

THE SCIENCE OF
TOMORROW
STARTS **TODAY**



ATC2021

*Virtual*CONNECT

atcmeeting.org

JUNE 4-9, 2021

Registration Brochure & Scientific Program

**DISCOUNTED REGISTRATION DEADLINE
MAY 5, 2021**

#ATC2021VirtualConnect

ATC2021

*Virtual*CONNECT

Live

Broadcast Dates: June 4 – 9, 2021

ALL-NEW ENHANCED EXPERIENCE!

We are excited to announce ATC 2021 *Virtual Connect*, an **all-new**, completely **enhanced** virtual meeting experience. Gain immediate access to innovators in the field and have your voice heard through various types of interaction



Real-Time Interactivity

The 2021 program will provide ample opportunities for real-time interactivity through:

- Live Video Discussions
- Invigorating Q&A Discussions Post-Presentation
- Live Presentations by Abstract Presenters
- Engaging, Unconventional Networking Breaks
- Live Symposia Presentations



Over 200 Education Credit and Contact Hours

ATC provides CME, ANCC, ACPE, and ABTC credits/contact hours. Yearlong access allows you to take advantage of the over 200 credits/contact hours available. This is the most credits/contact hours ATC has ever been able to provide!

Continue to check the ATC website for final credit/contact hour details, www.atcmeeting.org.



Mobile Responsive Access

You'll be able to access *Virtual Connect* on-the-go, earn your education credit or contact hours, hear the latest innovations, and build your professional network – all from the comfort and safety of your home or office.



In-Depth Symposia Included in Virtual Connect

Included with ATC 2021 *Virtual Connect* are 9 In-Depth Symposia. These symposia will be live broadcasted on Friday, June 4, 2021, and then available in the OnDemand format until **June 3, 2022**.



Yearlong Access to OnDemand Content

By registering to attend ATC 2021 *Virtual Connect*, you also will gain yearlong access to all Live Broadcast sessions available in an OnDemand format. The access includes all Plenary Sessions, Rapid Fire Oral Abstracts, and Poster Presentations. The OnDemand Access is available until June 3, 2022.



Time Zone Schedule of Program – Eastern Time Zone

The program schedule is built in Eastern Time Zone. The Virtual Connect platform will provide options to display the program times in the time zone you reside in or display in Eastern Time Zone.

ABOUT ATC

The American Transplant Congress (ATC) is the joint annual Congress of the American Society of Transplant Surgeons (ASTS) and the American Society of Transplantation (AST). ATC provides a forum for exchange of new scientific and clinical information relevant to solid organ and tissue transplantation and brings together transplant physicians, scientists, nurses, organ procurement personnel, pharmacists, allied health professionals, and other transplant professionals. The educational offerings provide attendees the opportunity to learn cutting-edge advances in research and promotes the exchange of ideas and practice in the field of solid organ and tissue transplantation. ATC is an annual Congress that welcomes over 5,000 transplant professionals to present cutting-edge science that covers all organ types and offers insight into the future of the field and patient care.

About ASTS

The American Society of Transplant Surgeons represents approximately 1,800 professionals dedicated to excellence in transplantation surgery. ASTS advances the art and science of transplant surgery through patient care, research, education, and advocacy. To learn more, visit [ASTS.org](https://www.astsonline.org) or email us at asts@asts.org.

About AST

Founded in 1982, the American Society of Transplantation (www.myAST.org) is dedicated to advancing the field of transplantation and improving patient care by promoting research, education, advocacy, organ donation, and service to the community. The society, with over 4,000 members, is the largest organization of transplant professionals in North America. Other transplant organizations, policy makers, regulatory agencies, payors, academic institutions, and the general public look to the AST for guidance, research, and resources related to transplantation.

CONTACT ATC

Congress Headquarters

American Transplant Congress

1120 Route 73, Suite 200

Mt. Laurel, NJ 08054

Telephone: 856-439-0500

Fax: 856-439-0525

E-mail: atc@atcmeeting.org

Website: atcmeeting.org

Congress Team

Shannon Fagan, CMP, HMCC

Director of Meetings and Exhibits

Direct Line: 856-642-4428

sfagan@atcmeeting.org

Melanie Ryan

Meetings, Exhibit and Sponsorship

Relationship Manager

Direct Line: 856-380-6895

mryan@atcmeeting.org

Natascha Williams

Registration Manager &

Program Coordinator

Direct Line: 856-380-6852

nwilliams@atcmeeting.org

Christina Bertino

Senior Marketing and

Communications Manager

Direct Line: 856-380-6848

cbertino@atcmeeting.org

2021 PROGRAM PLANNING COMMITTEE

Executive Program Planning Committee

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Linda Cendales, MD
Duke University Medical Center
 Durham, NC

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University of Wisconsin, Madison
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 Minneapolis, MN

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University of Chicago Medicine
 Chicago, IL

Vikas Dharnidharka, MD, MPH
Washington University St. Louis
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Christina Doligalski, PharmD
University of North Carolina
 Chapel Hill, NC

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LiveOnNY
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University of Pennsylvania
 Philadelphia, PA

Roberto Hernandez, MD
University of Rochester, NY
 Rochester, NY

Daniela Ladner MD, MPH
Northwestern University
 Chicago, IL

Didier Mandelbrot, MD
UW Health
 Madison, WI

Christopher Marsh, MD
Scripps Clinic Medical Group
 La Jolla, CA

Diane McKay, MD
Scripps Hospital
 La Jolla, CA

Robert Montgomery, MD, PhD
NYU Langone Transplant Institute
 New York, NY

Jordan Pober, MD, PhD
Yale University School of Medicine
 New Haven, CT

Raymond Razonable, MD
Mayo Clinic College of Medicine & Science
 Rochester, MN

Elaine Reed, PhD
University of California, Los Angeles
 Los Angeles, CA

Benjamin Samstein, MD
Weill Cornell Medical Center
 New York, NY

Thomas Schiano, MD
Mount Sinai Medical Center
 New York, NY

Laurie Snyder, MD, MHS
Duke University
 Durham, NC

Parisa Vagefi, MD
University of Texas Southwestern
 Dallas, TX

Statement of Need

The field of solid organ and tissue transplantation is continuously changing and developing. With the rapid advances in transplantation research and medicine, transplant professionals require ongoing educational opportunities to stay current, and to maintain and improve their knowledge, competence, and performance. Thus, this educational forum will generate activities and interventions that are designed to change and update the learners' competence, performance, and patient outcomes in the field of solid organ and tissue transplantation. The educational content of this meeting was developed by experts in scientific and clinical transplantation and was determined by rigorous assessment of learners' feedback from prior meetings, expert faculty assessment, literature review, medical practice, and new medical technology.

Purpose of Activity

ATC educational offerings will provide transplant professionals a learning environment designed to address their professional practice gaps through a variety of learning formats that will encourage the exchange of new scientific concepts, emerging technologies, and medical advances. Learners will engage in interactive discussions, case presentations, workshops, and other activities designed to improve competence and professional and patient outcomes.

ASTS COUNCIL 2020 – 2021



AST BOARD 2020 – 2021

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ASTS National Office

1401 S. Clark Street, Suite 1120
 Arlington, VA 22202
 Telephone: 703-414-7870
 Fax: 703-414-7874
 Email: asts@asts.org
 Website: www.asts.org

ASTS

AST National Office

1120 Route 73, Suite 200
 Mt. Laurel, NJ 08054
 Telephone: 856-439-9986
 Fax: 856-581-9604
 Email: info@myAST.org
 Website: www.myAST.org

AST

The American Transplant Congress is designed for

physicians,
surgeons,
scientists,
nurses,
organ procurement personnel,
pharmacists and
other transplant professionals

who are interested in the clinical and research aspects of solid organ and tissue transplantation. The meeting will provide the most current information in the field of transplant science.



Overview

OF THE AMERICAN TRANSPLANT CONGRESS

The American Transplant Congress is the Joint Annual Meeting of the American Society of Transplant Surgeons (ASTS) and the American Society of Transplantation (AST). The ATC provides a forum for exchange of new scientific and clinical information relevant to solid organ and tissue transplantation and brings together transplant physicians, scientists, nurses, organ procurement personnel, pharmacists, allied health professionals, and other transplant professionals. The educational offerings provide attendees the opportunity to learn cutting-edge advances in research and exchange ideas and practices in the field of solid organ and tissue transplantation.

- To provide a forum for exchange of new scientific and clinical information relevant to solid organ and tissue transplantation.
- To create an arena for the interchange of ideas regarding care and management of organ and tissue transplant recipients.
- To facilitate discussions of socioeconomic, ethical, and regulatory issues related to solid organ and tissue transplantation.

Scientific material will be presented through symposia, oral abstracts, concurrent sessions, and poster presentations as well as small group workshops designed for in-depth exploration of both clinical and basic science topics.

A variety of formats are planned that will encourage the exchange of new scientific and clinical information and support an interchange of opinions regarding care and management issues, as well as socioeconomic, ethical, and regulatory issues relevant to organ and tissue transplantation.

Statement of Need

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Accreditation

ATC provides CME, ANCC, ACPE, and ABTC credits/contact hours. Yearlong access allows you to take advantage of over 200 credits/contact hours available. This is the most of amount of credits/contact hours ATC has ever been able to provide!

Continue to check the ATC website for final credit/contact hour details, www.atcmeeting.org.

CME

This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical

Education (ACCME) through the joint providership of the American Society of Transplant Surgeons (ASTS) and the American Society of Transplantation (AST). The American Society of Transplant Surgeons is accredited by the ACCME to provide continuing medical education for physicians.

The American Society of Transplant Surgeons designates this live activity for a maximum of 203.75 *AMA PRA Category 1 Credit(s)*™. Final credit hours are subject to change and will be provided onsite. Physicians should claim only the credit commensurate with the extent of participation in the activity.



ANCC, ACPE, CEPTC

In support of improving patient care, this activity has been planned and implemented by Amedco LLC and the American

Transplant Congress. Amedco LLC is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team.

Nurses (ANCC)

Credit Designation Statement – Amedco LLC designates this activity for a maximum of 206.75 ANCC contact hours.

Pharmacists and Pharmacy Technicians (ACPE)

Amedco LLC designates this activity for a maximum of 206.75 knowledge-based CPE contact hours.

NOTE to Pharmacists: The only official Statement of Credit is the one you pull from CPE Monitor. You must request your certificate within 30 days of your participation in the activity to meet the deadline for submission to CPE Monitor.

Transplant Coordinators

This activity has been submitted to the American Board for Transplant Certification (ABTC) for Category 1 Continuing Education Points for Transplant Coordinators (CEPTCs). Please check back for more information.

Program Types

ATC is designed with a variety of program layouts and formats to engage all types of learners. Take advantage of the multi-disciplinary nature of the ATC by reviewing the Program Descriptions below.

IN-DEPTH SYMPOSIA

Friday, June 4 • 3:00 – 5:30 PM ET

Pre-recorded presentations with Live Video Question and Answer at the end of each session.

In-Depth Symposia are 2 and ½ hour sessions designed around a specific topic of interest. These sessions provide in-depth state-of-the-art information focused both on clinical and research areas from various perspectives, allowing attendees to make connections and incorporate the knowledge acquired into their everyday practice.

Attendee Profile:

- Early Career
- Experienced Wanting to Learn More
- Mentor/Expert Wanting to Share Comments

IMPACT SESSIONS

**Saturday, June 5 – Wednesday, June 9
9:00 – 10:00 AM ET**

**Saturday, June 5 – Tuesday, June 8
3:00 – 4:00 PM ET**

Pre-recorded presentations with Live Video Question and Answer at the end of each session.

Learn from Industry Innovators on how the transplant industry is transforming your daily work lives for

tomorrow's advancements. Attendees can expect to leave these sessions armed with cutting-edge information that will pave the way to the future of the industry.

Attendee Profile:

- Early Career
- Experienced Wanting to Learn More
- Mentor/Expert Wanting to Share Comments
- Interactive Debaters

EXPERT VIP MEET-UP

**Saturday, June 5 • 8:45 – 9:30 PM ET
Tuesday, June 8 • 8:45 – 9:30 PM ET**

Live Video Discussion, Question and Answer sessions.

Gain exclusive access to Mentor Experts in the field. These sessions are designed in an intimate discussion setting — NO formal slide presentations. The purposeful layout is designed to allow interaction and discussion, while creating new connections.

Session attendance is limited to 50 attendees.

Attendee Profile:

- Early Career
- Mentor/Expert Wanting to Share Comments

Program Types (CONTINUED)

CONTROVERSIES IN TRANSPLANTATION

Wednesday, June 9 • 10:30 – 11:30 AM ET

Pre-recorded presentations with Live Video Question and Answer at the end of each session.

Come experience top level experts debate controversial topics in both Basic and Clinical science.

Attendee Profile:

- Early Career
- Experienced Wanting to Learn More
- Mentor/Expert Wanting to Share Comments
- Interactive Debaters

FOCUS IN TRANSPLANTATION

Saturday, June 5 • 4:30 – 7:00 PM ET

Sunday, June 6 • 4:30 – 7:00 PM ET

Pre-recorded presentations with Live Video Question and Answer at the end of each session.

Deep dive into focused presentations on Basic and Translational science. Individual sessions on “Basic: New Roles of Secondary Immune Organs in Rejection” and “Translational: Solving the Donor Shortage with Science” will be presented.

Attendee Profile:

- Early Career
- Experienced Wanting to Learn More
- Mentor/Expert Wanting to Share Comments

ABSTRACT PRESENTATIONS

Plenary Abstract Sessions

**Saturday, June 5 – Tuesday, June 8
10:30 – 11:30 AM ET**

Pre-recorded 10-minute abstract presentations with Live Video Question and Answer at the end of each session.

Top-rated abstracts submitted through the ATC abstract submission process are presented orally with time for questions from the audience at the end of the session.

ATC's People's Choice Award

Tuesday, June 8 • 11:30 – 11:45 AM ET

At the end of final Plenary session, attendees will be given the opportunity to **VOTE** on which Plenary abstract presentation is the **MOST** impactful to the transplant community.

Rapid Fire Oral Abstract Sessions

**Saturday, June 5 – Tuesday June 8
4:30 – 5:30 PM ET**

**Saturday, June 5 – Tuesday, June 8
6:00 – 7:00 PM ET**

Pre-recorded 5-minute abstract presentations with Live Video Question and Answer at the end of each session.

Abstracts submitted through the ATC abstract submission process are presented orally with time for questions from the audience at the end of the session. Sessions are designed with specific topic-driven presentations.

Video Poster Chat Sessions

**Saturday, June 5 – Tuesday, June 8
7:30 – 8:30 PM ET**

Live 5-minute poster presentations with live 5-minute question and answer after each poster presentation.

Abstracts submitted through the ATC abstract submission process are presented live by sharing their poster graphic to the audience with a short 5-minute presentation. Live 5-minute questions from the audience after each poster. Sessions are designed with specific topic-driven presentations.

Discounted Registration Deadline: May 5, 2021

Registration Type	Discounted Registration by May 5, 2021	Regular Registration after May 5, 2021
Member (ASTS, AST, or Dual)	\$375	\$450
Non-Doctoral Member (ASTS or AST)	\$175	\$225
Trainee Member (ASTS or AST)	\$0	\$0
Trainee Non-Member*	\$125	\$125
Non-Member	\$575	\$650
Non-Doctoral Non-Member	\$325	\$400
Senior/Emeritus Member	\$0	\$0

*Trainee non-members must provide proof of eligibility.

Registration Category Types

Member

To register as a member, you must be a current doctoral member of **AST, ASTS or both societies**. This membership category includes MD, PhD, PharmD, DO or equivalent doctoral degrees only. Non-doctoral degree holders should register under the Non-Doctoral Member category.

Non-Doctoral Member

Members of AST or ASTS who hold non-doctoral degrees are eligible to register under this category. This category includes the following occupation types:

- Research Assistant
- Transplant Administrator
- Nurse
- Lab Technician
- Physician's Assistant
- Pharmacy Technician
- Transplant Coordinator
- Other Allied Health or Pharmacy Occupations

Trainee Member

You must be a current trainee member of either AST or ASTS to register as a trainee member.

Non-Member

If you are a doctoral degree holder (MD, PhD, PharmD, DO or equivalent) with no membership affiliation to AST or ASTS, you should register as a non-member.

Non-Doctoral Non-Member

Those who fall under one of the occupation types above (under non-doctoral member) but have no membership affiliation with AST or ASTS should register as a non-doctoral non-member.

Trainee Non-Member

If you are not a member of AST or ASTS, but you are a student/resident studying under a program director, you should register as a trainee non-member. To register under this category, you must provide proof of your status as a medical student/resident. A signed letter from your program director must be sent no later than May 18, 2021. When you complete your registration, you will need to email your letter to atc@atcmeeting.org. Your registration will not be complete until this letter is received and uploaded online. If you fail to provide the letter by this date, you will not be provided access to *Virtual Connect*.

No exceptions will be made.

If you are still unsure what category you should register under, please contact us before registering to avoid choosing the incorrect category and paying the change fee.

Process & Payment

The ATC offers discounted registration fees if you register by **May 5, 2021**. Registration must be completed online along with full payment by this date to qualify for the discounted registration fee. Early registration is strongly recommended.

Online Registration

Registration must be completed online, www.atcmeeting.org.

Payment

Registration must be paid using a valid credit card online. Wire transfers are not accepted for individual registrations or groups. Full payment must accompany all registrations and registration will not be final until payment is received.

Payment will be reflected as 'American Transplant Congress'.

Credit Cards Accepted: Visa, American Express, MasterCard

Registration Fees for ASTS/AST Members

The ATC offers reduced registration fees to ASTS or AST members. Membership dues for 2021 must be paid by **May 28, 2021** to qualify for **MEMBER** registration fees. **NEW** member applications are subject to additional processing time following payment.

Questions regarding your ASTS or AST membership?

AST Membership: Julie Atkinson at jatkinson@myast.org or 856-380-6819

ASTS Membership: Membership team at membership@asts.org or 703-414-7870

*New/Renewing membership in ASTS or AST may take 5–10 business days to be active in the ATC registration system. We appreciate your patience.

Policies

Cancellations/Refunds

Requests for cancellation/refunds must be submitted via email to the **ATC Registration Manager**, at nwilliams@atcmeeting.org by **May 20, 2021** to be eligible for reimbursement. Refund requests after May 20, 2021 will not be honored.

There will be a \$75.00 processing fee for all refunds. Refunds will not be processed until after the meeting.

Name Changes

All name changes must be received via email to the **ATC Registration Manager**, at nwilliams@atcmeeting.org by **May 20, 2021**. If you would like to make a name change after this date, there will be a \$25.00 charge per name change.

Incorrect Registration Category

If you register under the incorrect registration category, there will be a \$75 processing fee to alter your registration. Please make sure you have carefully reviewed the registration types before you register.

Requests to change a registration category must be submitted via email to the **ATC Registration Manager**, at nwilliams@atcmeeting.org by **May 20, 2021**. We are not able to change your registration type after this date.

Virtual Code of Conduct

All attendees, speakers, moderators, press, and companies participating in the ATC Virtual Connect are permitted to view other speaker's and company's information and presentations with the understanding to respect each other's academic research. Inappropriate and/or derogatory comments and interactions will not be tolerated.

It will be the discretion of ATC to remove any 2021 Virtual Connect participant's and/or company sponsor information from the Virtual Connect Portal and not permit company to participate in ATC 2022 should this practice not be followed.

Friday, June 4, 2021

Welcome

2:45 PM - 3:00 PM

In-Depth Symposia

3:00 PM - 5:30 PM

Program Topic: Prof Develop

Mastering the Transplant Essentials

3:00 PM - 5:30 PM

Moderators:

Georgeine Smith, MS, PA-C, MHS, Hospital of the University of Pennsylvania, Lead Surgical Physician Assistant, Philadelphia, PA, USA

Jennifer Sharp, MS, University of Michigan, Acute Care Nurse Practitioner, Transplant Surgery, Ann Arbor, MI, USA

3:00 PM - 3:10 PM

Basic Immunology Overview

Leonardo Riella, MD, PhD, Massachusetts General Hospital, Medical Director of Kidney Transplantation, Boston, MA, USA

3:10 PM - 3:20 PM

Pharmacology Basics for Transplantation

Christin Rogers Marks, PharmD BCPS FAST FCCP, Massachusetts General Hospital Transplant Center, Norton, MA, USA

3:20 PM - 3:30 PM

Anxiety, Depression, and Non-compliance in Transplant

Mary Amanda Dew, PhD, University of Pittsburgh School of Medicine and Medical Center, Professor of Psychiatry, Psychology, Epidemiology, Nursing, Biostatistics, and Clinical and Translational Science, Pittsburgh, PA, USA

3:30 PM - 3:40 PM

Transplant Drug Abuse and Caregiver

Concerns

Regina Miller, BA, BSN, MSS, LCSW, Penn Medicine-HUP, Social Work Transplant Manager, Philadelphia, PA, USA

3:40 PM - 4:00 PM

Live Video Question and Answer

4:00 PM - 4:30 PM

Break

4:30 PM - 4:40 PM

Abdominal Complications

Katherine Klingenberg, PA-C, University of Colorado, Director of Transplant Advanced Practice, Evergreen, CO, USA

4:40 PM - 4:50 PM

Early Infections in Transplant Patients - Case Studies

Mark Burns, DNP, FNP, Mayo Clinic, NP, Gilbert, AZ, USA

4:50 PM - 5:30 PM

Live Video Question and Answer

Program Topic: Other

Racism in Transplantation: Current State and Future Directions

3:00 PM - 5:30 PM

Moderators:

Marie Chisholm-Burns, PharmD, MPH, MBA, University of Tennessee Health Science Center College of Pharmacy, Dean and UTHSC Distinguished Professor, Memphis, TN, USA

Andre Dick, MD, MPH, University of Washington School of Medicine Seattle, Associate Professor of Surgery, Seattle, WA, USA

Valeria Valbuena, MD, University of Michigan, Resident Physician, Ann Arbor, MI, USA

3:00 PM - 3:15 PM

Clinical Care

Juan Caicedo, MD, Northwestern University, Associate Professor of Surgery, Chicago, IL, USA

3:15 PM - 3:30 PM

Research

Tanjala Purnell, PhD, MPH, Johns Hopkins School of Medicine, Baltimore, MD, USA

3:30 PM - 3:45 PM

Education and Workforce

Benjamin Samstein, MD, Weill Cornell Medical Center, Chief of Liver Transplantation, New York, NY, USA

3:45 PM - 4:00 PM

Activism/Community Engagement

Remonia Chapman, Detroit MOTTEP, Detroit, MI, USA

4:00 PM - 5:30 PM

Live Video Question and Answer

Program Topic: Heart & Lung

Don't Throw Them in the Bucket!!! Tricks of the Trade to Optimize Every Thoracic Donor Offer

3:00 PM - 5:30 PM

Moderators:

Shelley Hall, MD, Baylor Univ Medical Center, Chief, Transplant Cardiology, MCS and Adv HF, Dallas, TX, USA

Deborah Levine, MD, University of Texas Health, Medical Director of Lung Transplant, San Antonio, TX, USA

3:00 PM - 3:15 PM

Donor Optimization: Management of the Organ Donor for Thoracic Organs

Hannah Copeland, MD, Lutheran Hospital of Indiana/ Indiana University School of Medicine Fort Wayne, Surgical director of heart transplant, MCS, Director of ECMO,

Fort Wayne, IN, USA

3:15 PM - 3:30 PM

Improving Heart Utilization: When Should we put the Heart in a Box?

