

## ATC 2023 Keyword List

Adenoviruses  
Adhesion molecules  
Adverse effects  
African-American  
Age factors  
Alcohol  
Alloantibodies  
Alloantigens  
Allocation  
Allorecognition  
Anastomatic healing  
Anergy  
Angiography  
Antibodies  
Anticoagulation  
Antigenemia  
Antigen presentation  
Antilymphocyte antibodies  
Apoptosis  
Area-under-curve (AUC)  
Arteriosclerosis  
Arteritis  
Artificial heart  
Autoimmunity  
Azathioprine  
Bacterial infection  
B cells  
Bile duct  
Biliary atresia  
Bioartificial livers  
Bioengineering  
Bioequivalence  
Biopsy  
Blood transfusion  
Bone  
Bone marrow  
Bone marrow transplantation  
Brain death  
Bronchial circulation  
Cadaveric organs  
Calcineurin  
CD3  
CD4  
CD20  
Co-stimulation  
COVID-19  
Cytomeglovirus  
Donation Donors, marginal  
Donors, non-heart-beating  
Donors, unrelated Donor  
specific transfusion  
Dosage  
Drug interaction  
Dyslipidemia Echocardiography  
Economics  
Edema  
Effector mechanisms  
Efficacy  
Elderly patients  
Employment  
Endomyocardial biopsy  
Endothelial activation  
Endothelial cells  
Endothelin Engraftment  
Enteral nutrition  
Eosinophils  
Epithelial cells  
Epitopes  
Epstein-Barr virus (EBV) Ethics  
FACS analysis  
Fas (CD95)  
Fas ligand  
Fibrosis  
FK506  
Flowcytometry crossmatching  
FTY720 immunosuppressant

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Fungal infection  
Ganciclovir  
Gene expression  
Gene polymorphism  
Gene therapy  
Genomic markers  
Genomics  
Glomerular filtration rate (GFR)  
Glomerulonephritis  
Glucocorticoids  
Glutathione  
Graft acceptance  
Graft arteriosclerosis  
Graft failure  
Graft function  
Graft-infiltrating lymphocytes  
Graft survival  
Graft-versus-host-disease  
Growth disorders  
Growth factors  
Half-life  
HB vaccine  
Heart  
Heart/lung transplantation  
Heart assist devices  
Heart failure  
Heart preservation  
Heart transplant patients  
Heat shock proteins  
Hemeoxygenase  
Hemodynamics  
Hemolytic-uremic syndrome  
Hepatic artery  
Hepatitis  
Hepatitis B  
Hepatitis C  
Hepatocellular carcinoma  
Hepatocytes  
Hepatopulmonary syndrome  
Highly-sensitized  
High-risk  
Hispanic  
Histocompatibility  
Histocompatibility antigens  
Histology  
HIV virus  
HLA antibodies  
HLA antigens  
HLA-DR allopeptides  
HLA-DR antigens  
HLA matching  
HMG-CoA reductase inhibitor  
Homocysteine  
Host cells  
Humanized antibodies  
Hyperacute rejection  
Hypercalcemia  
Hypercholesterolemia  
Hyperglycemia  
Hyperlipidemia  
Hyperparathyroidism  
Hypersensitivity  
Hypertension  
Hypogammaglobulinemia  
Hyporeactivity  
Idiopathic pulmonary fibrosis  
Idiotype  
IgG  
Image analysis  
Immune deviation  
Immunoabsorption  
Immunodominant peptide  
Immunogenicity  
Immunoglobulins (Ig)  
Immunosuppression  
IMPDH Inhibitor  
Impotence  
Indirect pathway  
Induction therapy  
Infant  
Infection  
Inflammation  
Informed consent  
Insulin  
Insulinemia  
Integrins  
Interferon (IFN)  
Interleukin-2 receptor  
Intestinal transplantation  
Intimal

