. Rochester, MN; Eau Claire, WI; Ilford, Essex, United Kingdom.

D275 Serum Alkaline Phosphatase Predicts Graft Failure and Mortality in Kidney Transplant Recipients
Yong Chul Kim, Seokwoo Park, Seung Hee Yang, Hajeong Lee, Young Hoon Kim, Su-Kil Park, Duck Jong Han, In Mok Jung, Jongwon Ha, Chun Soo Lim, Yon Su Kim, Jung Pyo Lee. Seoul, Republic of Korea.

D276 Impact of Non-Adherence in a Cohort of Kidney Transplant Recipients
Maribel Merino-López, Cesar Flores-Gama. Mexico, Mexico.

D277 Allograft Crescent Predicts Graft Failure in Recurrent IgA Nephropathy Patients
Sehoon Park, Hyunjeong Cho, My-Yeon Yu, Yong Chul Kim, Kyung Chul Moon, Yon Su Kim, Hajeong Lee. Seoul, Korea.

D278 Risk Factors of Recurrence of Diabetic Nephropathy in Renal Transplant
Beatriz B. Rodriguez Cubillo, Marta M. Calvo, Virginia V. Lopez De La Manzanara, Jose J. Bautista-Cañas, Isabel I. Perez-Flores, Maria Angeles M. A. Moreno De La Higuera, Natividad N. Calvo Romero, Ana Isabel A. I. Sanchez-Fructuoso. Madrid, Spain.

Non-Organ Specific: Economics, Public Policy, Allocation, Ethics

D279 † Deceased Donor-Initiated Non-Simultaneous Extended Altruistic Donor Chains Through the Military Share Program
Michael Rees, Obi Ekwenna, Eric Elster, Ankita Patel, Dan Murtagh, Jr, Alvin Roth, Kim Krawiec, Jeff Arrington, Itai Ashlagi, Jason Hawksworth. Toledo, OH; Perrysburg, OH; Bethesda, MD; Palo Alto, CA; Durham, NC; Findlay, OH.

D280 † Perceived Legitimacy of Using Social Support for Transplant Eligibility: Results from a National Survey of Transplant Clinicians
Keren Ladin, Elisa Gordon, Zeeshan Butt, Tara Lavelle, Norman Daniels, Douglas Hanto. Medford, MA; Chicago; Boston; Nashville.

D281 Screening and Referral of High Risk Liver Transplant Recipients to a Transitional Care Coordination (TCC) Program to Reduce Hospital Readmissions
Anahita Masoumi, Jill Krzyzewski, Tina Stern, Nicholas Schluterman, David A. Bruno, Jonathan Bromberg, Rolf Barth, Steven Hanish. Baltimore, MD.

D282 The Incremental of Cost of Incompatible Living Donor Kidney Transplant: A National Cohort Analysis
David A. Axelrod, Krista Lentine, Mark Schnitzler, Huiling Xiao, Xun Lou, Babak Orandi, Jacqueline Garonzik Wang, Allan Massie, Dorry Segev. Greenville, NC; St. Louis, MO; Baltimore, MD.

D283 A Markov Model for Transplant & Renal Outcomes After Liver & Simultaneous Liver-Kidney Transplants
Xingxing S. Cheng, W. Ray Kim, Jane C. Tan, Jeremy Goldhaber-Fiebert. Palo Alto.