Abbas Ardehali, MD, UCLA Medical Center, Professor, Los Angeles, CA, USA

3:30 PM - 3:45 PM

Ex-vivo Lung Perfusion How I do it?

Pablo Sanchez, MD, PhD, UPMC Cardiothoracic Surgery, Chief, Division of Lung Transplant, Pittsburgh, PA, USA

3:45 PM - 4:05 PM

Live Video Question and Answer

4:00 PM - 4:30 PM

Break

4:30 PM - 4:45 PM

DCD Heart Donation: Ready for Prime Time?

Steven Tsui, MD, Papworth Hospital NHS Foundation Trust, Cambridge, United Kingdom

4:45 PM - 5:00 PM

DCD Lung Donation: A Diamond in the Rough

Marcelo Cypel, MD, MSC, FACS, FRCS, University of Toronto, Associate Professor of Surgery, Toronto, ON, Canada

5:00 PM - 5:30 PM

Live Video Question and Answer

Program Topic: ID

Transplant Infectious Diseases

3:00 PM - 4:00 PM

Moderators:

Nicole Theodoropoulos, MD, MS, University of Massachusetts Medical School, Associate Professor, Worcester, MA, USA

Peter Chin-Hong, MD, University of California, San Francisco, San Francisco, CA, USA

Aruna Subramanian, MD, Stanford University Hospital, Clinical Professor of Medicine, Stanford, CA, USA

Sarah Taimur, MD, Mount Sinai Medical Center, Associate Professor of Medicine, Division of Infectious Diseases, New York, NY, USA

3:00 PM - 3:10 PM

Outbreaks: Nosocomial mold outbreaks (including *Candida auris*)

Michele Morris, MD, FIDSA, FAST, University of Miami Miller School of Medicine, Director, Immunocompromised Host Service, Professor of Clinical Medicine, Division of Infectious Diseases, Miami, FL, USA

3:10 PM - 3:20 PM

Outbreaks: NTM Outbreaks in Transplant Centers

Arthur Baker, MD, MPH, Duke University School of Medicine, Assistant Professor of Medicine, Division of Infectious Diseases, Durham, NC, USA

3:20 PM - 3:30 PM

Globalization of Transplant: Evaluation and Management of Hepatitis E after Transplantation

Nassim Kamar, MD, PhD, -Toulouse University Hospital, Professor of Medicine, Toulouse, France

3:30 PM - 3:40 PM

Globalization of Transplant: Prevention and management of TB in transplant recipients

Cybele Lara Abad, MD, University of the Philippines, Clinical Associate Professor, Manila, Philippines

3:40 PM - 4:00 PM

Live Video Question and Answer

4:00 PM - 4:30 PM

Break

4:30 PM - 4:40 PM

Optimizing the Transplant Candidate: Bacteremia and Ventricular Assist Device: Diagnosis and Management, and Optimal

Timing of Transplantation

Deeksha Jandhyala, M.D., Medical University of South Carolina, Assistant Professor of Medicine, Transplant Infectious Diseases, Charleston, SC, USA

4:40 PM - 4:50 PM

Pre-lung Transplant Patient on ECMO with Fevers: Diagnosis, Drug Dosing, and Technical Challenges Before and After Transplantation

Philip Ponce, MD, University of Texas Health San Antonio, Infections in Pre-lung Transplant Patients on ECMO, San Antonio, TX, USA

4:50 PM - 5:00 PM

What's New & Novel in TID? Rapid Diagnostics: From Culture to ID (Include NGS)
Kimberly Hanson, MD, University of Utah

5:00 PM - 5:10 PM

What's New & Novel in TID? Emerging Therapies

Ghady Haidar, MD, University of Pittsburgh Medical Center, Assistant Professor of Medicine, Pittsburgh, PA, USA

5:10 PM - 5:30 PM

Live Video Question and Answer

Program Topic: Kidney

Living Donor Selection Where to Draw the Line

3:00 PM - 5:30 PM

Moderators:

Didier Mandelbrot, MD, UW Health, Medical Director of Kidney Transplantation, Madison, WI, USA

Carrie Schinstock, Medical Doctor, Mayo Clinic, Dr., Rochester, MN, USA

3:00 PM - 3:10 PM

The Landscape of Live Donation/Overall Risk Assessment

Vineeta Kumar, MD, University of Alabama

At Birmingham, Professor of Medicine,
 Endowed Professor in Transplant
 Nephrology, Birmingham, AL, USA

3:10 PM - 3:20 PM

Surgical Issues

Lloyd Ratner, MD, MPH, Columbia
 University, Professor of Surgery; Director -
 Renal & Pancreatic Transplantation, New
 York, NY, USA

3:20 PM - 3:30 PM

Kidney Stones

David Serur, MD, HMHN, Medical Director,
 Kidney Transplantation, Hackensack, NJ,
 USA

3:30 PM - 4:00 PM

Live Video Question and Answer

4:00 PM - 4:30 PM

Break

4:30 PM - 4:40 PM

Assessment of Kidney Function

Andrew Rule, M.D., Mayo Clinic,
 Nephrologist, Rochester, MN, USA

4:40 PM - 4:50 PM

Diabetes and Obesity

Hassan Ibrahim, Houston Methodist
 Hospital, Houston, TX, USA

4:50 PM - 5:00 PM

Hypertension

Mona Doshi, MBBS, University of Michigan,
 Ann Arbor, MI, USA

5:00 PM - 5:30 PM

Live Video Question and Answer

Program Topic: Other

**Using AI and Machine Learning for Organ
 Allocation Policy Design**

3:00 PM - 5:30 PM

Moderators:

David Axelrod, MD, MBA, University of
 Iowa, Professor of Surgery, Iowa City, IA,
 USA

Peter Friend, MD, University of Oxford,
 Professor of Transplantation, Oxford, United
 Kingdom

Daniela Ladner, MD, MPH, Northwestern
 Memorial Hospital, Chicago, IL, USA

3:00 PM - 3:10 PM

**Predicting Patients at Risk for Leaving the ED
 Without Being Seen Using Machine Learning**

Nikos Trichakis, PhD, MIT, Associate
 Professor, Cambridge, MA, USA

3:20 PM - 3:30 PM

**Artificial Intelligence and Machine Learning to
 Facilitate Decision-making: Provider
 Perspective**

H  loise Cardinal, MD, PhD, CHUM, Dr,
 Montreal, QC, Canada

3:20 PM - 4:00 PM

Live Video Question and Answer

4:00 PM - 4:30 PM

Break

4:30 PM - 4:40 PM

Solving Major Problems in Organ

Transplantation with Mobile Health Software

Eric Pahl, BSE, University of Iowa, Graduate
 Research Fellow, Iowa City, IA, USA

4:40 PM - 4:50 PM

**Machine Learning and Artificial Intelligence in
 Healthcare and Personality Emulation.**

Randi Foraker, PhD, Washington University
 in St. Louis School of Medicine, Associate
 Professor, Saint Louis, MO, USA

4:50 PM - 5:00 PM

Utilizing Machine Learning Based Predictions

Sanjay Mehrotra, PhD, Northwestern
 University, Professor, Evanston, IL, USA

5:00 PM - 5:10 PM

Supporting the Future Today in Artificial Intelligence in Organ Transplantation: The UNOS Perspective

David Klassen, MD, United Network for Organ Sharing, Chief Medical Officer, Richmond, VA, USA

5:10 PM - 5:30 PM

Live Video Question and Answer

Program Topic: Basic & Translational

New Approaches to Tackling Alloimmunity

3:00 PM - 4:00 PM

Moderators:

Reza Abdi, MD, Brigham & Womens Hosp, Boston, MA, USA

Ginny Bumgardner, MD PhD FACS, Ohio State University, Professor of Surgery, Columbus, OH, USA

Sunil Kurian, PhD, Scripps Health, Research Scientist, LA JOLLA, CA, USA

3:00 PM - 3:15 PM

Cellular Therapy to Modify the Recipient Immune System

Suzanne Ildstad, MD, University of Louisville / Talaris Therapeutics, Inc, Founder and CSO, Louisville, KY, USA

3:15 PM - 3:30 PM

Delivery of Targeted Immunosuppression

Evan Scott, PhD, Northwestern University, Kay Davis Professor of Biomedical Engineering, Evanston, IL, USA

3:30 PM - 3:45 PM

Live Video Question and Answer

4:00 PM - 4:30 PM

Break

4:30 PM - 4:45 PM

Modifying the Immune Trafficking

Jonathan Bromberg, MD, PhD, University of Maryland School of Medicine, Professor of Surgery and Microbiology and Immunology, Baltimore, MD, USA

4:45 PM - 5:00 PM

Single Cell Analysis for Diagnostics?

Andrew Malone, MD, Washington University School of Medicine, Saint Louis, MO, USA

5:00 PM - 5:15 PM

Update on Tolerance Induction Protocols

Megan Sykes, MD, Columbia University, Professor, Columbia University, Director, Columbia Center for Translational Immunology, Columbia University, New York, NY, USA

5:15 PM - 5:30 PM

Live Video Question and Answer

Program Topic: Pharmacy

Comprehensive Management in Multi-Organ Transplantation: It Takes a Village

3:00 PM - 5:30 PM

Moderators:

Linda Ohler, MSN, RN, CCTC, FAAN, FAST, New York University Langone Transplant Institute, New York, NY

Laurenco Jenkins, Doctor of Pharmacy, CareDx, Inc.; University of Chicago Medicine, Current Medical Science Liaison; former Transplant PharmD, Chicago, IL, USA

3:00 PM - 3:10 PM

SRTR Outcomes and Multi-Organ Transplants

Jon Snyder, PhD, Hennepin Healthcare Research Institute, Director of Transplant Epidemiology, Minneapolis, MN, USA

3:10 PM - 3:20 PM

Allocation of Multi-Organ Transplants & Ethical Implications

Peter Reese, MD, University of Penn,
Philadelphia, PA, USA

3:20 PM - 3:30 PM

An Alternative Strategy: Sequential Versus Combined Transplantation - Are Two Operations Better Than One?

Sylvester Black, MD, PhD, Ohio State University, Associate Professor of Surgery, Columbus, OH, USA

3:30 PM - 3:40 PM

Prepping the Patient: Surgical Sequence & Peri-operative Management of a Multi-organ Recipient

Richard Daly, M.D., Mayo Clinic, Surgical Director of Heart and Lung Transplantation, Rochester, MN, USA

3:40 PM - 4:00 PM

Live Video Question and Answer

4:00 PM - 4:30 PM

Break

4:30 PM - 4:40 PM

An Immunologic Perspective: Can the Liver "Tolerate" the Rest?

Annette Jackson, PhD, Sparks Glencoe, MD, USA

4:40 PM - 4:50 PM

The Multi-Multidisciplinary Team: Inpatient and Outpatient Coordination of Care for Multi-organ Transplant Recipients

Gina Jamero, MSN, ACNP-BC, Cedars Sinai Heart Institute, Lead Nurse Practitioner, Heart Transplant/MCS Cardiology, Los Angeles, CA, USA

4:50 PM - 5:00 PM

Don't Go BKing My Heart: Infectious Complications & Anti-infective Prophylaxis in the Multi-organ Recipient

Marcus Pereira, MD, MPH, New York Presbyterian Hospital, New York, NY, USA

5:00 PM - 5:10 PM

Nuances of Immunosuppressive Management in the Multi-organ Recipient

Tracy Sparkes, PharmD, University of Maryland Medical Center, Transplant Clinical Pharmacy Specialist, Baltimore, MD, USA

5:10 PM - 5:30 PM

Live Video Question and Answer

Program Topic: Liver

Pushing Past the Limits of LDLT in the US: Programmatic Development

3:00 PM - 5:30 PM

Moderators:

Roberto Hernandez-Alejandro, MD, University of Rochester Medical Center, Professor of Surgery, Rochester, NY, USA
Talia Baker, MD, Uchicago medicine, Director, Liver Transplant Oncology, Chicago, IL, USA

3:00 PM - 3:10 PM

Altruistic Donation and Social Media in LDLT

Nazia Selzner, MD PhD, University Health Network, Medical Director LDLT, Toronto, ON, Canada

3:10 PM - 3:20 PM

Planning for an Adverse Event

Talia Baker, MD, Uchicago medicine, Director, Liver Transplant Oncology, Chicago, IL, USA

3:20 PM - 3:30 PM

Robust Training in LDLT, Do We Need to Travel?

STEVEN I HANISH, MD, UT

SOUTHWESTERN MEDICAL CENTER,
 Assoc Prof of Surgery, DALLAS, TX, USA

3:30 PM - 3:40 PM

Can we Weather the Storm of a LD Fatality?

James Pomposelli, University of Colorado

3:40 PM - 4:00 PM

Live Video Question and Answer

4:00 PM - 4:30 PM

Break

4:30 PM - 4:40 PM

Informed (informative) Consent: Giving Support and Avoiding Coercion

Diane La Pointe-Rudow, ANP-BC DNP FAAN, Mount Sinai Hospital, Director Of Zweig Family Center for Living Donation, New York, NY, USA

4:40 PM - 4:50 PM

How to Get a LDLT Program Up and Running - A Clinicians Perspective

Cristiano Quintini, MD, Cleveland Clinic, Director, Liver Transplantation, Cleveland, OH, USA

4:50 PM - 5:00 PM

How Does LDLT Fit into the New Allocation Model

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

5:00 PM - 5:30 PM

Live Video Question and Answer

Break

5:30 PM - 6:00 PM

ATC's Women's Networking Event

6:00 PM - 8:00 PM

Program Topic: Prof Develop & Women's Health

Strategies to Enhance Health & Wellness

Elizabeth Pomfret, MD PhD, University of Colorado, Chief of Transplant Surgery, Aurora, CO, USA

Christina Klein, MD, Piedmont Transplant Institute, Medical Director, Kidney and Pancreas Transplant, Atlanta, GA, USA

Tips for Managing Your Time

Debra Sudan, MD, Duke University Medical Center, Prifessor if Surgery, Durham, NC, USA

Kathryn Tinckam, MD, MBA, MMSc,FRCPC, FAST, University Health Network, Physician-in-Chief, Toronto, ON, Canada

Optimizing Mentor/Mentee Interactions

Wendy Grant, MD, University of Nebraska Medical Center, College of Medicine, Professor of Surgery, Associate Dean for Admissions and Student Affairs, Omaha, NE, USA

Deirdre Sawinski, MD, University of Pennsylvania, Associate Professor of Medicine, Philadelphia, PA, USA

Productive Communication

Julie Heimbach, MD, mayo clinic, chair, division of transplanation surgery, Rochester, MN, USA

Maryjane Farr, MD, NewYork-Presbyterian/Columbia University Medical Center, Associate Professor, Medical Director, Adult Heart Transplant, New York, NY, USA

Tips to Launching a Research Program

Linda Cendales, MD, Duke University Medical Center, Durham, NC, USA

Lisa Van Wagner,, IL, USA

Enhancing Your Letters of Recommendation
Ginny Bumgardner, MD PhD, Ohio State University, Professor of Surgery, Columbus, OH, USA

Deborah Adey, MD, UCSF, Professor of Medicine, Orinda, CA, USA

Building Professional Connections
Irene Kim, MD, Cedars-Sinai Medical Center, Los Angeles, Co-Director, Comprehensive Transplant Center, Associate Professor of Surgery, Los Angeles, CA, USA

Lori West, MD, D.Phil, University of Alberta, Professor, Edmonton, AB, Canada

Development of New Clinical Programs
Dinee Simpson, MD, Northwestern University, Feinberg School of Medicine, Assistant Professor of Surgery, Chicago, IL, USA

Vicky Ng, MD FRCPC, Hospital for Sick Children, Professor of Pediatrics, University of Toronto, Toronto, ON, Canada

Center, Associate Professor Of Medicine, Boston, MA, USA

Michael Ison, MD, MS, Northwestern University Comprehensive Transplant Center, Professor, Chicago, IL, USA

9:00 AM - 9:15 AM

Endemic Mycosis

Rachel Miller, MD, Duke University, Professor of Medicine, DURHAM, NC, USA

9:15 AM - 9:30 AM

Multi-drug Resistant Organisms

Fernanda Silveira, MD, University of Pittsburgh and UPMC, Associate Professor of Medicine, Pittsburgh, PA, USA

9:30 AM - 9:45 AM

Chagas Seropositive Donor for Heart Transplant Candidate

Ricardo La Hoz, MD, University of Texas Southwestern Medical Center, Associate Professor of Internal Medicine, Dallas, TX, USA

9:30 AM - 9:45 AM

Live Video Question and Answer

Saturday, June 5, 2021

Welcome

8:45 AM - 9:00 AM

IMPACT Sessions

9:00 AM - 10:00 AM

Program Topic: ID

The Infected Donor and Recipient: When is it Safe to Transplant

9:00 AM - 10:00 AM

Moderators:

Jennifer Chow, MD, MS, Tufts Medical

Program Topic: Translational

The Infection Rejection Connection in Solid Organ Transplantation

9:00 AM - 10:00 AM

Moderators:

Deepali Kumar, MD, University Health Network, Toronto, ON, Canada

Hans H. Hirsch, MD, MSc, University of Basel / Department Biomedicine, Professor, Basel, Switzerland

9:00 AM - 9:10 AM

T cell Mediated Protection to CMV

Jonathan Maltzman, MD, PhD, FAST, Stanford University, Associate Professor, Palo Alto, CA, USA

9:10 AM - 9:20 AM

Infection and Lung Transplantation

Daniel Calabrese, MD, University of California, San Francisco, Assistant Professor, San Francisco, CA, USA

9:20 AM - 9:30 AM

BK and Rejection

Michelle Josephson, MD, University of Chicago, Medical Director, Kidney and Pancreas Transplantation, Chicago, IL, USA

9:30 AM - 10:00 AM

Live Video Question and Answer

Program Topic: Public Policy

US Organ Allocation - An Update

9:40 AM - 10:00 AM

Live Video Question and Answer

Program Topic: Kidney

To Band or not to Band? AVF Access Ligation after Kidney Transplantation

9:00 AM - 10:00 AM

Moderators:

Chris Freise, MD, Univ of California-San Francisco, Interim Chief of Abdominal Transplant, San Francisco, CA, USA

Sagar Nigwekar, MD, MMSc, Massachusetts General Hospital, Dr, Boston, MA, USA

9:00 AM - 10:00 AM

Moderators:

Nicole Turgeon, MD, Dell Seton Medical Center at The University of Texas, Professor of Surgery, Austin, TX, USA

Sean Pinney, MD, University of Chicago, Chicago, IL, USA

9:00 AM - 9:10 AM

The Times, They Are a Changing - Lungs

Maryam Valapour, MD, MPP, Cleveland, OH, USA

9:10 AM - 9:20 AM

The Times, They Are a Changing - Liver

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

9:20 AM - 9:30 AM

The Times They Are a Changing - Heart

Shelley Hall, MD, Baylor Univ Medical Center, Chief, Transplant Cardiology, MCS and Adv HF, Dallas, TX, USA

9:30 AM - 9:40 AM

The Times, They Are a Changing - Kidney

Vincent Casinag, MD, Atrium Health-Carolinas Medical Center, Chief, Division of Abdominal Transplant, Charlotte, NC, USA

9:00 AM - 9:10 AM

AVF Banding in Post-transplantation: Nephrologist's Point of View

Claudio Rigatto, MD, University of Manitoba, AVF Banding in Post-transplantation: Nephrologist's Point of View, Winnipeg, MB, Canada

9:10 AM - 9:20 AM

AVF Banding in Post-transplantation: Cardiologist's Point of View

Ronald Zolty, University of Nebraska Medical Center, UNMC, Omaha, NE, USA

9:20 AM - 10:00 AM

Live Video Question and Answer

Program Topic: Pediatric

When is a Combined Organ Transplant an Appropriate use of Organs in the Pediatric Recipient?