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Intra-abdominal infection  
Intracranial aneurysms  
Ischemia  
Islets  
Isoantibodies  
IVIg  
Jak/STAT  
Ketoconazole  
Kidney  
Kidney/liver transplantation  
Kidney/pancreas transplantation  
Kidney transplantation  
Kinases  
Knockout  
Lamivudine  
Laparoscopy  
Laser Doppler flowmetry  
Length of stay  
Leukocytes  
Leukoencephalopathy  
LFA-1 antigen  
Lipids  
Lipolysis  
Lipoproteins  
Liver  
Liver cirrhosis  
Liver failure  
Liver grafts  
Liver metabolism  
Liver preservation  
Liver transplantation  
Living-related liver donors  
Lung  
Lung infection  
Lung preservation  
Lung transplantation  
Lymph node  
Lymphocyte activation  
Lymphocytes  
Lymphoproliferative disease  
Machine preservation  
Magnetic resonance imaging  
Major histocompatibility complex (MHC)  
Malignancy  
Malononitrilamides  
Mechanical assistance  
Medicare  
Meningitis  
Meta-analysis  
Metabolic complications  
Metabolic disease  
Metalloproteinases  
Methodology  
MHC class I  
MHC class II  
Mice  
Mice, knockout  
Mice, lpr  
Mice, NOD  
Mice, SCID  
Microchimerism  
Microcirculation  
Miniature pigs  
Minor histocompatibility antigens  
Mixed chimerism  
Monitoring  
Monoclonal antibodies  
Mononuclear leukocytes  
Morbidity  
Mortality  
Multicenter studies  
Multivariate analysis  
Multivisceral transplantation  
Mycophenolate mofetil  
Na/H exchanger  
NADPH oxidase  
Natural antibodies  
Natural killer cells  
Necrosis  
Negative selection  
Neoral  
Nephrectomy  
Nephritis  
Nephron mass  
Nephropathy  
Nephrotic syndrome  
Nephrotoxicity  
Nerve allografts  
Neurogenic bladder  
Neurotoxicity

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Neutropenia  
Neutrophils  
Nitric oxide  
NMR spectroscopy  
Non-invasive diagnosis  
Nuclear factor-kappa B (NF-kB)  
Obesity  
Obiliterative bronchiolitis  
Osteoporosis  
Outcome  
Outpatients  
Oxidant stress  
Pain  
Pancreas  
Pancreas transplantation  
Pancreatitis  
Panel reactive antibodies  
Patient education  
Pediatric  
Peptides  
Perforin  
Perfusion solutions  
Peripheral vascular disease  
P-glycoprotein  
Pharmacoeconomics  
Pharmacokinetics  
Phosphodiesterase inhibitors  
Pig  
Plasmapheresis  
Pneumonia  
Polyclonal  
Polycystic kidney disease  
Polymerase chain reaction (PCR)  
Polymorphism  
Polyma virus  
Portal veins  
Post-operative complications  
Post-transplant diabetes  
Post-transplant erythrocytosis  
Post-transplant hypertension  
Post-transplant lymphoproliferative disorder (PTLD)  
Post-transplant malignancy  
Preclinical trails  
Precursor frequency  
Prediction models  
Pregnancy  
Preservation  
Preservation solutions  
Primary sclerosing cholangitis  
Primates  
Procurement  
Prodrugs  
Prognosis  
Proliferation  
Prophylaxis  
Protective genes  
Proteinuria  
Protocol biopsy  
Psychiatric comorbidity  
Psychosocial  
Public policy  
Pulmonary hypertension  
Pulsatile preservation  
Pyrimidine biosynthesis  
Quality of life Radiologic assessment  
Rapamycin  
Rat  
Rats, BB  
Reactive oxygen species  
Recurrence  
Reinfection  
Rejection  
Renal artery stenosis  
Renal dysfunction  
Renal failure  
Renal function  
Renal injury  
Renal ischemia  
Renal thrombosis  
Resource utilization  
Restenosis  
Retransplantation  
Reverse transcriptase PCR  
Risk factors  
Safety  
Screening  
Sensitization  
Short gut syndrome  
Simulect

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Sirolimus (SLR)  
Skin transplantation  
Smooth muscle  
Spina bifida  
Split-liver transplantation  
Spontaneous arrest  
Stem cells  
Surfactants  
Surgical complications  
Survival  
Synergism  
T cell activation  
T cell clones  
T cell graft infiltration  
T cell reactivity  
T cell receptors (TcR)  
T cells  
T helper cells  
Thrombocytopenia  
Thymic tolerance  
Thymocytes  
Thymus  
Thymus transplantation  
Tissue-specific  
Tolerance  
Toxicity  
Trachea  
Transcription factors  
Transforming growth factor-beta (TGF- $\beta$ )  
Triglycerides  
Tumor necrosis factor (TNF)  
Tumor recurrence  
Ultrasonography  
Urinalysis  
Vaccination  
Valve replacement  
Vascular disease  
Ventricular assist devices  
Viral therapy  
Waiting lists  
Warm ischemia  
Weight  
Xenoreactive antibodies