- D284 State Law Restrictions on HIV Positive-to-Positive Transplantation**
Sarah Rasmussen, Alexandra Glazier, Ayla Cash, Macey Henderson, Brian Boyarsky, Kimberly Miller, Scott Schoettes, Dorry Segev, Christine Durand. Baltimore; Waltham; Arlington; Chicago.
- D285 Transplant Center Knowledge and Planned Practice of HIV Positive-to-Positive Transplants**
Sarah Rasmussen, Mary Grace Bowring, Ashton Shaffer, Christine Durand, Dorry Segev. Baltimore.
- D286 Use of Hepatitis C Infected Organs for Kidney Transplantation: A Cost-Effective Analysis**
Bryce Kiberd, Karen Doucette, Karthik K. Tennankore. Halifax, NS, Canada; Edmonton, AB, Canada.
- D287 Transplantation of Hepatitis C Kidneys to Hepatitis C Recipients Confers Significantly Shorter Waiting Times in the Era of the New Kidney Allocation System**
Beatrice Concepcion, Anthony Langone, Beatrice Edmundson, JoAnn Johnson, Amit Rajput, Tommy Johnson, Diane Rybacki, Douglas Hale, Rachel Forbes. Nashville, TN.
- D288 Potential Living Kidney Donors (LKD) Concerns About Opting Out and Preferences for an 'Alibi'**
K. Yu, C. Thiessen, S. Li, D. Dobosz, J. Gannon, K. Kennedy, D. Gray, A. Mussell, P. Reese, S. Kulkarni, E. Gordon. New Haven; Chicago; Philadelphia.
- D289 Kidney Waitlist Management: The Readiness Model of Predicting Transplants Under the Kidney Allocation System**
Nahel Elias, Brendan J. Kimball, Linda M. Walsh, David M. Wojciechowski, James F. Markmann, Eliot Heher. Boston, MA.
- D290 Hurdles to Broader Implementation of the A₂/A₂B₂ Deceased Donor Kidney Allocation Provision**
Irene Kim, Amber R. Wilk, Amanda Robinson, Paulo Martins, Vaughn Whitaker, Emily Ward, Clifford Miles. Los Angeles, CA; Richmond, VA; Worcester, MA; Syracuse, NY; Omaha, NE.
- D291 Race, Admissions and Renal Transplant Waitlisting**
Raymond Lynch, Rebecca Zhang, Rachel Patzer, Christian Larsen, Andrew Adams. Atlanta, GA.
- D292 The Impact of the New Kidney Allocation System on Living Donor Kidney Transplantation(LDTX) Among Patients in the Lowest Quintile of Expected Post-Transplant Survival (EPTS)**
Caren Rose, Jagbir Gill, Julie Lesage, Yayuk Joffres, John Gill. Vancouver, Canada.
- D293 The New Kidney Allocation System: The Effect on Elderly Transplantation in the US. Review of UNOS Database**
Vaughn E. Whittaker, Mark Laftavi, Zeki Acun, Rainer W. Gruessner, Angelika Gruessner. Syracuse, NY.
- D294 18 Month Analysis of the Impact of the New Kidney Allocation System on Deceased Donor Kidney Utilization at the Donor Service Area Level**
Winston Ally, Kenneth Brayman, Avinash Agarwal. Charlottesville, VA.
- D295 † A Brief Frailty Assessment and Outcomes Among Candidates for Liver Transplantation**
Marina Serper, Kristen Dwinells, Therese Bittermann, Kim Olthoff. Philadelphia, PA.
- D296 Use of Modified Geriatric Assessment in Evaluation of Older Adults for Kidney Transplant Suitability**
Kellie H. Campbell, Frances Enger, Erin Patrick, Milda Saunders, Michelle Josephson, Yolanda Becker. Chicago, IL.
- D297 Pre-Kidney Transplant Lower Extremity Impairment and Post-Transplant Mortality**
Anthony J. Nastasi, Mara McAdams-DeMarco, Jennifer A. Schrack, Hao Ying, Christine E. Haugen, Marlís González Fernández, Dorry L. Segev. Baltimore, MD.