9:00 AM - 10:00 AM

Moderators:

Amy Gallo, Stanford, Palo Alto, CA, USA

Dominique Jan, MD, Montefiore-Albert

Einstein College of Medicine, Professor of Surgery, Bronx, NY, USA

9:00 AM - 9:10 AM

Updates on Heart/Liver Transplantation

C. Andrew Bonham, MD, Stanford University Medical Center, Associate Professor, Palo Alto, CA, USA

9:10 AM - 9:20 AM

Post Fontan Heart Liver Transplantation - How to Evaluate and Manage

Lee Goldberg, MD, MPH, University of Pennsylvania, Professor of Medicine, Section Chief Advanced Heart Failure and Cardiac Transplant, Philadelphia, PA, USA

9:20 AM - 9:30 AM

The Case for Combined Liver-Intestine or Multi-Visceral Transplants?

Kishore Iyer, MBBS, FRCS, FACS, Mount Sinai Hospital, Professor of Surgery & Pediatrics, New York, NY, USA

9:30 AM - 10:00 AM

Live Video Question and Answer

Program Topic: Heart

DCD Donors for Heart Transplantation - The Devil is in the Details

9:00 AM - 10:00 AM

Moderators:

Lavanya Bellumkonda, MD, Yale School of Medicine, Associate Professor, New Haven, CT, USA

Francis Pagani, MD PhD, University of Michigan, Otto Gago MD Professor of Cardiac Surgery, Ann Arbor, MI, USA

9:00 AM - 9:10 AM

Ethics and Legal Consideration in Accepting DCD Donors for Heart Transplantation

Alexandra Glazier, JD, MPH, New England Donor Services, Inc., Waltham, MA, USA

9:10 AM - 9:20 AM

The DCD Heart Trial: Study Design and Inclusion Criteria

Jason Smith, MD, University of Wisconsin, Surgical Director of Heart Transplant and Mechanical Support, Madison, WI, USA

9:20 AM - 9:30 AM

DCD Hearts Are Well Supported By Normothermic Regional Perfusion But There Are Transplant and OPO Challenges in Program Initiation

Nader Moazami, MD, NYU Langone Transplant Institute, Professor of Cardiothoracic Surgery, New York, NY, USA

9:30 AM - 10:00 AM

Live Video Question and Answer

Program Topic: Kidney

How Low Can You Go? Assessing GFR in Living Kidney Donor Candidates

9:00 AM - 10:00 AM

Moderators:

Martha Pavlakis, MD, FAST, FASN, Beth Israel Deaconess Medical Center, Medical Director, Kidney and Pancreas Transplantation, Boston, MA, USA

Edmund Huang, M.D., Cedars-Sinai Medical Center, Associate Professor of Medicine, Los Angeles, CA, USA

9:00 AM - 9:10 AM

Association of Pre-Donation GFR on Post-Donation Outcomes - Defining the Appropriate GFR Threshold for Kidney Donation

Emilio Poggio, MD, Cleveland Clinic, Medical Director, Kidney Transplant Program, Cleveland, OH, USA

9:20 AM - 9:30 AM

Principles of GFR Measurement and Estimation - How to Evaluate GFR in Living Kidney Donor Candidates

Nicolae Leca, MD, University of Washington,
 Medical Director Kidney and Pancreas
 Transplant Program, Seattle, WA, USA

NY, USA

9:30 AM - 10:00 AM

Live Video Question and Answer

9:10 AM - 9:20 AM

**Impact of Estimation Versus Measurement of
 GFR on the Eligibility of Potential Living
 Kidney Donors**

Francois Gaillard, M.D. PhD, Assistance
 Publique Hopitaux de Paris, Nephrology
 Fellow, Paris, France

Program Topic: Pharmacy

**Stop the Pain! Novel Opioid Minimization
 Strategies to Mitigate Pain in the Pre-,
 Peri-, and Post-Operative Transplant
 Phases**

9:30 AM - 10:00 AM

Live Video Question and Answer

Program Topic: Liver

**Technical Versus Oncologic Approaches
 to Resectability**

9:00 AM - 10:00 AM

Moderators:

Erika Meredith, PharmD, BS, Emory
 Healthcare, Clinical Pharmacy Specialist,
 Solid Organ Transplant, Atlanta, GA, USA
Nicole Pilch, PharmD, MS, BCPS, Medical
 University of South Carolina, Quality and
 Safety Operations Director, Associate
 Professor of Clinical Pharmacy, Charleston,
 SC, USA

9:00 AM - 10:00 AM

Moderators:

M B Majella Doyle, Saint Louis, MO, USA
Charles Rosen, MD, Mayo Clinic, Professor
 of Surgery, Rochester, MN, USA

9:00 AM - 9:10 AM

**Role of ERAS Protocols and Blocks for the
 Elimination of Opioids in the Post-operative
 Transplant Phase**

Jeanette Avery, DNP, AGACNP-BC, VCU
 Health, Richmond, VA, USA

9:00 AM - 9:10 AM

**Colorectal Metastases to Deliver: Resection
 vs. Transplantation**

Roberto Hernandez-Alejandro, MD,
 University of Rochester Medical Center,
 Professor of Surgery, Rochester, NY, USA

9:10 AM - 9:20 AM

**Non-opioid Pharmacologic Alternatives for
 Pain Control Pearls/Pitfalls**

Maya Campara, PharmD, UIC, Clinical
 Associate Professor/Transplant Clinical
 Pharmacist, Chicago, IL, USA

9:10 AM - 9:20 AM

**Liver Transplantation for HCC: Resection vs.
 Liver Transplantation**

Timothy Pawlik, MD, MPH, PhD, The Ohio
 State University Wexner Medical Center,
 Professor and Chair of Surgery, Columbus,
 OH, USA

9:20 AM - 9:30 AM

**Peri-operative Strategies to Mitigate Opioid
 Utilization Post Kidney Transplant**

Vinayak Rohan, MD, Medical University of
 South Carolina, Assistant Professor,
 Charleston, SC, USA

9:20 AM - 9:30 AM

**Criteria for Ex vivo Resection for
 Unresectable Tumors**

Tomoaki Kato, MD, MBA, Columbia
 University - College of Physicians &
 Surgeons, Professor of Surgery, New York,

9:30 AM - 10:00 AM

Live Video Question and Answer

Program Topic: Ethics

We Said Yes; Transplanting Patients with Alcoholic Liver Disease: Time to Focus on Aftercare

9:00 AM - 10:00 AM

Moderators:

Sheila Jowsey-Gregoire, MD, Mayo Clinic, Associate Professor of Psychiatry, Rochester, MN, USA

Jared White, MD, Medical University of South Carolina Transplant Center, Associate Professor of Surgery, Charleston, SC, USA

9:00 AM - 9:10 AM

The Risk and Protective Factors Preventing Relapse (The Six-month Rule is so Yesterday.)

Jody Jones, PhD, University of Iowa Hospitals and Clinics, Clinical Associate Professor, Department of Surgery, Iowa City, IA, USA

9:10 AM - 9:20 AM

When the Carrot is Gone: Utilizing an Integrative Group Therapy Approach with Alcohol Liver Transplant Recipients to Reduce Relapse after Transplant

Wendy Balliet, Ph.D., Medical University of South Carolina, Associate Professor; Clinical Psychologist, Charleston, SC, USA

9:20 AM - 10:00 AM

Live Video Question and Answer

Program Topic: Basic & Basic

Extracellular Vesicles in Transplantation

9:00 AM - 10:00 AM

Moderators:

Angus Thomson, PhD, DSc, University of Pittsburgh

Gilles Benichou, MD PhD, Mass Gen Hosp Harvard Med Sch, Associate Professor of surgery and immunology, Boston, MA, USA

9:00 AM - 9:10 AM

Exosomes in B Cell Sensitization

Adrian Morelli, MD, PhD, Univ of Pittsburgh, Professor, Pittsburgh, PA, USA

9:10 AM - 9:20 AM

Exosomes as a Biomarker for Tissue Rejection

Prashanth Vallabhajosyula, MD, MS, Yale University School of Medicine, Associate Professor of Surgery, New Haven, CT, USA

9:20 AM - 9:30 AM

IL-35: Exokine, How Transplant Tolerance Gets Local

William Burlingham, PhD, University of Wisconsin, Professor-Emeritus, Madison, WI, USA

9:30 AM - 10:00 AM

Live Video Question and Answer

Break

10:00 AM - 10:30 AM

Plenary Oral Abstract Session 1

10:30 AM - 11:30 AM

Program Topic: All Topics

10:30 AM - 11:30 AM

Moderators:

Marwan Abouljoud, MD, CPE, FACS, MMM, Henry Ford Transplant, Detroit, MI, USA

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

10:30 AM - 10:40 AM

Donor Derived Transmissions 2019: Analysis of the OPTN Ad Hoc Disease Transmission Advisory Committee (DTAC)

L. Danziger-Isakov¹, M. G. Michaels¹, A. Agarwal¹, S. Aslam¹, K. Dunn¹, J. Goldman¹, D. Levine¹, C. Marboe¹, G. Marklin¹, S.

Pouch¹, M. Rana¹, R. Razonable¹, H. L. Stevenson¹, H. S. Te¹, A. Woolley¹, E. Ward², C. Jett², L. Cartwright², R. La Hoz¹,
¹OPTN DTAC, Richmond, VA, ²UNOS, Richmond, VA

10:40 AM - 10:50 AM

Combined CD11b/CD40 Blockade is Superior to CD40 Blockade Alone in Prolonging Survival in Pig-to-Nonhuman Primate Renal Xenotransplantation

D. A. Faber¹, B. Lovasik¹, A. Matar¹, C. Breeden¹, S. Kim¹, A. Adams², ¹Surgery, Emory University School of Medicine, Atlanta, GA, ²Surgery, University of Minnesota, Minneapolis, MN

10:50 AM - 11:00 AM

Engineered Human Glomerular Endothelial Cells to Identify Non-hla Antibodies and Decipher Their Pathogenicity After Kidney Transplantation

B. Lamarthée¹, C. Burger¹, C. Leclaire¹, L. Morin¹, F. Terzi¹, C. Tinel¹, D. Anglicheau², ¹Inserm U1151, Necker-Enfants Malades Institute, PARIS, France, ²Necker Hospital, AP-HP, Department of Nephrology and Kidney Transplantation, PARIS, France

11:00 AM - 11:10 AM

Myeloid Foxo1- β -catenin Axis Regulates Hedgehog/Gli1 Signaling and Controls NLRP3-Mediated Innate Immune Responses in Sterile Inflammatory Liver Injury

D. Xu, C. Li, M. Sheng, Y. Lin, Y. Tian, Y. Zhan, A. J. Coito, R. W. Busuttil, D. G. Farmer, J. W. Kupiec-Weglinski, B. Ke, Surgery, Dumont - UCLA Transplant Center, Los Angeles, CA

11:10 AM - 11:30 AM

Live Video Question and Answer

Sponsor Networking

11:30 AM - 12:00 PM

Sponsor Networking in the Sponsor Lounge

Sponsor Connect Sessions

11:30 AM - 12:00 PM

Although not directly affiliated with the ATC, we urge you to attend and support these additional educational opportunities.

These are open to all attendees registered for ATC 2021 Virtual Connect and there is no separate registration fee to attend.

Attendance is LIMITED.

Going the Distance: The Changing Map of Kidney Allocation

Sponsored by Sanofi

Real World Application of on Rejection Assessment with cfDNA ENVARSUS XR® (PART 1) – De Novo Dosing and Monitoring

Sponsored by Veloxis Pharmaceuticals

ASTS Presidential Address

12:00 PM - 12:30 PM

ASTS Presidential Address

12:00 PM - 12:10 PM

Introduction

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

12:10 PM - 12:30 PM

Presidential Address

Marwan Abouljoud, MD, CPE, FACS, MMM, Henry Ford Transplant Institute, Detroit, MI, USA

ASTS Research Grants & Pioneer Award

12:30 PM - 1:30 PM

ASTS Research Grants & Pioneer Award

12:30 PM - 1:00 PM

Research Grants Presentations

John Roberts, MD, University of California
San Francisco, San Francisco, CA, USA

1:00 PM - 1:30 PM

**Research Grants & Pioneer Award
Presentation**

**Marwan Abouljoud, MD, CPE, FACS,
MMM**, Henry Ford Transplant Institute,
Detroit, MI, USA

Sponsored Satellite Symposia

1:30 PM - 2:30 PM

Although not directly affiliated with the ATC,
we urge you to attend and support these
additional educational opportunities.

These are open to all attendees registered for
ATC 2021 Virtual Connect and there is no
separate registration fee to attend.

**dd-cfDNA and GEP in Kidney
Transplantation – Redundant or
Complimentary**

**Fresh Perspectives on Rejection
Assessment with cfDNA**

Break

2:30 PM - 3:00 PM

IMPACT Sessions

3:00 PM - 4:00 PM

Program Topic: Kidney

KDPI: Time for a New Look?

3:00 PM - 4:00 PM

Moderators:

David Klassen, MD, United Network for
Organ Sharing, Chief Medical Officer,
Richmond, VA, USA

Sandra Amaral, MD, MHS, Children's
Hospital of Philadelphia, Associate
Professor, Philadelphia, PA, USA

3:00 PM - 3:10 PM

The Source of Truth? APOL1 and KDPI

Barry Freedman, MD, Wake Forest,
Professor and Chief, Section on Nephrology,
Winston-Salem, NC, USA

3:10 PM - 3:20 PM

KDPI Doesn't Work for Kids

Lainie Ross, MD, PhD, University of
Chicago, Carolyn & Matthew Bucksbaum
Professor of Clinical Ethics, Chicago, IL, USA

3:20 PM - 3:30 PM

Is KDPI Correct in the New Hepatitis C World?

Darren Stewart, MS, United Network for
Organ Sharing, Principal Research Scientist,
Richmond, VA, USA

3:30 PM - 4:00 PM

Live Video Question and Answer

Program Topic: Kidney

**Kidney Paired Donation: Innovation &
Evolution Leading to Improved Outcomes**

3:00 PM - 4:00 PM

Moderators:

Didier Mandelbrot, MD, UW Health,
Madison, WI, USA

Jeff Veale, MD, UCLA, Professor, Director
 Kidney Exchange Program, Los Angeles,
 CA, USA

3:00 PM - 3:10 PM

Bigger is better: Is There Still a Case to Be Made for Single Center Paired Exchanges?
Asif Sharfuddin, MD, Indiana University
 School of Medicine, Associate Professor of
 Clinical Medicine, Indianapolis, IN, USA

3:10 PM - 3:20 PM

Benefits of Compatible Pairs: Do We Even Need To Debate This Further?
Dorry Segev, MD, PhD, Johns Hopkins
 University, Professor of Surgery, Baltimore,
 MD, USA

3:20 PM - 3:30 PM

Advanced Donation Programs: Past, Present and Future
Matthew Cooper, MD, MedStar Georgetown
 Transplant Institute, Director, Kidney and
 Pancreas Transplantation, Washington, DC,
 USA

3:30 PM - 4:00 PM

Live Video Question and Answer

Program Topic: VCA

Psychosocial and Bioethical Aspects of VCA: An Update

3:00 PM - 4:00 PM

Moderators:

David Sarwer, Ph.D., Temple University
 College of Public Health, Associate Dean for
 Research, Philadelphia, PA, USA
Elisa Gordon, PhD, MPH, Elisa's
 Mastercard, Professor, Oak Park, IL, USA

3:00 PM - 3:10 PM

Medical Decision Making for VCA Candidates
Sheila Jowsey-Gregorie, MD, Associate Professor of Psychiatry, Mayo Clinic,
 Transplant Psychiatrist, Rochester, MN, USA

3:10 PM - 3:20 PM

Development of a Social Media Campaign to Promote VCA Donation

Macey Henderson, JD, PhD, Johns Hopkins
 University, Assistant Professor of Surgery,
 Baltimore, MD, USA

3:20 PM - 3:30 PM

Why Consenting to VCA is the Only Thing that Makes Sense

Amy Friedman, MD, LiveOnNY, Chief
 Medical Officer & Executive Vice President,
 New York, NY, USA

3:30 PM - 3:40 PM

How Much Does the VCA Caregiver Matter?
Simon Talbot, MD, Brigham and Women's
 Hospital, Associate Professor, Harvard
 Medical School, Boston, MA, USA

3:30 PM - 4:00 PM

Live Video Question and Answer

Program Topic: ID

Herpes Just Keeps Coming Back: How to Manage Difficult Herpes Virus Infections

3:00 PM - 4:00 PM

Moderators:

Maricar Malinis, MD, Yale School of
 Medicine, Associate Professor of Medicine
 and Surgery (Transplant), New Haven, CT,
 USA
Atul Humar, MD, MSC, Toronto General
 Hospital, Dr., Toronto, ON, Canada

3:00 PM - 3:10 PM

Treatment of Resistant and Refractory CMV - Where do we Stand in 2021?

Daniel Kaul, MD, University of Michigan,
 Director Transplant Infectious Disease, Ann
 Arbor, MI, USA

3:10 PM - 3:20 PM

CTL as Antiviral Therapy Option in Solid Organ Transplant Recipients

Susan Prockop, MD, Memorial Sloan Kettering Cancer Center, Associate Attending, New York, NY, USA

3:20 PM - 3:30 PM

It's not just CMV and EBV: The Other Herpes Viruses Cause and Major Problems too!

Jonathan Hand, MD, Ochsner Medical Center, New Orleans, LA, USA

3:30 PM - 4:00 PM

Live Video Question and Answer

Program Topic: Translational

Nanotherapeutics in Organ Transplantation: How Close are We?

3:00 PM - 4:00 PM

Moderators:

Mark Saltzman, PhD, Yale University, Goizueta Foundation Professor of Chemical and Biomedical Engineering, New Haven, CT, USA

Carl Atkinson, PhD, Medical University of South Carolina, Charleston, SC, USA

3:00 PM - 3:10 PM

Nanotherapy: Past, Present and Future

Gregory Tietjen, PhD, Yale University, New Haven, CT, USA

3:10 PM - 3:20 PM

"On Target": Systemic Delivery of Nanotherapeutics in Transplantation

Reza Abdi, MD, Brigham & Womens Hosp, Professor of Medicine, Boston, MA, USA

3:20 PM - 4:00 PM

Live Video Question and Answer

Program Topic: Pancreas

The Multidisciplinary Approach to Total Pancreatectomy with Islet Auto Transplantation Patient Care

3:00 PM - 4:00 PM

Moderators:

Kristin Kuntz, Ph.D., The Ohio State University Medical Center, Associate Professor of Psychiatry, Columbus, OH, USA

Srinath Chinnakotla, MD, University of Minnesota, Surgical Director, Liver Transplantation, Minneapolis, MN, USA

3:00 PM - 3:10 PM

The Pharmacist's Role in Caring for the TPIAT Patient

Abbie Leino, PharmD, MS, University of Michigan, Clinical Pharmacist, Ann Arbor, MI, USA

3:10 PM - 3:20 PM

The Physician's Role in Caring for the TPIAT Patient

Luis F Lara, MD, The Ohio State University Wexner Medical Center, Professor of Clinical Medicine, Columbus, OH, USA

3:20 PM - 4:00 PM

Live Video Question and Answer

Program Topic: Lung

Taking a Step Further: Ex Vivo Lung Perfusion: (EVLP): The Clinical, Therapeutic and Scientific Opportunities

3:00 PM - 4:00 PM

Moderators:

Daniel Dilling, MD, Loyola University Medical Center, Professor of Medicine, Maywood, IL, USA

Norihisa Shigemura, MD, PhD, Temple University Health System and Lewis Katz School of Medicine, Professor of Surgery and Surgical Director of Lung Transplant and Lung Failure, Philadelphia, PA, USA

3:00 PM - 3:10 PM

Creating an EVLP Program and Incorporating it into your Center: Which Protocol, Which

Donors, and Troubleshooting

Bryan Whitson, MD, PhD, The Ohio State University, Columbus, OH, USA

3:10 PM - 3:20 PM

EVLP in DCD

Edward Cantu, MD, MSCE, University of Pennsylvania, EVLP in DCD, Philadelphia, PA, USA

3:20 PM - 3:30 PM

EVLP as a Therapeutic Platform to Recondition and Treat Injured Lungs

Marcelo Cypel, MD, MSC, FACS, FRCS, University of Toronto, Associate Professor of Surgery, Toronto, ON, Canada

3:30 PM - 3:40 PM

EVLP: The Economics and Analytic Decision Model

Matthew Hartwig, MD, Duke University, Associate Professor of Surgery with tenure, Durham, NC, USA

3:40 PM - 4:00 PM

Live Video Question and Answer

Program Topic: Pharmacy

Role of Biomarkers in Current Clinical Practice - Remote Monitoring for the Spectrum of Solid Organ Transplantation

3:00 PM - 4:00 PM

Moderators:

Ryan Winstead, PharmD, Virginia Commonwealth University Health, Clinical Pharmacist, Richmond, VA, USA

Shelley Hall, MD, Baylor University Medical Center – Heart Center, Dallas, Chief, Transplant Cardiology, MCS and Adv HF, Dallas, TX, USA

3:00 PM - 3:10 PM

Hitting the Mark with Biomarkers in Kidney Transplant

Alicia Lichvar, PharmD, University of Illinois

at Chicago, Clinical Assistant Professor, Chicago, IL, USA

3:10 PM - 3:20 PM

Hitting the Mark with Biomarkers in Heart Transplant

Jill Krisl, PharmD, Houston Methodist Hospital, Clinical Pharmacy Specialist, Houston, TX, USA

3:20 PM - 3:30 PM

Hitting the Mark with Biomarkers in Liver Transplant

David Salerno, Pharm.D., New York Presbyterian/Weill Cornell Medical Center, Clinical Pharmacy Manager - Liver Transplantation, New York, NY, USA

3:30 PM - 3:40 PM

Hitting the Mark with Biomarkers in Lung Transplant

Deborah Levine, MD, University of Texas, Medical Director Lung Transplantation, San Antonio, TX, USA

3:40 PM - 4:00 PM

Live Video Question and Answer

Program Topic: Heart

Rise of the Machines: The Evolution of Patient Management in the New Heart Allocation System

3:00 PM - 4:00 PM

Moderators:

Hannah Copeland, MD, Lutheran Hospital / Indiana University School of Medicine Fort Wayne, Surgical Director of Heart Transplant, MCS and Director of ECMO, FORT WAYNE, IN, USA

Richard Daly, M.D., Mayo Clinic, Surgical Director of Heart and Lung Transplantation, Rochester, MN, USA

3:00 PM - 3:10 PM

All Aboard the ECMO Train: How, When, and

Why Not?

Barbara Pisani, DO, FACC, Wake Forest Medical Center, Winston Salem, NC, USA

3:10 PM - 3:20 PM

What Do You Mean? Cardiogenic Shock Classification and Practical Applications

David Baran, MD, Sentara Heart Hospital, System Director, Advanced HF, Tx and MCS, Norfolk, VA, USA

3:20 PM - 3:30 PM

Trains, Planes, and Automobiles: Percutaneous MCS Devices for Cardiogenic Shock

Danny Ramzy, MD, Cedars Sinai, Vice Chair Innovation, Los Angeles, CA, USA

3:30 PM - 4:00 PM

Live Video Question and Answer

Program Topic: Basic

Fc Region: The Business End of Antibody Regulation

3:00 PM - 4:00 PM

Moderators:

William Baldwin, MD, PhD, Cleveland Clinic, Staff, Cleveland, OH, USA

Rebecca Sosa, Ph.D., UCLA, Postdoctoral Fellow, Los Angeles, CA, USA

3:00 PM - 3:10 PM

Fc Receptor Polymorphisms and DSA

Nicole Valenzuela, PhD, UCLA, Assistant Professor, Los Angeles, CA, USA

3:10 PM - 4:00 PM

Live Video Question and Answer

Program Topic: Liver

Beyond Survival: When MELD isn't Enough

3:00 PM - 4:00 PM

Moderators:

Josh Levitsky, MD, MS, northwestern, Professor of Medicine, Evanston, IL, USA

Elizabeth Pomfret, MD, PhD, FACS, University of Colorado, Chief, Transplant Surgery, Aurora, CO, USA

3:00 PM - 3:10 PM

The Hidden Risks of Low MELD Patients

Daniela Ladner, MD, MPH, Northwestern Memorial Hospital, Professor of Surgery, Chicago, IL, USA

3:10 PM - 3:20 PM

Determining Timing of LDLT: An Approach to Assess Quality of Life in Addition to Survival

Abhinav Humar, MD, Thomas E Starzl Transplant Inst, Pittsburgh, PA, USA

3:20 PM - 3:30 PM

Eye on the Prize: Metrics to Strive for after Liver Transplant in Addition to Patient and Graft Survival

David Goldberg, MD, MSCE, University of Miami, Associate professor of Medicine, Miami, FL, USA

3:30 PM - 4:00 PM

Live Video Question and Answer

Sponsor Networking

4:00 PM - 4:30 PM

Sponsor Networking

Rapid Fire Oral Abstract Sessions

4:30 PM - 5:30 PM

Program Topic: VCA

VCA: Basic and Clinical

4:30 PM - 5:30 PM

Moderators:

Rolf Barth, MD, University of Chicago,
 Professor of Surgery, Chicago, IL, USA
Amer Hatem,

4:30 PM - 4:35 PM

Twelve Live Births After Uterus

Transplantation in the Dallas Uterus

Transplant Study

L. Johannesson, G. J. McKenna, A. Wall, J.
 Bayer, G. Testa, *Baylor University Medical*
Center, Dallas, TX

4:35 PM - 4:40 PM

Immunosuppression in Uterine Transplant
Recipients: Experience from the Largest
Uterine Transplant Program

N. Wilson, R. Patel, L. Johannesson, G.
 Testa, T. Sam, *Baylor University Medical*
Center at Dallas, Dallas, TX

4:40 PM - 4:45 PM

A Multi-institutional Study of Renal Outcomes
in Uterus Transplantation

D. Sawinski¹, L. Johannesson², J. Kristen³, J.
 Fronek³, P. Porrett⁴, ¹*Hospital of the*
University of Pennsylvania, Philadelphia, PA,
²*Department of Surgery, Baylor University*
Medical Center, Dallas, TX, ³*Institute for*
Clinical and Experimental Medicine, Prague,
Czech Republic, ⁴*University of Alabama at*
Birmingham, Birmingham, AL

4:45 PM - 4:50 PM

Stem Cell and Novel Neurotrophic Factors to
Promote Functional Outcomes in Limb
Transplantation

S. K. Salgar¹, J. Weiss², C. Phillips², E.
 Malin², V. Gorantla³, J. Harding⁴, ¹*Clinical*
Investigation, United States Army, Tacoma,
WA, ²*Clinical Investigation, Madigan Army*
Medical Center, Tacoma, WA, ³*Surgery,*
Wake Forest University, Winston-Salem, NC,
⁴*Neuroscience, Washington State*
University, Pullman, WA

4:50 PM - 4:55 PM

Recovery After Extended Static Cold Storage
Preservation Using Subnormothermic
Machine Perfusion in VCA

M. Goutard¹, R. J. de Vries¹, A. G. Lellouch¹,
 E. Lupon¹, C. Pendexter¹, S. N. Tessier¹, M.
 A. Randolph¹, L. Lantieri², C. L. Cetrulo¹, K.
 Uygun¹, ¹*Massachusetts General Hospital,*
Harvard Medical School, Shriners Hospitals
for Children, Boston, MA, ²*Hôpital Européen*
Georges Pompidou, Paris, France

4:55 PM - 5:00 PM

A Noninvasive Diagnostic Approach for
Molecular Monitoring of Face Transplant
Recipients

C. Snopkowski¹, P. Rabbani², H. Yang¹, Z.
 Berman², G. Diep², C. Li¹, T. Muthukumar¹,
 R. Ding¹, D. Ceradini², M. Suthanthiran¹,
¹*Weill Cornell Medical Institute, Department*
of Medicine, Division of Nephrology, NY, NY,
²*NYU Langone Health, Hansjörg Wyss*
Department of Plastic Surgery, NY, NY

5:00 PM - 5:30 PM

Live Video Question and Answer

Program Topic: ID

COVID-19 Session 1

4:30 PM - 5:30 PM

Moderators:

Paschalis Vergidis, MD, MSc, Mayo Clinic,
 Assistant Professor, Rochester, MN, USA
Joanna Schaenman, MD, PhD, David
 Geffen School of Medicine at UCLA, Los
 Angeles, CA, USA

4:30 PM - 4:35 PM

Solid Organ Transplant Recipient Attitudes
Towards a SARS-CoV-2 Vaccine

M. Ou¹, B. Boyarsky¹, L. Zeiser¹, T. Chiang¹,
 J. Ruddy¹, S. Rasmussen¹, J. Martin², J.
 Russell², C. Durand¹, R. Avery¹, W. Werbel¹,
 M. Cooper³, A. Massie¹, D. Segev¹, J.
 Garonzik-Wang¹, ¹*Johns Hopkins, Baltimore,*
MD, ²*National Kidney Foundation, New York,*

NY, ³Medstar Georgetown Transplant Institute, Washington, DC

4:35 PM - 4:40 PM

Systematic Screening of Kidney Transplant Patients Points Towards Deficits in Neutralizing Antibody Capacity Against Sars-cov-2

V. Wijtvlit¹, K. K. Ariën², J. Mariën², B. Peeters³, R. Hellemans⁴, A. Massart⁴, S. Van Hees¹, P. Moons⁵, H. Theeten⁶, P. Van Damme⁶, H. Goossens⁷, B. Y. De Winter¹, K. J. Ledeganck¹, D. Abramowicz⁴, ¹Laboratory of Experimental Medicine and Pediatrics, University of Antwerp, Antwerp, Belgium, ²Department of Biomedical Sciences, Institute of Tropical Medicine and University of Antwerp, Antwerp, Belgium, ³Department of Laboratory Medicine, Antwerp University Hospital, Antwerp, Belgium, ⁴Department of Nephrology and Hypertension, Antwerp University Hospital, Antwerp, Belgium, ⁵Biobank, Antwerp University Hospital, Antwerp, Belgium, ⁶Centre for the Evaluation of Vaccination, Vaccine and Infectious Disease Institute, University of Antwerp, Antwerp, Belgium, ⁷Department of Medical Microbiology, Vaccine & Infectious Disease Institute, University of Antwerp, Antwerp, Belgium

4:40 PM - 4:45 PM

Clinical Outcomes of Solid Organ Transplant Recipients Treated with Remdesivir and Convalescent Plasma for Covid-19 at the Largest Transplant Center in the United States

A. Fernandez, S. Anjan, A. Chandorkar, D. de Lima, R. Zamora, L. A. Mendez-Castaner, J. Simkins, J. Camargo, M. Morris, M. Loebe, J. Bauerlein, C. O'Brien, N. Sinha, G. Burke, G. Ciancio, A. Mattiazzi, R. Vianna, L. Abbo, G. Guerra, Y. Natori, *Miami Transplant Institute, Jackson Health System, Miami, FL*

4:45 PM - 4:50 PM

Development and Durability of Sars-cov-2 Antibodies Among Solid Organ Transplant

Recipients

B. Boyarsky, M. Ou, R. Greenberg, M. Krach, R. Wang, T. P. Chiang, W. Werbel, R. Avery, W. Clarke, A. Tobian, A. Massie, D. Segev, J. Garonzik-Wang, *Johns Hopkins, Baltimore, MD*

4:50 PM - 4:55 PM

Polyfunctional T-cell Impairment to Sars-cov-2 Coronavirus in Solid Organ Transplant Recipients with Acute Covid-19 Infection

A. Favà¹, L. Donadeu², V. Pernin³, M. Meneghini¹, E. Crespo², N. Sabé⁴, L. Lladó⁵, J. Gonzalez-Costello⁶, O. Thauinat⁷, O. Bestard¹, ¹Kidney Transplantation Unit, Bellvitge University Hospital- IDIBELL, L'Hospitalet de Llobregat. Barcelona, Spain, ²Experimental Nephrology Laboratory, IDIBELL, Bellvitge University Hospital, L'Hospitalet de Llobregat. Barcelona, Spain, ³Kidney Transplant Unit, Hospital de Montpellier, Montpellier, France, ⁴Infectious Disease Department, Bellvitge University Hospital, L'Hospitalet de Llobregat. Barcelona, Spain, ⁵Liver Transplant Unit, Bellvitge University Hospital, L'Hospitalet de Llobregat. Barcelona, Spain, ⁶Heart Transplantation Unit, Bellvitge University Hospital, L'Hospitalet de Llobregat. Barcelona, Spain, ⁷Department of Transplantation, Edouard Herriot Hospital Lyon, Lyon, France

4:55 PM - 5:00 PM

Longitudinal Antibody Response and Viral Loads in Covid-infected Organ Transplant Recipients

T. M. Marinelli, V. H. Ferreira, M. Ierullo, V. Kulasingham, B. Majchrzak-Kita, C. Rotstein, S. Husain, S. Hosseini, A. Humar, D. Kumar, *UHN, Toronto, ON, Canada*

5:00 PM - 5:05 PM

Attitudes Towards Covid-19 Vaccination in an Inner-city Population of Kidney Transplant Patients (Ktx)

P. Kerner, A. Imas, G. Udod, L. Gruffi, M. Goldberg, A. Saleh, K. Cruickshank, M.

Markell, *SUNY Downstate Health Sciences University, Brooklyn, NY*

5:05 PM - 5:10 PM

Early Detection of SARS-CoV-2 and Other Infections in Solid Organ Transplant Recipients and Household Members Using Wearable Devices

E. H. Li¹, E. Mukhtar¹, E. D. Elftmann¹, F. R. Eweje¹, H. Gao¹, L. I. Ibrahim¹, R. G. Kathawate¹, A. C. Lee¹, K. A. Moore¹, N. Nair¹, S. Amaral², M. Snyder³, B. J. Keating¹,
¹Department of Surgery, Penn Transplant Institute, Division of Transplantation, Philadelphia, PA, ²Department of Pediatrics, The Children's Hospital of Philadelphia, Philadelphia, PA, ³Department of Genetics, Stanford University, Palo Alto, CA

5:10 PM - 5:30 PM

Live Video Question and Answer

Program Topic: Kidney

Kidney Deceased Donor Allocation

4:30 PM - 5:30 PM

Moderators:

Susan Lerner, MD, Mount Sinai Hospital, associate professor of surgery, New York, NY, USA

Darren Stewart, MS, United Network for Organ Sharing, Principal Research Scientist, Richmond, VA, USA

4:30 PM - 4:35 PM

Clinical Outcomes and Racial Impact of HLA Matching in the Australian Deceased Donor Kidney Transplantation Program, 2000-2018

M. Gramlick, M. Heer, Department of Surgery, John Hunter Hospital, Newcastle, Australia

4:35 PM - 4:40 PM

Allocating Kidneys in Optimized Circles: Logistics are More Important Than Distance

R. Saidi, R. Shahbazov, M. Hanlon, M.

laftavi, *SUNY Upstate, Syracuse, NY*

4:40 PM - 4:45 PM

Status of Kidney Allocation in Liver-kidney Transplants Before and After the UNOS/OPTN Policy

J. Oveyssi, M. Hussain, P. Homkralas, S. Bunnapradist, Department of Internal Medicine: Division of Transplant Nephrology, UCLA, Los Angeles, CA

4:45 PM - 4:50 PM

The Association Between Environmental Determinants and High KDRI Organ Offer Acceptance Ratios

A. M. Placona, C. Martinez, M. Stuart, United Network for Organ Sharing, Henrico, VA

4:50 PM - 4:55 PM

Kidney Transplantation in Very Highly-Sensitized Patients with Maastricht Type III Non-heart-Beating Donors

F. Villanego¹, A. Mazuecos¹, L. Vigar¹, V. Lopez², G. Bernal³, A. Rodriguez-Benot⁴, M. de Gracia⁵, P. Castro⁶, A. Alvarez⁶,
¹Department of Nephrology, Hospital Puerta del Mar, Cadiz, Spain, ²Department of Nephrology, Hospital Carlos Haya, Malaga, Spain, ³Department of Nephrology, Hospital Virgen del Rocío, Sevilla, Spain, ⁴Department of Nephrology, Hospital Reina Sofia, Cordoba, Spain, ⁵Department of Nephrology, Hospital Virgen de las Nieves, Granada, Spain, ⁶Andalusian Transplant Coordination, Sevilla, Spain

4:55 PM - 5:00 PM

Impact of CHA2DS2-VASc Score on Postoperative Mortality Following Kidney Transplant

J. Klein¹, M. Rangel¹, Z. Spigel², E. Hollinger¹, D. Olaitan¹, M. Hertl¹, E. Chan¹,
¹Surgery, Rush University Medical Center, Chicago, IL, ²Surgery, Allegheny Health Network, Pittsburgh, PA

5:00 PM - 5:05 PM

Renal Transplant Outcomes of Kidney-only

vs. Multi-organ Deceased Donors

J. Espinales¹, Z. C. Giffen¹, D. Schneider², R. James³, N. Koizumi³, O. Ekwenna¹, J. Ortiz⁴,
¹University of Toledo Medical Center, Toledo, OH, ²UC Irvine School of Medicine, Irvine, CA, ³George Mason University, Arlington, VA, ⁴Albany Medical Center, Albany, NY

5:05 PM - 5:10 PM

Construction of a Waiting Time Predictive Model for Kidney Transplant with Deceased Donor in the State of São Paulo

J. Silva¹, M. Contti¹, M. Valiatti¹, H. Nga¹, G. Santos¹, M. Perosa², G. Ferreira³, L. Modelli de Andrade¹, ¹UNESP, Botucatu, Brazil, ²Hospital Leforte, São Paulo, Brazil, ³Santa Casa de Juiz de Fora, Juiz de Fora, Brazil

5:10 PM - 5:30 PM

Live Video Question and Answer

Program Topic: Liver

Living Donor Liver Transplant and Partial Grafts

4:30 PM - 5:30 PM

Moderators:

Roberto Hernandez-Alejandro, MD,
University of Rochester Medical Center,
Professor of Surgery, Rochester, NY, USA
Tarunjeet Klair, M.D., University of Texas
Health San Antonio, Assistant Professor of
Surgery, Director Living Donor Liver
Transplantation, San Antonio, TX, USA

4:30 PM - 4:35 PM

Paired Exchanges in LDLT- A Good Option for Patients with Incompatible Donors

A. Humar, C. Hughes, G. Mazariegos, S. Kyle, A. Gallatin, K. Emmett, A. Tevar, M. Molinari, A. Ganoza, V. Gunabushanam, S. Ganesh, University of Pittsburgh, Pittsburgh, PA

4:35 PM - 4:40 PM

Impact of Advanced Renal Dysfunction on

Post-Transplant Outcomes After Living Donor Liver Transplantation in the United States

T. Bittermann¹, N. Kaur², P. L. Abt¹, K. M. Olthoff¹, J. K. Heimbach³, J. Emamaullee²,
¹University of Pennsylvania, Philadelphia, PA, ²University of Southern California, Los Angeles, CA, ³Mayo Clinic College of Medicine, Rochester, MN

4:40 PM - 4:45 PM

Impact of Community- Targeted Educational Campaign on Living Donor Transplants

S. Ganesh, A. Humar, Transplant, UPMC, Pittsburgh, PA

4:45 PM - 4:50 PM

Trends in Liver Donors for Liver Transplantation Over Twenty Years: Donor Changes in Gender, Relationships, and Education, but Racial Disparities Remain

A. Kaplan, B. Fortune, R. Brown, MD, MPH, B. Samstein, K. Halazun, R. Rosenblatt, Gastroenterology and Hepatology, New York Presbyterian/Weill Cornell, New York, NY

4:50 PM - 4:55 PM

The Impact of Splenectomy on Living Donor Liver Transplantation Using Small Grafts

M. Fujiki, E. Aleassa, C. Quintini, F. Aucejo, K. Sasaki, B. Egtesad, T. Diago, D. Kwon, C. Miller, K. Hashimoto, Cleveland Clinic Foundation, Cleveland, OH

4:55 PM - 5:00 PM

Re-Do Hepatic Artery Reconstruction for Thrombosis Can Save Grafts and Patients without Retransplantation: Lessons Learned from 1,355 Adult Living Donor Liver Transplantations

S. Hong, N. Yi, K. Hong, E. Han, S. Suh, J. Lee, S. Hong, Y. Choi, U. Jin, H. Chang, K. Lee, K. Suh, Seoul National University Hospital, Seoul, Korea, Republic of

5:00 PM - 5:05 PM

Death Among Living Liver Donors- Are We Overestimating the Risk?