- D298 Multi-Stakeholder Perspectives on the Importance of Outcomes for Trials in Kidney Transplantation: An International Best Worst Scaling Survey**
Martin Howell, Nicole Evangelidis, Benedicte Sautenet, Germaine Wong, Jonathan C. Craig, Kirsten Howard, Allison Tong. Sydney, Australia; Sydney, NSW, Australia.
- D299 The Forgotten Element of KAS: A2 to B Transplantation Reduces Waiting Time for Blood Group B Patients by 20%**
Alexander Gilbert, Shannon Radomski, Albert Langeberg, Bridgette Diedrich, Sandra Rosen-Bronson, Dong Li, Mariam Awwad, Monica Grafals, Jack Moore, Jennifer Verbese, Peter Abrams, Seyed Ghasemian, Matthew Cooper. Washington, DC.
- D300 † Willingness of Canadian ESRD Patients to Consider Transplant Tourism**
Jagbir Gill, Gurleen Gill, Yayuk Joffres, Caren Rose, John Gill, Lara Russell, Adeera Levin, Chris Richardson. Vancouver, Canada.
- D301 Global Kidney Exchange**
Michael Rees, Ty Dunn, Susan Rees, Jeffrey Rogers, Alvin Roth, Christian Kuhr, Obi Ekwenna, Kim Krawiec, Samay Jain, Christopher Marsh, Puneet Sindhvani, Michael Zimmerman, Rachel Forbes, Miguel Tan, Itai Ashlagi, Ricardo Correa-Rotter, Siegfredo Paloyo. Toledo, OH; Minneapolis, MN; Perrysburg, OH; Winston Salem, NC; Palo Alto, CA; Seattle, WA; Durham, NC; La Jolla, CA; Milwaukee, WI; Nashville, TN; Atlanta, GA; Mexico City, Mexico; Manila, Philippines.
- D302 Use of Forensic DNA Testing to Trace Unethical Organ Procurement and Organ Trafficking Practices**
Mai He, Ann Corson, Zhiyuan Wang, Jessica Russo, Torsten Trey. St Louis, MO; Washington DC; New York, NY.
- D303 Cost-Effectiveness of Renal Machine Perfusion Use After Long Cold Ischemia Time**
Ana C. C. Matos, Daniel T. Malheiro, Silvia R. Morgado, Lucio Requião-Moura, Marcelino Souza-Durão, Eduardo J. Tonato, Mario Nogueira, Milton Borrelli, Alvaro Pacheco-Silva. São Paulo, Brazil.
- D304 Impact of Dialysis During the Transplant Admission on Transplant and Post-Transplant Cost of Care**
Jiang Tao, Cecelia M. Horstman, Wade Bannister, Mark A. Schnitzler, Frank D. Irwin, Anthony F. Bonagura, Bart Laihinien. Eden Prairie, MN; St Louis, MO.
- D305 It's Never too Early to Test: Frequent Anti-A₂ Titer Monitoring in Blood Group B Patients is Necessary**
Shannon Radomski, Sandra Rosen-Bronson, Bridgette Diedrich, Albert Langeberg, Dong Li, Mariam Awwad, Monica Grafals, Matthew Cooper, Alexander Gilbert. Washington, DC.
- D306 Manning the Gap: Using Technology to Reduce Barriers in Access to Renal Transplantation Waiting List Across Dialysis Facilities**
Gustavo F. Ferreira, Kamille V. Bastos, Elaine Barbata, Beatriz S. Pereira, Glaucio S. Souza, Marcio de Souza, Vinicius S. Colares. Juiz de Fora, Minas Gerais, Brazil.
- D307 Landscape of Multiple Donations from a Living Donor in the US**
Alvin Thomas, Allan Massie, Jacqueline Garonzik-Wang, Krista Lentine, Macey Henderson, Dorry Segev. Baltimore; St. Louis.
- D308 Barriers and Experiences When Patients Decide on a Kidney Transplant Center**
Cory R. Schaffhausen, Marylyn J. Bruin, Jon J. Synder, Bertram L. Kasiske, Ajay K. Israni. Minneapolis, MN.
- D309 A Novel KPD Mechanism to Increase Transplants When Some Candidates Have Multiple Willing Donors**
Tuomas Sandholm, Gabriele Farina, John Dickerson, Ruthanne Leishman, Darren Stewart, Richard Formica, Carrie Thiessen, Sanjay Kulkarni. Pittsburgh; College Park; Richmond; New Haven.

D310

**Prioritization for Kidney Transplant
Due to Medical Urgency: Clinical
Characteristics and Outcomes After
Transplantation**

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