H. J. Braun, A. M. Shui, N. L. Ascher, J. P.

Roberts, *University of California, San Francisco, San Francisco, CA*

5:05 PM - 5:10 PM

Liver Live Donor Champion: Advocacy Training to Facilitate Identification of Living Liver Donors

L. R. Herbst, Y. Yu, A. Love, K. Lee, A. Wells, K. Mohr, A. Massie, A. Gurakar, B. King, D. L. Segev, A. M. Cameron, J. Garonzik Wang, *Johns Hopkins University, Baltimore, MD*

5:10 PM - 5:30 PM

Live Video Question and Answer

Program Topic: Basic

Biomarkers, Immune Assessment and Clinical Outcomes - I

4:30 PM - 5:30 PM

Moderators:

Daniel Maluf, MD, *University of Maryland School of Medicine, Director, Program in Transplantation, Baltimore, MD, USA*
Lorenzo Gallon, MD, *Northwestern University, MD, Professor of Medicine, Chicago, IL, USA*

4:30 PM - 4:35 PM

A Single Nucleotide Polymorphism within the FCGR3A 158 F/V Gene is Associated with Decreased Survival of Renal Allografts with Chronic Active Antibody-Mediated Rejection
N. H. Litjens, A. M. Peeters, J. A. Kal-van Gestel, M. Klepper, M. G. Betjes, *Internal Medicine, Nephrology and Transplantation, Erasmus MC, University Medical Center, Rotterdam, Netherlands*

4:35 PM - 4:40 PM

T-cell-Mediated Immunity to Sars-cov-2 Defines Covid-19 Risk and Severity in Transplanted and Non-Transplanted Individuals and Associates with Myeloid-Derived Suppressor Cells
C. Ashokkumar¹, V. Rohan², A. H. Kroemer³,

S. Rao⁴, G. Mazariegos⁵, B. W. Higgs⁵, S. Nadig², M. Ningappa⁵, T. Fishbein³, S. Subramaniam⁶, R. Sindhi⁷, ¹Plexision, *Pittsburgh, PA*, ²Medical University of South Carolina, *Charleston, SC*, ³MedStar Georgetown Transplant Institute, *Georgetown, DC*, ⁴DHR Health Institute for Research and Development, *Texas, TX*, ⁵University of Pittsburgh, *Pittsburgh, PA*, ⁶University of California, *San Diego, CA*, ⁷University of Pittsburgh, *Pittsburgh, PA*

4:40 PM - 4:45 PM

Precision Medicine Tools in Kidney Transplant (KTx): Implications for Individualized Immunosuppression Therapy and Downstream Cost-savings

S. Anand, J. Sanchez-Garcia, L. Dong, M. Fife, J. Krong, D. Morris, T. Srinivas, *Intermountain Medical Center, Murray, UT*

4:45 PM - 4:50 PM

Characterisation of Distinct Graft Infiltrates Following Cellular Therapy in Kidney Transplant Recipients

M. O. Brook¹, P. N. Harden², I. Roberts², W. R. Mulley³, J. Hester¹, M. E. Reinders⁴, F. Issa¹, ¹Nuffield Department of Surgical Sciences, *University of Oxford, Oxford, United Kingdom*, ²Oxford University Hospitals NHS Foundation Trust, *Oxford, United Kingdom*, ³Department of Nephrology, *Monash Medical Centre, Melbourne, Australia*, ⁴Division of Nephrology and Transplant Center, *Leiden University Medical Center, Leiden, Netherlands*

4:50 PM - 4:55 PM

Integrative Analyses of Circulating Small Rnas and Paired Kidney Graft Transcriptome in Transplant Glomerulopathy

C. Kuscu¹, K. Manjari², M. Akram³, C. Kuscu⁴, A. Wolen⁴, A. Bajwa⁴, J. Eason⁴, D. G. Maluf⁵, V. Mas⁶, E. Akalin⁷, ¹Surgery, *James D Eason Transplant Institute, UTHSC, Memphis, TN*, ²Department of Systems and Computational Biology, *School of Life Sciences, University of Hyderabad,*

Hyderabad,, India, ³Center for Biomedical Informatics, University of Tennessee Health Science Center, Memphis, TN, ⁴Surgery, James D Eason Transplant Institute, Memphis, TN, ⁵Surgery, Program in Transplantation, University of Maryland, Baltimore, MD, ⁶Surgery, Division Surgical Science, University of Maryland, Baltimore, MD, ⁷Medicine, Montefiore Medical Center, Abdominal Transplant Program, Albert Einstein College of Medicine,, NYC, NY

4:55 PM - 5:00 PM

Utility of Follow-up Biopsies After Acute Rejection in Pediatric Kidney Transplantation

S. S. Raza¹, V. Hauptfeld-Dolejssek¹, F. Rosenblum¹, E. C. Mroczek-Musulman², D. R. Kelly², M. Seifert¹, ¹Department of Nephrology, UAB School of Medicine, Birmingham, AL, ²Children's of Alabama, Birmingham, AL

5:00 PM - 5:05 PM

The Gut Microbiome in Heart Transplantation: A Prospective Pilot Study

M. Dela Cruz¹, E. Littmann², R. Nayak², C. Lehmann², R. Keskey³, T. Baker³, H. Lin², A. Bennett¹, G. Kim¹, S. Pinney¹, E. Pamer², A. B. Nguyen¹, ¹Cardiology, University of Chicago, Chicago, IL, ²Medicine, University of Chicago, Chicago, IL, ³Surgery, University of Chicago, Chicago, IL

5:05 PM - 5:10 PM

Peripheral Blood Hematopoietic Chimerism: A Robust Biomarker for Transplantation Tolerance

D. Tollerud¹, E. Gornstein¹, J. Leventhal², K. V. Ravindra³, S. Ildstad¹, ¹Talaris Therapeutics, Louisville, KY, ²Division of Organ Transplantation, Northwestern Medical Group, Chicago, IL, ³Department of Surgery, Duke University Medical Center, Durham, NC

5:10 PM - 5:30 PM

Live Video Question and Answer

Program Topic: Heart

Heart: Triple "D" in Heart Transplantation: DCD, Dual-Organ and Declined Hearts

4:30 PM - 5:30 PM

Moderators:

Hannah Copeland, MD, Lutheran Hospital / Indiana University School of Medicine Fort Wayne, Surgical Director of Heart Transplant, MCS and Director of ECMO, FORT WAYNE, IN, USA

Jacob Schroder, MD, Duke University School of Medicine, Surgical Director, Heart Transplantation Program, Durham, NC, USA

4:30 PM - 4:35 PM

Steroid-free Immunosuppression in Heart-Kidney Transplant Patients: Is It Safe?

R. Skorka, J. Patel, M. Kittleson, N. Patel, T. Singer-Englar, A. Velleca, B. Azarbal, D. Chang, E. Kransdorf, L. Czer, D. Megna, J. A. Kobashigawa, Cedars-Sinai Smidt Heart Institute, Los Angeles, CA

4:35 PM - 4:40 PM

Adult Combined Liver-Heart Transplantation: The United States Experience

I. A. Ziogas¹, S. P. Alexopoulos¹, W. K. Wu¹, L. K. Matsuoka¹, M. A. Rauf¹, M. Izzy², R. Perri², K. H. Schlendorf³, J. N. Menachem³, A. S. Shah⁴, ¹Division of Hepatobiliary Surgery and Liver Transplantation, Vanderbilt University Medical Center, Nashville, TN, ²Department of Medicine, Division of Gastroenterology, Hepatology and Nutrition, Vanderbilt University Medical Center, Nashville, TN, ³Division of Cardiovascular Medicine, Vanderbilt University Medical Center, Nashville, TN, ⁴Department of Cardiac Surgery, Vanderbilt University Medical Center, Nashville, TN

4:40 PM - 4:45 PM

High Degree of Center Variation in Simultaneous Heart Kidney Transplant: Opportunities for Standardization

B. I. Shaw¹, M. L. Samoylova¹, S. J. Kesseli¹,
D. Olaso², A. S. Barbas¹, D. L. Sudan¹, L. E. Boulware³, L. M. McElroy¹, ¹*Surgery, Duke University, Durham, NC*, ²*School of Medicine, Duke University, Durham, NC*, ³*Medicine-Nephrology, Duke University, Durham, NC*

4:45 PM - 4:50 PM

Allograft Discard Risk Index for Heart Transplantation

R. M. Reul¹, A. A. Saleem¹, C. N. Keller¹, T. H. Malik¹, J. A. Goss², A. A. Rana², ¹*Office of Student Affairs, Baylor College of Medicine, Houston, TX*, ²*Michael E. DeBakey Department of Surgery, Baylor College of Medicine, Houston, TX*

4:50 PM - 4:55 PM

Waitlist and Post-Transplant Outcomes of Candidates With Lvad: Comparison of Old and New Heart Allocation Policies

M. Colvin¹, Y. Ahn², S. Hall³, M. Walsh⁴, A. Israni², ¹*Univ of Michigan, Ann Arbor, MI*, ²*SRTR, Minneapolis, MN*, ³*Baylor Univ, Dallas, TX*, ⁴*St. Vincent Heart Ctr, Indianapolis, IN*

4:55 PM - 5:00 PM

Liver Biopsy as a Predictor in Risk Stratification for Heart Transplant Candidates

S. Tolia¹, T. Al Saadi¹, N. Narang², A. Joshi², C. Sciamanna², S. Pauwaa², G. Macaluso², M. Dia², A. Tatoes³, P. Pappas³, W. Cotts², A. Andrade², ¹*Internal Medicine, Advocate Christ Medical Center, Oak Lawn, IL*, ²*Cardiology, Advocate Christ Medical Center, Oak Lawn, IL*, ³*Cardiovascular Surgery, Advocate Christ Medical Center, Oak Lawn, IL*

5:00 PM - 5:05 PM

Donor Factors Associated with In-field Decline of Heart Allografts

L. Piechura, F. Yazdchi, M. Harloff, H. Shim, M. Keshk, A. Coppolino, III, D. Rinewalt, H. Mallidi, *Brigham and Women's Hospital, Boston, MA*

5:05 PM - 5:10 PM

Waitlist and Post-Transplant Outcomes of Candidates with labp or Ecmo: Comparison of Old and New Heart Allocation Policies

M. Colvin¹, Y. Ahn², S. Hall³, M. Skeans², M. Walsh⁴, A. Israni², ¹*Univ of Michigan, Ann Arbor, MI*, ²*SRTR, Minneapolis, MN*, ³*Baylor Univ, Dallas, TX*, ⁴*St. Vincent Heart Ctr, Indianapolis, IN*

5:10 PM - 5:30 PM

Live Video Question and Answer

Saturday, June 5, 2021

Focus in TX

4:30 PM - 7:00 PM

Program Topic: Basic

Basic: New Roles of Secondary Immune Organs in Rejection

4:30 PM - 7:00 PM

Moderators:

Reza Abdi, MD, Brigham & Womens Hosp, Professor of Medicine, Boston, MA, USA

Daniel Streblow, PhD, Oregon Health and Science University, Professor, Beaverton, OR, USA

4:30 PM - 4:45 PM

Lymphatic Vessels Regulate Immune Microenvironments in Cancer and Infectious Immunity

Amanda Lund, PhD, NYU Grossman School of Medicine, Associate Professor, New York, NY, USA

4:45 PM - 5:00 PM

Sphingosine 1-Phosphate Receptors and Afferent Lymphatic Migration

Jonathan Bromberg, MD, PhD, University of Maryland School of Medicine, Professor of Surgery and Microbiology and Immunology, Baltimore, MD, USA

5:00 PM - 5:30 PM

Live Video Question and Answer

5:30 PM - 6:00 PM

Break

6:00 PM - 6:15 PM

DC Subset and Localization in the LN determines Tfh Priming

Stephanie Eisenbarth, MD PhD, Yale, Associate Professor, New haven, CT, USA

6:15 PM - 6:30 PM

The Role of BALT in Lung Transplant Rejection and Tolerance

Daniel Kreisel, MD, PhD, Washington University St Louis, Professor of Surgery, Pathology and Immunology, St. Louis, MO, USA

6:30 PM - 7:00 PM

Live Video Question and Answer

Break

5:30 PM - 6:00 PM

Rapid Fire Oral Abstract Sessions

6:00 PM - 7:00 PM

Program Topic: Liver

Liver Transplant Oncology

6:00 PM - 7:00 PM

Moderators:

Talia Baker, MD, Uchicago medicine, Director, Liver Transplant Oncology, Chicago, IL, USA

Varvara Kirchner, MD, University of Minnesota, Minneapolis, MN, USA

6:00 PM - 6:05 PM

Outcomes of Downstaging Hepatocellular Carcinoma (HCC) to within Milan Criteria Before Liver Transplantation (LT): A Multicenter Analysis of the "All-comers" Protocol

B. Natarajan¹, **P. Tabrizian²**, **M. Hoteit³**, **C. Frenette⁴**, **T. Ghaziani⁵**, **R. Dhanasekaran⁵**, **N. Parikh⁶**, **J. Guy⁷**, **A. Shui¹**, **S. Florman²**, **F. Yao¹**, **N. Mehta¹**, ¹UCSF, SF, CA, ²Mt Sinai, NY, NY, ³U Penn, Philadelphia, PA, ⁴Scripps, La Jolla, CA, ⁵Stanford, Palo Alto, CA, ⁶U Michigan, Ann Arbor, MI, ⁷CPMC, SF, CA

6:05 PM - 6:10 PM

Role of Baseline PD-1 Checkpoint Inhibitor Pathway Expression in Bridge to Liver Transplant Hepatocellular Carcinoma

K. Nunez, **T. Sandow**, **M. Hibino**, **A. Cohen**, **P. Thevenot**, *Ochsner Health, New Orleans, LA*

6:10 PM - 6:15 PM

NASH-Related HCC is Associated with Lower Rates of Post-Transplant HCC Recurrence: A Large Database Analysis

P. J. Altshuler, **R. Lamm**, **K. Patel**, **H. Dang**, **O. Shaheen**, **A. P. Shah**, **J. Glorioso**, **C. G. Ramirez**, **A. M. Frank**, **W. R. Maley**, **A. S. Bodzin**, *Department of Surgery, Thomas Jefferson University, Philadelphia, PA*

6:15 PM - 6:20 PM

Adjuvant Immunotherapy for Liver Transplant Recipients with Hepatocellular Carcinoma Using Donor Liver-derived Natural Killer Cells

M. Ohira¹, **R. Hotta¹**, **Y. Imaoka¹**, **K. Sato¹**, **N. Tanimine¹**, **Y. Tanaka¹**, **S. Nishida²**, **A. Tzakis²**, **H. Ohdan¹**, ¹Hiroshima University, Hiroshima, Japan, ²University of Miami, Miami, FL

6:20 PM - 6:25 PM

T Cell Repertoire Diversity in HCV-Associated Hepatocellular Carcinoma Patients Waitlisted for Liver Transplantation and Receiving Liver-Directed Therapy

K. Nunez, **T. Sandow**, **A. Cohen**, **P. Thevenot**, *Ochsner Health, New Orleans, LA*

6:25 PM - 6:30 PM

Living Donor Liver Transplant for Unresectable Colorectal Metastasis: A Case Series

B. Emmanuel, H. Al-Harakeh, A. Humar, C. Hughes, A. Tevar, M. Molinari, A. Ganoza, *Starzl Transplant Institute, UPMC, Pittsburgh, PA*

6:30 PM - 6:35 PM

Liver Transplantation for Unresectable Colorectal Cancer Liver Metastases: A Multicenter Experience

L. I. Ruffolo¹, K. Sasaki², K. Tomiyama¹, A. Nair¹, M. Orloff¹, B. Al-Judaibi³, M. Levstik³, M. Laryea³, K. Dokus¹, J. Errigo¹, A. Moro², C. Quintini², K. Hashimoto², M. Fujiki², K. Menon², C. Kwon², T. Diago Uso², R. Hernandez-Alejandro¹, F. Aucejo², ¹*Surgery, University of Rochester Medical Center, Rochester, NY*, ²*Surgery, The Cleveland Clinic Foundation, Cleveland, OH*, ³*Transplant Hepatology, University of Rochester Medical Center, Rochester, NY*

6:35 PM - 6:40 PM

Outcomes of Liver Transplantation for Combined Hepatocellular Cholangiocarcinoma: A Single-center Experience

Y. Liu¹, C. Hanlon¹, S. Zhou¹, D. Toy¹, K. King², K. Zhou³, J. Kahn³, L. Yuan³, ¹*Internal Medicine, USC Keck School of Medicine, Los Angeles, CA*, ²*Radiology, USC Keck School of Medicine, Los Angeles, CA*, ³*Internal Medicine - Gastrointestinal and Liver Disease, USC Keck School of Medicine, Los Angeles, CA*

6:40 PM - 7:00 PM

Live Video Question and Answer

Program Topic: Kidney

Pediatric Kidney

6:00 PM - 7:00 PM

Moderators:

Jaimie Nathan, MD, Cincinnati Children's Hospital Medical Center, Associate Professor of Surgery and Pediatrics, Cincinnati, OH,

USA

Patrick Healey, MD, Seattle Children's Hospital, Chief, Pediatric Transplant, Seattle, WA, USA

6:00 PM - 6:05 PM

Racial and Ethnic Disparities in Pediatric Kidney Transplantation - Has KAS Made a Difference?

O. Charnaya¹, S. Yu², A. Goldberg³, J. Garonzik-Wang², D. Segev², P. Verghese⁴, ¹*Pediatrics, Johns Hopkins University, Baltimore, MD*, ²*Transplant Surgery, Johns Hopkins University, Baltimore, MD*, ³*University of Manitoba, Winnipeg, MB, Canada*, ⁴*Northwestern University Feinberg School of Medicine, Chicago, IL*

6:05 PM - 6:10 PM

Hla Antigens and Recurrence of Focal Segmental Glomerulosclerosis in Pediatric Kidney Transplantation

B. I. Shaw¹, A. Ochoa², C. Chan², R. A. Gbadegesin³, A. M. Jackson¹, E. T. Chambers³, ¹*Surgery, Duke University, Durham, NC*, ²*Biostatistics and Bioinformatics, Duke University, Durham, NC*, ³*Pediatrics, Duke University, Durham, NC*

6:10 PM - 6:15 PM

Kidney Paired Donation in Pediatrics: An Underused Opportunity?

J. Smith¹, M. Skeans², R. Engen³, S. Bartosh⁴, ¹*Seattle Children's Hospital, Seattle, WA*, ²*SRTR, Minneapolis, MN*, ³*Lurie Children's Hospital, Chicago, IL*, ⁴*Univ of Wisconsin, Madison, WI*

6:15 PM - 6:20 PM

Drivers of Graft Failure in Pediatric Kidney Transplant Change Over Time

E. Benz¹, D. Schaubel², S. Amaral¹, ¹*Children's Hospital of Philadelphia, Philadelphia, PA*, ²*Department of Biostatistics, Epidemiology, and Informatics, University of Pennsylvania, Philadelphia, PA*

6:20 PM - 6:25 PM

Long Term Safety and Efficacy of Tocilizumab (anti-il6r, Tcz) Therapy in the Treatment of Refractory Chronic Antibody Mediated Rejection (cabmr) in 25 Pediatric Renal Transplant Recipients

M. Pearl¹, P. Weng¹, A. Dokras², H. Pizzo³, J. Garrison³, C. Butler¹, J. Q. Zhang¹, K. Lim³, E. Reed¹, I. Kim³, M. Haas³, X. Zhang³, R. Ettenger¹, S. Jordan³, D. Puliyanda³,
¹Pediatric Nephrology, UCLA Medical Center, Los Angeles, CA, ²Pediatric Nephrology, UT South Western, Dallas, CA, ³Pediatric Nephrology, Cedars Sinai Medical Center, West Hollywood, CA

6:25 PM - 6:30 PM

Leflunomide Therapy for Treatment of Bk Viremia in Pediatric Kidney Transplant Recipients

A. Aldieri¹, M. Chandran², D. Matossian³, B. Magella⁴, D. Lazear⁴, M. Bock², E. Blanchette², ¹Children's Hospital Colorado, Denver, CO, ²Children's Hospital Colorado, Aurora, CO, ³Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL, ⁴Cincinnati Children's Hospital Medical Center, Cincinnati, OH

6:30 PM - 6:35 PM

Risk Factors Predicting Outcomes in Long-Term Pediatric Kidney Transplant Graft Survival

A. Anand, T. H. Malik, J. Dunson, M. F. McDonald, C. R. Christmann, N. Nguyen Galvan, C. O'Mahony, J. A. Goss, P. R. Srivaths, E. D. Brewer, A. Rana, Baylor College of Medicine, Houston, TX

6:35 PM - 6:40 PM

Delayed Graft Function in Pediatric Living Donor Kidney Transplantation

M. MacConmara, J. Shah, L. de Gregorio, D. Desai, P. Vagefi, C. S. Hwang, Surgery, UT Southwestern Medical Center, Dallas, TX

6:40 PM - 7:00 PM

Live Video Question and Answer

Program Topic: Pancreas & Small Bowel

Pancreas & Small Bowel

6:00 PM - 7:00 PM

Moderators:

Alan Langnas, DO, University of Nebraska Medical Center, Professor of Surgery, Omaha, NE, USA

6:00 PM - 6:05 PM

Risk Factors for the Development of Posttransplant Lymphoproliferative Disorder (ptld) After Pancreas Transplantation- A Registry Analysis

A. Gruessner, S. Saggi, J. Renz, R. Gruessner, SUNY Downstate Medical Center, Brooklyn, NY

6:05 PM - 6:10 PM

Evaluation and Experience with Hepatitis C Positive to Negative Pancreas Transplantation

B. K. Lindner, B. Thomas, M. Cooper, S. Yi, P. Abrams, Medstar Georgetown University Hospital, Washington, DC

6:10 PM - 6:15 PM

Simultaneous Pancreas-kidney Transplantation (spk) and, Simultaneous Deceased Donor Pancreas and Living Donor Kidney Transplantation (splk) in Diabetic Patients with End Stage Renal Disease

Y. Ko, Department of Surgery, Asan Medical Center, Seoul, Korea, Republic of

6:15 PM - 6:20 PM

Outcomes of Simultaneous Pancreas-Kidney Transplants from Donation After Circulatory Death Donors in the UK: A National Registry Analysis

N. Karydis¹, M. Ibrahim², C. Counter², J. Casey³, P. Friend⁴, C. Watson⁵, C. Callaghan¹, ¹Nephrology and Transplantation, Guy's and St Thomas' NHS Foundation Trust, London, United Kingdom, ²NHS Blood and Transplant, Bristol, United Kingdom, ³Transplant Unit, Royal Infirmary of

Edinburgh, Edinburgh, United Kingdom,
⁴Nuffield Department of Surgical Sciences,
 University of Oxford, Oxford, United
 Kingdom, ⁵Department of Surgery,
 Addenbrooke's Hospital and Cambridge
 NIHR Biomedical Research Campus,
 Cambridge, United Kingdom

6:20 PM - 6:25 PM

Two Hundred Total Pancreatectomy with Islet Autotransplantation Cases: A Single Center Experience

K. Kumano¹, S. Bruer¹, G. Saracino¹, M. Lawrence¹, G. Testa¹, A. Gupta¹, N. Onaca¹, E. Beecher¹, M. F. Levy², B. Naziruddin¹,
¹Baylor University Medical Ctr, Dallas, TX,
²Virginia Commonwealth University,
 Richmond, VA

6:25 PM - 6:30 PM

Segmental Susceptibility of Intestinal Stem Cells to Cold Storage Preservation Injury in a Porcine Model

E. K. Ludwig¹, N. Abraham², D. Sudan², A. Barbas², C. Schaaf¹, J. Freund¹, A. S. Stewart¹, B. Veerasammy¹, L. M. Gonzalez¹,
¹North Carolina State University, Raleigh, NC, ²Duke University, Durham, NC

6:30 PM - 6:35 PM

Islet Allotransplantation Into Pre-vascularized Sernova Cell Pouch™ - Preliminary Results from the University of Chicago

P. J. Bachul¹, P. E. Borek¹, G. S. Generette¹, A. Perez-Gutierrez¹, K. Jayant¹, K. Golab¹, L. Basto¹, L. Perea¹, M. Tibudan¹, C. Thomas², L. Philipson², J. Fung¹, P. Witkowski¹,
¹Surgery, University of Chicago, Chicago, IL,
²Medicine, University of Chicago, Chicago, IL

6:35 PM - 6:40 PM

The Impact of Early Narcotic Administration on Intestinal Transplantation Survival at an Urban Medical Center

L. Maliekal¹, N. Beltran², Y. Muszkat², S. Nagai², S. Jafri², ¹School of Medicine, Wayne State University School of Medicine, Detroit, MI, ²Department of Gastroenterology, Henry

Ford Hospital, Detroit, MI

6:40 PM - 7:00 PM

Live Video Question and Answer

Program Topic: Kidney

Kidney: Cardiovascular and Metabolic Complications

6:00 PM - 7:00 PM

Moderators:

Mita Shah, MD, University of California San Diego, Medical Director, San Diego, CA, USA

Anita Mehrotra, MD, Lourdes Medical Associates Transplant Nephrology, Dr., Camden, NJ, USA

6:00 PM - 6:05 PM

Cognition After Belatacept Conversion (CAB) Trial

W. Asch¹, K. Belfield², V. Do², E. Cohen¹,
¹Yale University, New Haven, CT, ²Yale New Haven Hospital, New Haven, CT

6:05 PM - 6:10 PM

The Impact of 4-weeks of Supervised Exercise on Frailty and Lower Extremity (LE) Function in Patients with Advanced Chronic Kidney Disease (CKD)

E. Lorenz, L. Hickson, R. Weatherly, K. Thompson, M. Hogan, C. Kennedy, Mayo Clinic, Rochester, MN

6:10 PM - 6:15 PM

Growth Differentiation Factor 15 Predictor Value is Superior to Troponin I in the Evaluation of Kidney Transplant Candidates

M. de Cos Gomez¹, M. Garcia Unzueta², A. Benito Hernandez¹, J. Mazon Ruiz¹, M. Perez Arnedo¹, A. Aguilera Fernandez¹, R. Valero San Cecilio¹, J. Ruiz San Millan¹, E. Rodrigo Calabia¹, ¹Nephrology, Marques de Valdecilla University Hospital - IDIVAL, Santander, Spain, ²Clinical Analysis, Marques de Valdecilla University Hospital -

IDIVAL, Santander, Spain

6:15 PM - 6:20 PM

Intensive Blood Pressure Control Preserves Kidney Allograft Function

K. A. Agarwal¹, U. K. Agarwal², G. S. Silva³, K. J. Pollick³, M. Pavlakis¹, ¹*Transplant Institute, Beth Israel Deaconess Medical Center, Boston, MA*, ²*Biostatistics consultant, Boston, MA*, ³*Beth Israel Deaconess Medical Center, Boston, MA*

6:20 PM - 6:25 PM

Outcomes of Kidney Transplantation in Patients with Prosthetic Heart Valves

H. Ouahmi, *Nephrology, Dialysis, Transplantation, Nice University Hospital, Nice, France*

6:25 PM - 6:30 PM

Correlation of Coronary Anatomy and Interventions with Post-kidney Transplantation Outcomes

A. Sharma, T. Teigeler, D. Kumar, S. Moldowan, C. Bhati, G. Gupta, L. Kang, M. Levy, *Virginia Commonwealth University, Richmond, VA*

6:30 PM - 6:35 PM

Kidney Transplant Recipients Who Had Covid-19 Prior to Transplant: A Single-center Experience

S. Sultan, M. Aull, R. Craig-Schapiro, E. C. Liu, J. H. Lee, S. Kapur, *New York Presbyterian / Weill Cornell, New York, NY*

6:35 PM - 7:00 PM

Live Video Question and Answer

Program Topic: ID & COVID-19

COVID-19 in Kidney Recipients

6:00 PM - 7:00 PM

Moderators:

Paschalis Vergidis, MD, MSc, Mayo Clinic, Assistant Professor, Rochester, MN, USA
Deeksha Jandhyala, M.D., Medical

University of South Carolina, M.D., Assistant Professor of Medicine, Transplant Infectious Diseases, Charleston, SC, USA

6:00 PM - 6:05 PM

COVID-19 in the Kidney Transplant Waitlist Population

A. C. Johnson¹, C. P. Larsen¹, H. Gebel², R. Bray², ¹*Surgery, Emory University, Atlanta, GA*, ²*Pathology, Emory University, Atlanta, GA*

6:05 PM - 6:10 PM

Predictors of Severe Covid-19 in Kidney Transplant Recipients in the First and Second Waves: Analysis of the Spanish Registry

M. Crespo¹, A. Mazuecos², I. Pérez-Flores³, F. Moreso⁴, A. Andrés⁵, C. Jimenez⁶, M. Molina⁷, C. Canal⁸, L. Sánchez-Cámara⁹, S. Zárraga¹⁰, M. Ruiz Fuentes¹¹, M. Aladrén¹², E. Melilli¹³, V. López¹⁴, E. Sanchez¹⁵, J. Pascual for Spanish Nephro Society Covid-Registry¹, ¹*Nephrology, Hospital del Mar, Barcelona, Spain*, ²*Nephrology, Hospital Puerta del Mar, Cadiz, Spain*, ³*Nephrology, Hospital Clinico San Carlos, Madrid, Spain*, ⁴*Nephrology, Hospital Valle Hebrón, Barcelona, Spain*, ⁵*Nephrology, Hospital 12 Octubre, Madrid, Spain*, ⁶*Nephrology, Hospital La Paz, Madrid, Spain*, ⁷*Nephrology, Hospital Germans Trias i Pujol, Barcelona, Spain*, ⁸*Nephrology, Fundacio Puigvert, Barcelona, Spain*, ⁹*Nephrology, Hospital Gregorio Marañón, Madrid, Spain*, ¹⁰*Nephrology, Hospital de Cruces, Bilbao, Spain*, ¹¹*Nephrology, Hospital Virgen de las Nieves, Granada, Spain*, ¹²*Nephrology, Hospital Miguel Servet, Zaragoza, Spain*, ¹³*Nephrology and Kidney Transplantation, Hospital de Bellvitge, Barcelona, Spain*, ¹⁴*Nephrology, Hospital Regional de Málaga, Malaga, Spain*, ¹⁵*Nephrology, Hospital de Cabueñes, Gijon, Spain*

6:10 PM - 6:15 PM

SARS-CoV-2 Antibody Response After Induction Therapy in Kidney Transplant Recipients

M. Lubetzky¹, S. Sultan², Z. Zhao³, M. Cushing³, Z. Kapur¹, S. Albakry¹, N. Hauser¹, J. Marku-Podvorica¹, R. Craig-Schapiro², J. Lee¹, T. Salinas¹, M. Aull², S. Kapur², M. Suthanthiran¹, D. Dadhania¹, ¹Nephrology, Weill Cornell-NYPresbyterian, New York, NY, ²Transplant Surgery, Weill Cornell-NYPresbyterian, New York, NY, ³Pathology, Weill Cornell-NYPresbyterian, New York, NY

6:15 PM - 6:20 PM

Characterizing Kidney Transplant Recipients with SARS-CoV-2: An Academic Single Center Experience

S. Nahi, A. Shetty, S. Tanna, J. Leventhal, Northwestern University, Chicago, IL

6:20 PM - 6:25 PM

Prevalence and Dynamics of SARS-COV-2 IgG in Kidney Transplant Recipients

Y. Al Azzi, P. Loarte, C. Pynadath, O. Alani, L. Liriano-Ward, M. Ajaimy, R. Bartash, J. Graham, M. Le, H. Yaffe, S. Greenstein, J. Rocca, M. Kinkhabwala, E. Akalin, Montefiore Medical Center, New York, NY

6:25 PM - 6:30 PM

The Impact of Covid-19 in Kidney Transplant Recipients: A Systematic Review and Meta-analysis

J. Kumar¹, J. Pyda², I. Reccia³, F. Virdis⁴, P. Bachul¹, R. Barth¹, Y. Becker¹, J. Fung¹, P. Witkowski¹, ¹University of Chicago, Chicago, IL, ²Beth Israel, Boston, MA, ³Imperial College, London, United Kingdom, ⁴Royal London, London, United Kingdom

6:30 PM - 6:35 PM

Profile of SARS-CoV-2 Antibodies in Patients Awaiting Kidney Transplantation

L. Muir¹, A. Jaffer², C. Rees-Spear¹, V. Gopalan², F. Chang², G. Vaitkute¹, R. Fernando³, C. Roustan⁴, A. Rosa⁴, C. Earl⁴, A. Salama², P. Cherepanov⁴, L. E. McCoy¹, R. Motallebzadeh², ¹Institute of Immunity & Transplantation, University College London, London, United Kingdom, ²Nephrology & Transplantation, Royal Free London Hospital

NHS Trust, London, United Kingdom, ³Anthony Nolan Institute, Royal Free London Hospital NHS Trust, London, United Kingdom, ⁴The Francis Crick Institute, London, United Kingdom

6:35 PM - 6:40 PM

Modification in Immunosuppression Regimens to Safely Perform Kidney Transplants Amid the Covid-19 Pandemic

L. Von Stein, O. Witkowsky, L. Samidurai, K. Flores, M. Doraiswamy, T. Pesavento, P. Singh, The Ohio State University Wexner Medical Center, Columbus, OH

6:40 PM - 7:00 PM

Live Video Question and Answer

Program Topic: Lung

How to Expect the Unexpected-Incorporating Predictors into Lung Transplant Decision Making

6:00 PM - 7:00 PM

Moderators:

Hannah Mannem, MD, University of Virginia, Assistant Professor of Medicine, CHARLOTTESVILLE, VA, USA

Wayne Tsuang, MD MHS, Cleveland Clinic, Assistant Professor Medicine, Cleveland Clinic Lerner College of Medicine, Cleveland, OH, USA

6:00 PM - 6:05 PM

A Molecular Classifier Identifies Antibody-Mediated Rejection-Associated Changes in Lung Transplant Biopsies

K. S. Madill-Thomsen¹, K. M. Halloran², M. Parkes¹, P. F. Halloran¹, & the INTERLUNG Study Group³, ¹Alberta Transplant Applied Genomics Centre, Edmonton, AB, Canada, ²University of Alberta, Edmonton, AB, Canada, ³., AB, Canada

6:05 PM - 6:10 PM

Molecular Classifiers for Chronic Lung

Allograft Dysfunction Transbronchial and Mucosal Biopsies Predict Clinical CLAD and Graft Loss

M. D. Parkes¹, P. F. Halloran², K. M. Halloran³, & the INTERLUNG Study Group⁴,
¹Alberta Transplant Applied Genomics Centre, Edmonton AB, AB, Canada, ²Alberta Transplant Applied Genomics Centre, Edmonton, AB, Canada, ³University of Alberta, Edmonton AB, AB, Canada, ⁴., ., AB, Canada

6:10 PM - 6:15 PM

Assessing the Accuracy of the Lung Allocation Score

N. Dussault¹, W. Parker¹, R. Jablonski¹, E. Garrity¹, M. Churpek², ¹University of Chicago, Chicago, IL, ²University of Wisconsin-Madison, Madison, WI

6:15 PM - 6:20 PM

Liver Kinase B1 Knockdown Induces Platelet-Derived Growth Factor Receptor B Expression in Human Airway Epithelial Cells: A Potential Mechanism for Development of Fibrosis Leading to Chronic Lung Allograft Dysfunction

M. Rahman, J. Lee, R. Ravichandran, T. Fleming, M. Smith, R. Bremner, T. Mohanakumar, St. Joseph's Hospital and Medical Center, Phoenix, AZ

6:20 PM - 6:25 PM

Allograft Discard Risk Index for Lung Transplantation

R. M. Reul, G. Loo, P. S. Garcha, A. A. Rana, Baylor College of Medicine, Houston, TX

6:25 PM - 6:30 PM

Perioperative Blood Transfusion is Associated with the Development of New HLA Antibodies After Adult Lung Transplantation

A. Hicks¹, A. Stoker², M. Cooter², A. Ali³, J. Klapper⁴, J. Poisson⁵, D. Chen⁵, J. Haney⁴, K. Ghadimi², M. Hartwig⁴, I. Welsby², B. Bottiger², ¹Anesthesiology, Duke University Hospital, South Portland, ME,

²Anesthesiology, Duke University Hospital, Durham, NC, ³Pulmonology, Allergy and Critical Care Medicine, Duke University Hospital, Durham, NC, ⁴Cardiothoracic Surgery, Duke University Hospital, Durham, NC, ⁵Pathology, Duke University Hospital, Durham, NC

6:30 PM - 6:35 PM

A Randomized, Multicenter, Blinded Study Assessing the Effects of Gaseous Nitric Oxide in an Ex Vivo System of Human Lungs

M. G. Hartwig¹, J. A. Klapper¹, N. Poola², A. Banga³, P. G. Sanchez⁴, J. S. Murala³, J. L. Potenziano², ¹Duke University Medical Center, Durham, NC, ²Mallinckrodt Pharmaceuticals, Bedminster, NJ, ³University of Texas Southwestern Medical Center, Dallas, TX, ⁴University of Pittsburgh Medical Center, Pittsburgh, PA

6:35 PM - 6:40 PM

Outcomes of Cytomegalovirus Status Determining Induction Therapy in Lung Transplant

K. Heagler¹, J. Lyons¹, B. Bemiss², P. Stracener¹, ¹Pharmacy, Loyola University Medical Center, Maywood, IL, ²Loyola University Medical Center, Maywood, IL

6:40 PM - 7:00 PM

Live Video Question and Answer

Break

7:00 PM - 7:30 PM

Sponsor Networking

7:30 PM - 8:30 PM

Sponsor Networking

Poster Video Chat Sessions

7:30 PM - 8:30 PM

Program Topic: Basic

Biomarkers, Immune Assessment and Clinical Outcomes

7:30 PM - 8:30 PM

Moderators:

Alessandro Alessandrini, PhD,
 Massachusetts General Hospital, Harvard,
 Assistant Professor, Boston, MA, USA
Sunil Kurian, PhD, Scripps Health,
 Research Scientist, LA JOLLA, CA, USA

7:30 PM - 7:40 PM

Utility of Screening-Bead Assay in Post-Transplant Testing of Donor-Specific Antibodies (DSA) and Antibody-mediated Rejection (ABMR) in Renal Allografts

A. Agrawal¹, E. Dijke², A. Murray³, P. Campbell³, ¹Transplant Nephrology, Mayo Clinic, Rochester, MN, ²Lab. Medicine and Pathology, University of Alberta Hospital, Edmonton, AB, Canada, ³Division of Nephrology, Dept. of Medicine, University of Alberta Hospital, Edmonton, AB, Canada

7:40 PM - 7:50 PM

A Multimodal Interrogation of Human Renal Allografts

D. Dadhania¹, R. Ding¹, H. Xu², C. Lee¹, C. Snopkowski¹, T. Salinas¹, T. Muthukumar¹, J. Lee¹, R. Woodward², M. Grskovic², S. Dholakia², M. Suthanthiran¹, ¹Weill Cornell Medicine - NYPH, New York, NY, ²CareDx, New York, NY

7:50 PM - 8:00 PM

A Patient-Centered Perspective on Progress in Transplantation

B. Hickner¹, N. Galvan², R. Cotton², C. O'Mahony², J. Goss², A. Rana², ¹Department of Student Affairs, Baylor College of Medicine, Houston, TX, ²Department of Surgery, Baylor College of Medicine, Houston, TX

8:00 PM - 8:10 PM

Peripheral Blood Inflammatory Chemokines Uncover Rejection in the Absence of Histological Lesions

E. Van Loon¹, T. Barba², B. Lamarthée¹, A. Senev¹, O. Thaumat², D. Schols³, M. Naesens¹, ¹Microbiology, Immunology and Transplantation, KU Leuven, Leuven, Belgium, ²Department of Transplantation, Nephrology and Clinical Immunology, Edouard Herriot Hospital Lyon, Lyon, France, ³Laboratory of Virology and Chemotherapy, KU Leuven, Leuven, Belgium

8:10 PM - 8:30 PM

Live Video Question and Answer

Program Topic: Kidney

Kidney Deceased Donor Allocation 1

7:30 PM - 8:30 PM

Moderators:

Joshua Weiner, MD, Columbia University Irving Medical Center, Assistant Professor of Surgery, New York, NY, USA
Stuart Flechner, MD FAST, Cleveland Clinic Lerner College of Medicine, Professor of Surgery, Cleveland, OH, USA

7:30 PM - 7:40 PM

Donor-Recipient BSA Matching is Prognostically Significant in Solitary and En-bloc Kidney Transplantation from Pediatric Circulatory Death Donors

C. J. Little, A. A. Dick, J. D. Perkins, J. D. Reyes, Department of Surgery, University of Washington, Seattle, WA

7:40 PM - 7:50 PM

Characterizing the Early Impact of the Kidney Accelerated Placement Project on Hard-to-place Kidneys

J. D. Motter, A. Kernodle, M. Levan, D. Segev, J. Garonzik-Wang, A. Massie, Johns Hopkins University, Baltimore, MD

7:50 PM - 8:00 PM

Comparison of Outcomes of Hepatitis C Virus

**(hcv) Nucleic Acid (nat) Positive Donor
Between Hcv-naïve and Hcv + Recipients - A
Donor Mate Analysis**

J. Kamal, B. Sharma, A. Doyle, A. Kumar, A.
Nishio-Lucar, S. Rao, *University of Virginia,
Charlottesville, VA*

8:00 PM - 8:10 PM

**Centers Avoided 67% of Kidney Offers by
Participating in the OPTN's Multifactorial
Offer Filter Pilot Project**

A. Toll, H. McGehee, D. Stewart, R. McTier,
*Research, United Network for Organ
Sharing, Richmond, VA*

8:10 PM - 8:20 PM

**Can Procurement Biopsy Data Tell Us
Anything? The Influence of
Glomerulosclerosis on Long-term Kidney
Graft Survival**

D. Stewart¹, L. Kamal², J. Foutz³, H.
McGehee³, P. Saravanane², S. Yu², R.
Yousfi², G. Gupta², *¹United Network for
Organ Sharing, Richmond, VA, ²Virginia
Commonwealth University Health, Richmond,
VA, ³Research, United Network for Organ
Sharing, Richmond, VA*

8:20 PM - 8:30 PM

Live Video Question and Answer

Program Topic: Heart

Heart/LVAD: All Topics

7:30 PM - 8:30 PM

Moderators:

Leway Chen, MD, MPH, U of Rochester
Medical Center, Medical Director, Advanced
Heart Failure Program, Rochester, NY, USA

7:30 PM - 7:40 PM

**Clinical Features and Outcomes of
Candidemia in Patients with Left Ventricular
Assist Devices**

G. Krishnan, Y. Hamad, I. George, *Infectious
Diseases, Washington University School of
Medicine, St Louis, MO*

7:40 PM - 7:50 PM

**Significance of Repeated 1r Rejections in
Heart Transplantation**

C. Hsueh¹, L. Wilson², L. Bow², L.
Bellumkonda², *¹Yale New Haven Hospital,
New Haven, CT, ²Yale University School of
Medicine, New Haven, CT*

7:50 PM - 8:00 PM

**When is the Optimal Time to Initiate the
Renal-Sparing Protocol with Calcineurin
Inhibitor Withdrawal?**

N. Patel, M. Kittleson, J. Patel, T. Singer-
Englar, S. Kim, D. Chang, B. Azarbal, A.
Nikolova, L. Czer, F. Esmailian, J. A.
Kobashigawa, *Cedars-Sinai Smidt Heart
Institute, Los Angeles, CA*

8:00 PM - 8:10 PM

**Are Pre-Transplant Diabetics on ACE
Inhibitors at Risk for More Renal Dysfunction
After Heart Transplantation?**

M. Kittleson, J. Patel, D. Chang, N. Patel, S.
Kim, T. Singer-Englar, R. Skorka, A. Hage, L.
Czer, F. Esmailian, J. A. Kobashigawa,
*Cedars-Sinai Smidt Heart Institute, Los
Angeles, CA*

8:10 PM - 8:20 PM

**Management of Drug Interactions During
Protocolized Implementation of Posaconazole
Immediately Post Heart Transplant**

G. Waldman, C. Rogers Marks, J. Clark, A.
Woo, L. Irwin, A. Gerlach, G. D. Lewis, J. A.
Fishman, *Massachusetts General Hospital,
Boston, MA*

8:20 PM - 8:30 PM

Live Video Question and Answer

Program Topic: Pancreas & Small Bowel

Pancreas & Small Bowel

7:30 PM - 8:30 PM

Moderators:

Stephanie Yi, MD, MPH, Houston Methodist Hospital, transplant surgeon, Houston, TX, USA

Kishore Iyer, FACS, MBBS, FRCS, MOUNT SINAI HOSPITAL/ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI, Professor of Surgery & Pediatrics, New York, NY, USA

7:30 PM - 7:40 PM

Do Pretransplant C-peptide Levels Influence Outcomes in Simultaneous Pancreas-Kidney Transplantation? A Matched Case-Control Study

K. B. Gurung, V. Gurram, J. Rogers, A. C. Farney, G. Orlando, C. L. Jay, A. Reeves-Daniel, A. Mena-Gutierrez, N. Sakhovskaya, W. Doares, S. Kaczorski, M. D. Gautreaux, R. J. Stratta, *Abdominal Transplant Surgery, Wake Forest Baptist Medical Center, Winston-Salem, NC*

7:40 PM - 7:50 PM

Peri-covid Trends on the Intestinal Transplant Waiting List

M. L. Samoylova¹, S. Jafri², M. I. Fiel³, S. Horslen⁴, A. Mavis⁵, T. Schiano⁶, B. Summers⁷, M. C. Segovia⁸, ¹*Surgery, Duke University, Durham, NC*, ²*Gastroenterology and Hepatology, Henry Ford Hospital, Detroit, MI*, ³*Pathology, Mount Sinai, New York, NY*, ⁴*Transplantation, Seattle Children's Hospital, Seattle, WA*, ⁵*Pediatric Gastroenterology, Duke University, Durham, NC*, ⁶*Hepatology, Mount Sinai Medical Center, New York, NY*, ⁷*Pharmacy, Henry Ford Hospital, Detroit, MI*, ⁸*Gastroenterology, Duke University, Durham, NC*

7:50 PM - 8:00 PM

Prevalence of Diabetic Changes on Kidney Allograft Biopsies of Normoglycemic Simultaneous Pancreas-Kidney Transplant Recipients

C. Mejia, G. Giannini, D. C. Brennan, A. Rosenberg, S. Alasfar, *Johns Hopkins University, Baltimore, MD*

8:00 PM - 8:10 PM

Evaluation of Preperitoneal Space as an Extrahepatic Transplant Site in Clinical Total Pancreatectomy with Islet Autotransplantation

K. Kumano, B. Naziruddin, S. Bruer, G. Saracino, M. Lawrence, G. Testa, A. Gupta, E. Beecherl, N. Onaca, *Baylor University Medical Ctr, Dallas, TX*

8:10 PM - 8:20 PM

Simultaneous Pancreas-Kidney Transplantation in Caucasian versus African American Patients: Does Recipient Ethnicity Influence Outcomes?

J. Rogers¹, A. Farney², G. Orlando², C. Jay², K. Gurung², B. Sharda², A. Reeves-Daniel³, A. Mena-Gutierrez³, N. Sakhovskaya³, W. Doares⁴, S. Kaczorski⁴, M. Magid⁴, M. Gautreaux², R. Stratta², ¹*Wake Forest Baptist Medical Center, Winston-Salem, NC*, ²*Department of Surgery, Wake Forest Baptist Medical Center, Winston-Salem, NC*, ³*Internal Medicine, Wake Forest Baptist Medical Center, Winston-Salem, NC*, ⁴*Department of Pharmacy, Wake Forest Baptist Medical Center, Winston-Salem, NC*

8:20 PM - 8:30 PM

Live Video Question and Answer

Program Topic: VCA

VCA: Basic and Clinical

7:30 PM - 8:30 PM

Moderators:

Mark Wakefield, MD, University of Missouri, Associate Professor and Program Director, Columbia, MO, USA

7:30 PM - 7:40 PM

A Delphi Panel to Develop Public Educational Materials About Vascular Composite Allotransplantation (VCA)

C. Sidoti¹, A. Ferzola², H. Sung², S. Rasmussen², E. Gordon³, N. Anderson³, J. Uriarte³, C. Cooney⁴, G. Brandacher⁴, M.

Levan², ¹Department of Surgery, Johns Hopkins School of Medicine, East Islip, NY, ²Department of Surgery, Johns Hopkins School of Medicine, Baltimore, MD, ³Department of Surgery, Northwestern University Feinberg School of Medicine, Chicago, IL, ⁴Department of Plastic and Reconstructive Surgery, Johns Hopkins School of Medicine, Baltimore, MD

7:40 PM - 7:50 PM

Trends in Vascularized Composite Allograft (VCA) Waiting List and Transplant Activity in the U.S

J. Wainright¹, K. Swanner², W. Cherikh¹, D. Klassen³, ¹Research, UNOS, Richmond, VA, ²Policy and Community Relations, UNOS, Richmond, VA, ³Office of the Chief Medical Officer, UNOS, Richmond, VA

7:50 PM - 8:30 PM

Live Video Question and Answer

Break

8:30 PM - 8:45 PM

Break

Expert VIP Meet Up Sessions

8:45 PM - 9:30 PM

Program Topic: Pharmacy

Using Motivational Interviewing to Identify and Overcome Barriers to Adherence

8:45 PM - 8:55 PM

Using Motivational Interviewing to Identify and Overcome Barriers to Adherence

Michael Stawnychy, PhD, University of Pennsylvania, Robert Wood Johnson Foundation Future of Nursing Scholar, Philadelphia, PA, USA

9:05 PM - 9:30 PM

Live Video Question and Answer

Program Topic: Women's Health

Uterus Transplantation - Meet the New Kid on the Block

8:45 PM - 9:30 PM

Moderators:

Andreas Tzakis, MD, Cleveland Clinic, Emeritus Director Transplantation Enterprise, Cleveland, OH, USA

Giuliano Testa, MD, FACS, MBA, Simmons Transplant Institute, MD, Dallas, TX, USA

8:45 PM - 8:55 PM

Uterus Donors - Living, Diseased, and Selection

Liza Johannesson, MD, PhD, Baylor University Medical Center, Medical Director, Uterus Transplantation, Dallas, TX, USA

8:55 PM - 9:05 PM

Filling Knowledge Gaps with Uterus Transplantation Research

Paige Porrett, MD, PhD, University of Alabama at Birmingham, Associate Professor of Surgery; Director of VCA Transplantation at UAB, Birmingham, AL, USA

9:05 PM - 9:15 PM

Uterus Reproductive Endocrinology and Supply/Demand for Uterus Transplantation

Cristiano Quintini, MD, Cleveland Clinic, Director, Uterus Transplantation, Cleveland, OH, USA

9:15 PM - 9:30 PM

Live Video Question and Answer

Program Topic: Liver

The Role of Exercise in Advanced Liver Disease

8:45 PM - 9:30 PM

Moderators:

Puneeta Tandon, MD, FRCP(C), MSc, University of Alberta, Associate Professor,

Edmonton, AB, Canada
Jennifer Lai, MD/MBA, University of California, San Francisco, Exercise in Liver Transplantation, San Francisco, CA, USA

8:45 PM - 8:55 PM

The Exercise Prescription in ESLD: Establishing a Prehabilitation Program
Andres Duarte-Rojo, MD MS DSc, University of Pittsburgh Medical Center, Pittsburgh, PA, USA

8:55 PM - 9:05 PM

Impact of Frailty and Sarcopenia on Pre- and Post-transplant Outcomes
Elizabeth Carey, MD, Mayo Clinic Scottsdale, Phoenix, AZ, USA

9:05 PM - 9:15 PM

When and How to Provide Specialized Nutritional Support
Jeanette Hasse, PhD, RD, Baylor University Medical Center, Transplant Nutrition Manager, Dallas, TX, USA

9:15 PM - 9:30 PM

Live Video Question and Answer

Program Topic: Heart & Lung

Complex Thoracic Desensitization Cases: What makes Sense?

8:45 PM - 8:55 PM

Complex Desensitization Cases
Jon Kobashigawa, MD, Cedars-Sinai Smidt Heart Institute, Director, Cedars-Sinai Heart Transplant Program, Los Angeles, CA, USA

8:55 PM - 9:05 PM

Complex Desensitization Cases
Anat Tambur, PhD, DMD, Northwestern University, Chicago, IL, USA

9:05 PM - 9:15 PM

Complex Desensitization Cases
Ramsey Hachem, MD, Washington

University of St. Louis, Professor of Medicine, St. Louis, MO, USA

9:15 PM - 9:30 PM

Live Video Question and Answer

Program Topic: Pediatric

Recurrent Disease in Pediatric Transplantation

8:45 PM - 9:30 PM

Moderators:

Sharad Wadhwani, MD MPH, University of California San Francisco, Assistant Professor of Pediatrics, Oakland, CA, USA
Daniella Levy Erez, MD MTR, Schneider Children's Medical Center, Israel, Attending Physician, Petach Tikva, Israel

8:45 PM - 8:55 PM

Non Pharmacologic Strategies to Prevent Recurrent Kidney Disease
Priya Verghese, MD, MPH, Ann & Robert H. Lurie Children's Hospital of Chicago, Professor, Division Head, Chicago, IL, USA

8:55 PM - 9:05 PM

Therapeutic Advancements for the Pharmacologic Management of Recurrent Disease
Michael Somers, MD, Boston Children's Hospital, Associate Chief, Division of Nephrology, Boston, MA, USA

9:05 PM - 9:15 PM

Recurrent Diseases in Pediatric Transplantation: Who, What, and Why
Sharon Bartosh, MD, University of Wisconsin, Professor of Pediatrics, Madison, WI, USA

9:15 PM - 9:30 PM

Live Video Question and Answer

Program Topic: Kidney

What is the Big Deal with a Little Fatty Liver in a Living Kidney Donor Candidate?

8:45 PM - 9:30 PM

Moderators:

Vineeta Kumar, MD, University of Alabama At Birmingham, Professor of Medicine, Endowed Professor in Transplant Nephrology, Birmingham, AL, USA

AnnMarie Liapakis, MD, Yale School of Medicine, Digestive Disease, Medical Director Living Donor Liver Transplant Yale New Haven Transplantation Center, NEW HAVEN, CT, USA

8:45 PM - 8:55 PM

Non-alcoholic Fatty Liver Disease and Chronic Kidney Disease

William Asch, MD, PhD, Yale New Haven Transplantation Center, Associate Professor of Medicine and Surgery, New Haven, CT, USA

8:55 PM - 9:05 PM

Non-alcoholic Fatty Liver Disease: Update for the Non-hepatologist

Wajahat Mehal, MD, PhD, Yale School of Medicine

9:05 PM - 9:30 PM

Live Video Question and Answer

Program Topic: Public Policy

The Practical Implementation of Imminent Death Donation

8:45 PM - 9:30 PM

Moderators:

Paul Morrissey, MD, Rhode Island Hospital, Professor of Surgery, Providence, RI, USA

Joshua Mezrich, MD, University of Wisconsin, X, Madison, WI, USA

8:55 PM - 9:05 PM

What are the Barriers to Implementation of

Imminent Death Donation

N. Thao Galvan, MD, MPH, FACS, Baylor College of Medicine, Assistant Professor, Houston, TX, USA

8:45 PM - 8:55 PM

Engaging the Stakeholders that Need to be Involved with the Development of Imminent Death Donation

Kevin Myer, MSHA, LifeGift, CEO, Houston, TX, USA

9:05 PM - 9:15 PM

The Practical Implementation of Imminent Death Donation

Tim Pruett, MD, University of Minnesota, Professor of Surgery and Internal Medicine, Minneapolis, MN, USA

9:15 PM - 9:30 PM

Live Video Question and Answer

Program Topic: Other

"Check with your PCP..." - Primary Care for the Transplant Provider

8:45 PM - 9:30 PM

Moderators:

Nicholas Lim, MD, University of Minnesota, Assistant Professor of Medicine, Minneapolis, MN, USA

8:55 PM - 9:05 PM

Update in Cancer Screening for SOT Patients

Tanya Melnik, MD, University of Minnesota, Assistant Professor, Minneapolis, MN, USA

8:45 PM - 8:55 PM

Diabetes in the Health of the SOT Patient

Ann Hackett, APRN, Vanderbilt University, APRN, Nashville, TN, USA

9:05 PM - 9:15 PM

Vaccination of the SOT Patient

Emily Blodgett, MD MPH, University of Southern California, Associate Professor of Clinical Medicine, Los Angeles, CA, USA

9:15 PM - 9:30 PM

Live Video Question and Answer

Program Topic: Liver

The Kidney in Liver Disease

8:45 PM - 9:30 PM

Moderators:

Josh Levitsky, MD, MS, northwestern, Professor of Medicine, Chicago, IL, USA

Marina Serper, MD, MS, UPenn, Assistant Professor of Medicine, Philadelphia, PA, USA

8:45 PM - 8:55 PM

Re (de) fining the Role of Renal Replacement Therapy in Liver Disease

Mitra Nadim, MD, University of Southern California, Professor of Clinical Medicine, Los Angeles, CA, USA

8:55 PM - 9:05 PM

Adding Insult to Injury: Role of Biomarkers in Acute Kidney Injury and Dual Organ Transplantation

Claire Francoz, Beaujon Hospital

9:05 PM - 9:15 PM

End of Road for Serum Creatinine? Time to Revise the MELD Score

Sumeet Asrani, MD MSc, Baylor University Medical Center, Transplant Hepatology, Dallas, TX, USA

9:15 PM - 9:30 PM

Live Video Question and Answer

Program Topic: Kidney

Cytomegalovirus Prevention: Best Practices and Emerging Innovations

8:45 PM - 9:30 PM

Moderators:

Abhijit (Ajit) Limaye, MD, University of

Washington, Professor of Medicine, Seattle, WA, USA

Jonathan Maltzman, MD, PhD, FAST, Stanford University, Associate Professor, Palo Alto, CA, USA

8:45 PM - 8:55 PM

CMV Serostatus and Outcomes in Kidney Transplantation

Martha Pavlakis, MD, FAST, FASN, Beth Israel Deaconess Medical Center, Medical Director, Kidney and Pancreas Transplantation, Boston, MA, USA

8:55 PM - 9:05 PM

An Economic Analysis of CMV Seromatching in Kidney Transplantation

David Axelrod, MD, MBA, University of Iowa, Professor of Surgery, Iowa City, IA, USA

9:05 PM - 9:15 PM

CMV Matching in Deceased Donor Kidney Transplantation: Waitlist and Patient Outcomes

Joe Lockridge, MD, Portland VA - Oregon Health and Sciences University, CMV Matching in Deceased Donor Kidney Transplantation: Waitlist and Patient Outcomes, Portland, OR, USA

9:15 PM - 9:30 PM

Live Video Question and Answer

Program Topic: Small Bowel

Quality of Life after Intestine Transplant

8:45 PM - 9:30 PM

Moderators:

David Mercer, MD, FRCS, PhD, University of Nebraska Medical Center, Professor of Surgery, Omaha, NE, USA

Mercedes Martinez, MD, Columbia University, Associate Professor of Pediatric and Medicine, New York, NY, USA

8:45 PM - 8:50 PM

Pain management after intestine transplant – the pharmacist perspective

Bryant Summers, Pharm D, Henry Ford Hospital, Transplant Pharmacist, Detroit, MI, USA

8:50 PM - 8:55 PM

Psychological obstacles in adults after intestine transplant

Benson Hoffman, Ph.D., Duke University, Associate Clinical Professor of Psychiatry and Behavioral Sciences, Durham, NC, USA

8:55 PM - 9:00 PM

Growth and socialization in children after intestine transplant

Jennifer Garcia, MD, Miami Transplant Institute, University of Miami, Medical Director, Adult and Pediatric Intestinal Transplant, Miami, FL, USA

9:00 PM - 9:30 PM

Live Video Question and Answer

Program Topic: Prof Develop

Real Talk: Process and Strategy for Clinical Trial Grant Writing

8:45 PM - 9:30 PM

Moderators:

Norah Terrault, MD, MPH, University of Southern California, Professor of Medicine, Los Angeles, CA, USA

Mark Stegall, MD, Mayo Clinic, Rochester, MN, USA

8:45 PM - 8:55 PM

Formulating the Question

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

8:55 PM - 9:05 PM

Partnerships and Collaborations with Other Centers

Sandy Feng, MD, PhD, University of

California San Francisco, San Francisco, CA, USA

9:05 PM - 9:15 PM

The NIH Perspective

Nancy Bridges, MD, NIAID/NIH, Branch Chief and Senior Scientific Officer, Potomac, MD, USA

9:15 PM - 9:30 PM

Live Video Question and Answer

Program Topic: Pancreas & Prof Develop

Expanding your Pancreas Transplant Program

8:45 PM - 8:50 PM

Expanding Your Pancreas Transplant Program

Kunam Reddy, MD, Mayo Clinic Arizona, Professor, Mayo Clinic School of Medicine, Phoenix, AZ, USA

8:50 PM - 8:55 PM

Expanding Your Pancreas Transplant Program

Raja Kandaswamy, MD, FACS, University of Minnesota, Professor of Surgery, Minneapolis, MN, USA

8:55 PM - 9:00 PM

Expanding Your Pancreas Transplant Program

George Burke, MD, Univ of Miami School of Medicine, Professor of Surgery, Miami, FL, USA

9:00 PM - 9:30 PM

Live Video Question and Answer

Program Topic: ID

Controversies and Updates in

Management of Hepatitis B Virus in Solid Organ Transplantation

8:45 PM - 9:30 PM

Moderators:

Kapil Saharia, M.D., University of Maryland School of Medicine, Assistant Professor, Baltimore, MD, USA

Nicole Theodoropoulos, MD, MS, University of Massachusetts Medical School, Associate Professor, Worcester, MA, USA

8:45 PM - 8:50 PM

Controversies and Updates in HBV Management

Josh Levitsky, MD, MS, northwestern, Professor of Medicine, Chicago, IL, USA

8:50 PM - 8:55 PM

Pro: Use of HBsAg Positive Donors - Safe Expansion of the Donor Pool

Paolo Antonio Grossi, MD, PhD, University of Insubria, Professor of Infectious Diseases, Varese, Italy

8:55 PM - 9:00 PM

Con: HBsAg Positive Donors: Too much risk for HBV Negative Recipients

Karen Doucette, MD, MSc, University of Alberta, Professor of Medicine, Edmonton, AB, Canada

9:00 PM - 9:30 PM

Live Video Question and Answer

Program Topic: Liver

Minimal Invasive Surgery in Living Donor Liver Transplantation

8:45 PM - 9:30 PM

Moderators:

Dean Kim, MD FACS, Henry Ford Health System, Surgical Director, Kidney and Pancreas Transplantation, Detroit, MI, USA

David Mulligan, MD FACS, FAASLD, FAST, Yale University/Yale New Haven Health System, Professor and Chair, Transplantation and Immunology, New Haven, CT, USA

8:45 PM - 8:55 PM

How To Incorporate Advanced Minimal Invasive Technique In A Transplant Program and Training Tools

Atsushi Yoshida, MD, FACS, Henry Ford Hospital, Detroit, MI, USA

8:55 PM - 9:05 PM

Minimal Invasive Live Donor Hepatectomy : Laparoscopic Approach

Benjamin Samstein, MD, Weill Cornell Medical Center, Chief of Liver Transplantation, New York, NY, USA

9:05 PM - 9:15 PM

Minimal Invasive Live Donor Hepatectomy : Robotic Approach

Yee Lee J. Cheah, MD, Lahey Hospital & Medical Center, Director, Living Donor Liver Transplantation, Burlington, MA, USA

9:15 PM - 9:30 PM

Live Video Question and Answer

Sunday, June 6, 2021

Welcome

8:45 AM - 9:00 AM

IMPACT Sessions

9:00 AM - 10:00 AM

Program Topic: Pediatric

What is This Spot on My.....? What Every Transplant Physician should know about Treating Skin Problems in Pediatric Transplant Patients

9:00 AM - 10:00AM

Moderators

Joshua Blatter, MD, MPH, Washington University School of Medicine in St. Louis, Assistant Professor, Saint Louis, MO, USA
Cadence Kuklinski, DO, Washington University, Saint Louis, MO, USA

9:00 AM - 9:10 AM

It's Spreading: Common Infectious Skin Lesions after Transplantation

Bernard Cohen, MD, Johns Hopkins University, Professor of Pediatrics and Dermatology, Baltimore, MD, USA

9:10 AM - 9:20 AM

I was Fine Before I Started Taking that Drug: Common Drug Related Skin Reactions in Transplantation

Nicole Pilch, PharmD, MS, BCPS, Medical University of South Carolina, Charleston, SC, USA

9:20 AM - 9:30 AM

Picture This: Dermatologic Case Review and Treatment Options

Carrie Coughlin, MD, Washington University School of Medicine St. Louis, St. Louis, MO, USA

9:30 AM - 10:00 AM

Live Video Question and Answer

Program Topic: Ethics

Palliative Care & Solid Organ Transplantation: A Spectrum of Care

9:00 AM - 10:00 AM

Moderators:

Kristin Kuntz, Ph.D., The Ohio State University Medical Center, Associate Professor of Psychiatry, Columbus, OH, USA
Nicole McCormick, DNP, MBA, NP-C, CCTC, University of Colorado, Assistant Professor, Denver, CO, USA

9:00 AM - 9:10 AM

Overview of Palliative Care

Brittany Waterman, MD, The Ohio State University Wexner Medical Center, Assistant Professor, Columbus, OH, USA

9:10 AM - 9:20 AM

Palliative Care in the Pre-Transplant Setting

Kristin Kronsoble, PhD, Transplant Psychology, Tampa General Hospital, Director, Transplant Psychology, Tampa, FL, USA

9:20 AM - 9:30 AM

Palliative Care in the Post-Transplant Setting

Maha Mohamed, Medical Doctor (MD), Department of Nephrology, Associate Professor, Madison, WI, USA

9:30 AM - 10:00 AM

Live Video Question and Answer

Program Topic: Public Policy

Doctors, Patients, Lawyers, and Legislators: Who Decides for Whom?

9:00 AM - 10:00 AM

Moderators:

Ryutaro Hirose, MD, Univ of California-San Francisco, Professor, San Francisco, CA, USA
Jeffrey Edelman, MD, University of Washington, Associate Professor, Seattle, WA, USA

9:00 AM - 9:10 AM

How Do We Define and Measure Transplant Benefit

Elisa Gordon, PhD, MPH, Northwestern U
Feinberg Sch of Medicine, Professor, Oak
Park, IL, USA

9:10 AM - 9:20 AM

What Forces Govern and Influence Organ Allocation Policy

Yolanda Becker, MD, University of Chicago,
Professor of Surgery, CHICAGO, IL, USA

9:20 AM - 9:30 AM

What is Continuous Distribution and Why is it the Way to Go?

Kevin O'Connor, MS, Life Center
Northwest, President & CEO, Bellevue, WA,
USA

9:30 AM - 10:00 AM

Live Video Question and Answer

Program Topic: Liver

Evolution of Living Liver Donation in North America: 2020 and Beyond

9:00 AM - 10:00 AM

Moderators:

Amit Mathur, MD MS FACS, Mayo Clinic in
Arizona, Associate Professor of Surgery,
Consultant, Division of Transplant Surgery,
Phoenix, AZ, USA

Mark Cattral, MD, MSc, Toronto General
Hospital, Professor of Surgery, Toronto ON,
ON, Canada

9:00 AM - 9:10 AM

Successes and Challenges in Developing Non-Directed Liver Donation Programs: Donor Safety and Recipient Selections

Nazia Selzner, MD PhD, Toronto, ON,
Canada

9:10 AM - 9:20 AM

Living Donor Liver Transplantation in North America: Where are we Going?

Tarunjeet Klair, MD, University of Texas
Health San Antonio, Assistant Professor of
Surgery, Director Living Donor Liver
Transplantation, San Antonio, TX, USA

9:20 AM - 9:30 AM

Implementation of Paired Liver Donation in a LDLT Program

Nabil Dagher, MD, NYU Langone Transplant
Institute, New York, NY, USA

9:30 AM - 10:00 AM

Live Video Question and Answer

Program Topic: Kidney

Blood Pressure Screening and Associated Outcomes in Living Kidney Donors

9:00 AM - 10:00 AM

Moderators:

Nagaraju Sarabu, MD, University Hospitals
Cleveland Medical Center, MD, Cleveland,
OH, USA

Brian Lee, MD, University of Texas in Austin,
Professor in Medicine, Austin, TX, USA

9:00 AM - 9:10 AM

Post-donation Outcomes Related to Hypertension in Living Kidney Donors

Asif Sharfuddin, Indiana University School
of Medicine, Indianapolis, IN, USA

9:10 AM - 9:20 AM

Interpreting Blood Pressure in Living Donor Candidates: How to Measure? What Cutoffs to Use?

Joshua Augustine, MD, Cleveland Clinic
Foundation, Cleveland, OH, USA

9:20 AM - 9:30 AM

Update on National Guidelines for Hypertension and Monitoring for Hypertension in the General Population

Sandra Taler, MD, Mayo Clinic, Professor of
Medicine, Nephrology and Hypertension,
Rochester, MN, USA

9:30 AM - 10:00 AM

Live Video Question and Answer

Program Topic: Heart

Examine Well Your Blood: Heart Transplant Management Without a Biopsy

9:00 AM - 10:00 AM

Moderators:

Howard Eisen, MD, Pennsylvania State University, Medical Director, Advanced Heart Failure and Transplant Programs, Hershey, PA, USA

Shelley Hall, MD, Baylor University Medical Center, Chief, Transplant Cardiology, MCS and Adv HF, Dallas, TX, USA

9:00 AM - 9:10 AM

The Coast is Clear: Gene Expression Profiling for Asymptomatic Screening

Mario Deng, MD, UCLA

9:10 AM - 9:20 AM

All's Quiet on the Western Front

Kiran Khush, MD, Stanford, Professor of Medicine, Stanford, CA, USA

9:20 AM - 9:30 AM

Enter the Exosome

Prashanth Vallabhajosyula, MD, MS, Yale University School of Medicine, Associate Professor of Surgery, New Haven, CT, USA

9:30 AM - 9:40 AM

Putting It All Together

Cesar Guerrero-Miranda, MD, FACC, Baylor University Medical Center, Advanced Heart Failure and Transplant Cardiologist, Dallas, TX, USA

9:40 AM - 10:00 AM

Live Video Question and Answer

Program Topic: Pharmacy & Pediatric

The Road Less Traveled: Experience with

Unique Immunosuppression in Pediatric Transplantation

9:10 AM - 9:20 AM

Proliferation Signal Inhibitor Avenue: Use of mTORi/PSI Immunosuppression in Pediatric Heart Transplantation

Kevin Daly, MD, Children's Hospital Boston, Assistant Professor of Pediatrics, Boston, MA, USA

9:00 AM - 9:10 AM

Belatacept Lane: Use of Belatacept in Pediatric Kidney Transplantation

Rochelle Liverman, Pharm.D., Children's Healthcare of Atlanta, Transplant Pharmacist Specialist, Atlanta, GA, USA

9:20 AM - 9:30 AM

Tacrolimus Highway: Use of Extended Release Tacrolimus Products in Pediatric Heart, Liver, and Kidney Transplantation

Mary Chandran, PharmD, Children's Hospital Colorado, Clinical Pharmacy Specialist, Denver, CO, USA

9:30 AM - 10:00 AM

Live Video Question and Answer

Program Topic: Kidney

TCMR After Kidney Transplantation in 2021: Are We Moving Forward?

9:00 AM - 10:00 AM

Moderators:

Peter Nickerson, MD, University of Manitoba, Distinguished Professor, Vice Dean (Research), Winnipeg, MB, Canada

Roslyn Mannon, MD, University of Nebraska Medical Center, Professor of Medicine, Omaha, NE, USA

9:00 AM - 9:10 AM

Innovative Therapies in Horizon for the Treatment of TCMR.

Flavio Vincenti, MD, University of California San Francisco, Professor of clinical medicine, San Francisco, CA, USA

9:10 AM - 9:20 AM

Strengths and Limitations of Histology

Mark Haas, MD, PhD, Cedars-Sinai Medical Center, Dept. of Pathology, Attending Pathologist, Professor, Los Angeles, CA, USA

9:20 AM - 9:30 AM

Clinical and Sub-clinical TCMR in 2019 and its Relevance to Clinicians and Researchers

Sundaram Hariharan, MD, Starzl Transplant Institute, Univ of Pittsburgh Med Center, Professor of Medicine and Surgery, Pittsburgh, PA, USA

9:30 AM - 10:00 AM

Live Video Question and Answer

Program Topic: Translational

Spatial and Single Cell Profiling in Transplant Immune Injury

9:00 AM - 10:00 AM

Moderators:

Vikas Dharnidharka, MD, MPH, Washington University, Professor and Vice-Chair, Pediatrics, St. Louis, MO, USA

Michael Mengel, MD, University of Alberta, Professor, Edmonton, AB, Canada

9:00 AM - 9:10 AM

To Know What Single Cell RNA Sequencing Technology Is

Benjamin Humphreys, MD, PhD,

Washington University, Friedman Professor and Chief of Nephrology, St. Louis, MO, USA

9:10 AM - 9:20 AM

Single Cell Transcriptomics in Renal Transplant

Menna Clatworthy, PhD MD FRCP FMedSci, University of Cambridge, Professor of Translational Immunology, Cambridge, United Kingdom

9:20 AM - 9:30 AM

Single Cell Imaging Analysis and Integration with Single Cell Transcriptomics

Andrew Malone, MD, Washington University School of Medicine, Assistant Professor, St Louis, MO, USA

9:30 AM - 10:00 AM

Live Video Question and Answer

Program Topic: Basic

Ischemia Reperfusion-Alloimmunity Interface

9:00 AM - 10:00 AM

Moderators:

Robert Fairchild, PhD, Cleveland Clinic, Professor of Molecular Medicine, Cleveland, OH, USA

Anita Chong, PhD, The University of Chicago Medicine, Professor, Chicago, IL, USA

9:00 AM - 9:10 AM

IRI and Tolerance

Anna Valujskikh, PhD, The Cleveland Clinic Fdn, Cleveland, OH, USA

9:10 AM - 9:20 AM

IRI, Complement and the Allo-immune Response

Dan Jane-wit, MD, PhD, Yale University School of Medicine, Assistant Professor, New Haven, CT, USA

9:20 AM - 9:30 AM

Hepatic C-CAM-1 Expression Indicates Donor Quality and Predicts IRI Injury in Liver Transplant

Jerzy Kupiec-Weglinski, MD, PhD, UCLA Medical Center, Professor of Surgery, Los Angeles, CA, USA

9:30 AM - 10:00 AM

Live Video Question and Answer

Program Topic: ID

Is the Microbiome a Therapeutic Target in Transplantation?

9:00 AM - 10:00 AM

Moderators:

Elizabeth Verna, MD, MS, Hartsdale, NY, USA

Carlos Gomez, MD, University of Utah School of Medicine, Assistant Professor, Salt Lake City, UT, USA

9:00 AM - 9:10 AM

Microbiome 101: What is it, How do you Measure it, and Why is it Important?

Jasmohan Bajaj, MD, Virginia Commonwealth University, Professor, Richmond, VA, USA

9:10 AM - 9:20 AM

Restoring the Microbiome to Prevent and Treat Infection

Sahil Khanna, MBBS, MS, Mayo Clinic, Professor of Medicine, Rochester, MN, USA

9:20 AM - 9:30 AM

Targeting the Microbiome to Prevent Post-Transplant Metabolic Disease and Rejection

Mamatha Bhat, MD, PhD, University Health

Network, Assistant Professor of Medicine, Toronto, ON, Canada

9:30 AM - 10:00 AM

Live Video Question and Answer

Break

10:00 AM - 10:30 AM

Plenary Oral Abstract Session 2

10:30 AM - 11:30 AM

Program Topic: All Topics

10:30 AM - 11:30 AM

Moderators:

Lloyd Ratner, MD, MPH, Columbia University, Professor of Surgery; Director-Renal & Pancreatic Transplantation, New York, NY, USA

Emily Blumberg, MD, FAST, University of Pennsylvania, Philadelphia, PA, USA

10:30 AM - 10:40 AM

Trends in Mortality Among Solid Organ Transplant Recipients Hospitalized for Covid-19 During the Course of the Pandemic

M. R. Heldman, O. S. Kates, R. M. Rakita, E. D. Lease, C. E. Fisher, A. P. Limaye, *University of Washington, Seattle, WA*

10:40 AM - 10:50 AM

Treg Engagement of Lymphotoxin Beta Receptor in Lymphatic Endothelial Cells is Required for Allograft Protection

V. Saxena¹, W. Piao¹, L. Li¹, Y. Xiong¹, M. W. Shirkey¹, J. Iyyathurai¹, R. Lakhan¹, R. Abdi², J. Bromberg¹, ¹*U Maryland, Baltimore, MD*, ²*Harvard U, Boston, MA*

10:50 AM - 11:00 AM

DCD Heart Donation: Impact on Organ Yield

K. Gauntt, B. Carrico, D. Klassen, *United Network for Organ Sharing, Richmond, VA*

11:00 AM - 11:10 AM

Anti-CD8 Immuno-PET for Non-invasive

Tracking of Early Graft Rejection in a Non-human Primate Kidney Transplant Model

K. Bruestle¹, R. Tavaré², F. Fredriksson¹, E. Duggan¹, F. Huang¹, B. Bhola¹, J. Giurleo², R. Foster², P. Krueger², M. Dobosz², D. Ekanayake-Alper¹, H. Sakai¹, B. Piegari¹, J. Castrillion¹, S. M. Coley¹, O. Harari², A. Mintz¹, D. Ma², A. Griesemer¹, ¹Columbia University Medical Center, New York City, NY, ²Regeneron Pharmaceuticals, Inc, New York City, NY

11:10 AM - 11:30 AM

Live Video Question and Answer

Sponsor Networking

11:30 AM - 12:00 PM

Sponsor Networking

Sponsor Connect Sessions

11:30 AM - 12:00 PM

FCR001 Investigational Cellular Therapy in Living Donor Kidney Transplantation

Supported by Talaris Therapeutics

Real World Application of ENVARSUS XR® (PART 2) – Conversion Dosing and Monitoring

Supported by Veloxis Pharmaceuticals

Prospera: The Power & Potential of cell-free DNA in Transplantation & Oncology

Sponsored by Natera

One Year Later: Vaccines, Transplant, and Where We Go From Here

Supported by Sanofi

AST Presidential Addresses

12:00 PM - 12:30 PM

AST Presidential Address

12:00 PM - 12:10 PM

Introduction

Emily Blumberg, MD, FAST, University of Pennsylvania, Philadelphia, PA, USA

12:10 PM - 12:30 PM

Presidential Address

Richard Formica, MD, FAST, Yale Univ School of Medicine, New Haven, CT, USA

Society Awards

12:30 PM - 1:30 PM

AST Achievement Awards & Lifetime Achievement Awards

12:30 PM - 1:00 PM

2020 Transplant Advocacy Award and Lifetime Achievement Awards

Emily Blumberg, MD, FAST, University of Pennsylvania, Philadelphia, PA, USA

1:00 PM - 1:30 PM

2021 Award Presentations

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

Sponsored Satellite Symposia

1:30 PM - 2:30 PM

Let's Get "Real": Strategies to Reduce Rejection in Renal Transplantation – Applying the Evidence to Real World Scenarios

Supported by an independent educational grant from Sanofi

AlloSure Lung: Donor-Derived Cell-Free DNA as an Innovative Biomarker for Lung Transplant Patients

Supported by CareDx

Updates in the Diagnosis and Management of Chronic Active Antibody Mediated Rejection

Supported by CSL Berhing

Break

2:30 PM - 3:00 PM

IMPACT Sessions

3:00 PM - 4:00 PM

Program Topic: ID

Don't Give up HOPE: Evolving Standard Transplant Care for HIV Infected Patients

3:00 PM - 4:00 PM

Moderators:

Emily Blumberg, MD, FAST, Hospital of the University of Penn, Perelman School of Medicine at the University of Pennsylvania, Professor of Medicine, Director, Transplant Infectious Diseases, Philadelphia, PA, USA

Ghady Haidar, MD, University of Pittsburgh Medical Center, Assistant Professor of Medicine, Pittsburgh, PA, USA

3:00 PM - 3:10 PM

HIV+/+ Kidney Transplantation: Time to Expand

Dong Heun Lee, MD, University of California San Francisco, Associate Professor, San Francisco, CA, USA

3:10 PM - 3:20 PM

HIV+/+ Heart and Lung Transplantation: Novel Strategies for a Hopeful World

Marcus Pereira, MD, MPH, New York Presbyterian Hospital, New York, NY, USA

3:20 PM - 3:30 PM

HIV+/+ Liver Transplantation: Who, Why, When, Where to Refer

Meenakshi Rana, MD, Icahn School of Medicine at Mount Sinai, Associate Professor of Medicine, Division of Infectious Disease, New York, NY, USA

3:30 PM - 4:00 PM

Live Video Question and Answer

Program Topic: Kidney

Role of Genetic Testing in Potential Living Donor Candidates

3:00 PM - 4:00 PM

Moderators:

Brian Lee, MD, University of Texas in Austin, Professor in Medicine, Austin, TX, USA

Ethan Marin, MD, PhD, Regeneron Pharmaceuticals, Associate Medical Director, New Haven, CT, USA

3:00 PM - 3:10 PM

NGS, WES, WGS - The Genomic Era for Nephrologic Diagnosis and Therapy vis-à-vis Living Kidney Donation

Ali Gharavi, M.D., COLUMBIA UNIVERSITY, PROFESSOR OF MEDICINE, CHIEF DIV OF NEPHROLOGY, New York, NY, USA

3:10 PM - 3:20 PM

Genetic Implications for Living Kidney Donors with a Family History of ADPKD and other Inheritable Kidney Diseases

Meyeon Park, MD MAS, UCSF, Associate Professor, San Francisco, CA, USA

3:20 PM - 3:30 PM

Ethical Stewardship in Genetic Testing of Living Kidney Donors - Are We Crossing the Rubicon?

Christie Thomas, MD, University of Iowa, Iowa City, IA, USA

3:30 PM - 4:00 PM

Live Video Question and Answer

Program Topic: COVID-19

Late-Breaking: COVID Vaccination and Immunotherapy in Transplant Patients

3:00 PM - 4:00 PM

Moderators:

Tim Pruett, MD, University of Minnesota, Professor of Surgery and Internal Medicine, Minneapolis, MN, USA

Andre Dick, MD, MPH, University of Washington School of Medicine Seattle, Associate Professor of Surgery, Seattle, WA, USA

3:00 PM - 3:15 PM

A US-wide study of COVID Vaccine Safety, Immune Response, and Durability in 3000 Transplant Patients

Dorry Segev, MD, PhD, Johns Hopkins University, Professor of Surgery and Epidemiology, Baltimore, MD, USA

3:15 PM - 3:30 PM

Immunotherapy and Immunomodulation for COVID-19 in Transplant Patients

Robin Avery, MD, Johns Hopkins, Professor of Medicine, Baltimore, MD, USA

3:30 PM - 3:45 PM

Making Sense of Vaccine and COVID Outcomes for Up to Date Clinical Recommendations

Michael Ison, MD, MS, Northwestern University Feinberg SoM, Professor, Chicago, IL, USA

3:45 PM - 4:00 PM

Live Video Question and Answer

Program Topic: Ethics

Reaching for the Elusive Brass Ring: Challenges Faced by Donor and Recipient Minorities when Accessing Transplant

3:00 PM - 4:00 PM

Moderators:

Paulo Martins, MD, PhD, University of Massachusetts, Worcester, MA, USA

Angie Nishio Lucar, MD, University of Virginia, Associate Professor, Charlottesville, VA, USA

3:00 PM - 3:10 PM

Using an Intersectionality Framework to Address Disparities in access to Kidney Transplantation

Camilla Nonterah, PhD, University of Richmond, Assistant Professor of Health Psychology, Richmond, VA, USA

3:10 PM - 3:20 PM

Educational Outreach to Potential Recipients and Prospective Donors from Minority Groups

Amy Waterman, PhD, UCLA, Transplant Research and Education Center, Professor in Residence, Deputy Director, Los Angeles, CA, USA

3:20 PM - 3:30 PM

Community-Engagement Approaches to Addressing Disparities in Transplantation
Tanjala Purnell, PhD, MPH, Johns Hopkins University, Associate Director, Center for Health Equity, Baltimore, MD, USA

3:30 PM - 4:00 PM

Live Video Question and Answer

Program Topic: Pharmacy

Advanced Ambulatory Practice Models in Solid Organ Transplant

3:00 PM - 4:00 PM

Moderators:

Christina Doligalski, PharmD, UNC Hospitals and Clinics, Clinical Pharmacist Practitioner, Chapel Hill, NC, USA
Nicole McCormick, DNP, MBA, NP-C, CCTC, University of Colorado, Assistant Professor, Denver, CO, USA

3:00 PM - 3:10 PM

Development of an Advanced Practice Pharmacist Clinic for Outpatient Transplant Recipients

Holli Winters, PharmD, BCPS, Ohio State University Wexner Medical Center, Clinical Pharmacy Specialist, Columbus, OH, USA

3:10 PM - 3:20 PM

Learning the Value of Pharmacy Learners in Transplant

Matt Harris, PharmD, Duke, Director Transplant Pharmacy Programs, Durham, NC, USA

3:20 PM - 3:30 PM

Use of Pharmacy Technicians in the Outpatient Transplant Clinic

Kristen Belfield, PharmD, BCPS, Yale New Haven Hospital, Clinical Pharmacy Specialist, Solid Organ Transplant, New Haven, CT, USA

3:30 PM - 3:40 PM

Role Delineations in a Multi-Disciplinary Outpatient Transplant Clinic

Kristen Ryland, BS BSN MSN NP, Mayo Clinic

3:40 PM - 4:00 PM

Live Video Question and Answer

Program Topic: Lung & Heart

Controversies in Candidate Selection for Cardiothoracic Transplantation

3:00 PM - 4:00 PM

Moderators:

Keith Wille, MD, Univ of Alabama at Birmingham, Professor of Medicine, Birmingham, AL, USA
Simon Urschel, MD, University of Alberta /Stollery Children's Hospital, Assoc Prof. Director Pediatric Cardiac Transplant, Edmonton, AB, Canada

3:00 PM - 3:10 PM

Frailty Assessment Tools and Risk Stratification in Cardiothoracic Transplant Candidates

Palak Shah, MD, MS, Inova Heart and Vascular Institute, Director, Cardiovascular Genomics Center, Falls Church, VA, USA

3:10 PM - 3:20 PM

Marijuana Use and Cardiothoracic Transplant Candidacy - Current Views and Experiences

Lorriana Leard, MD, University of California San Francisco, Professor of Clinical Medicine, San Francisco, CA, USA

3:20 PM - 3:30 PM

HIV or Viral Hepatitis Positive - A New Era in Potential Candidate Selection

Christine Koval, MD, Cleveland Clinic Foundation, Associate Professor of Medicine, Section Head, Transplant Infectious Diseases, Cleveland, OH, USA

3:30 PM - 4:00 PM

Live Video Question and Answer

Program Topic: Translational

Regulatory T cell therapy for Clinical Autoimmune and Transplantation Tolerance

3:00 PM - 4:00 PM

Moderators:

James Mathew, PhD, Northwestern University, Professor, Chicago, IL, USA
Giovanna Lombardi, BSc, PhD, FMedSci, King's College, Professor of Human Transplant Immunology, London, United Kingdom

3:00 PM - 3:10 PM

CAR Tregs

Megan Levings, PhD, BC Children's Hospital Research Institute, Dr., Vancouver, BC, Canada

3:10 PM - 3:20 PM

Regulatory T cells Therapies Being Conducted at UCSF

Qizhi Tang, PhD, UCSF, Professor, San Francisco, CA, USA

3:20 PM - 3:30 PM

Regulatory T cells Studies Being Undertaken in the UK

Alberto Sanchez-Fueyo, King's College

3:30 PM - 4:00 PM

Live Video Question and Answer

Program Topic: Kidney

Medical Risks in Young Donors

3:00 PM - 4:00 PM

Moderators:

Anuja Java, MD, Washington University School of Medicine in St. Louis, MO,

Assistant Professor Of Medicine, Saint Louis, MO, USA

3:00 PM - 3:10 PM

Pregnancy Risks after Live Kidney Donation

Arthur Matas, MD, University of Minnesota Medical School, Professor of Surgery, Minneapolis, MN, USA

3:20 PM - 3:30 PM

Medical Risks in Young Donors

Robert Steiner, MD, UCSD Medical Center, Transplant Nephrology, San Diego, CA, USA

3:10 PM - 3:20 PM

Assessing Emotional Maturity and Readiness to Consent as an Organ Donor

Sheila Jowsey-Gregoire, MD, Mayo Clinic, Associate Professor of Psychiatry, Rochester, MN, USA

3:30 PM - 4:00 PM

Live Video Question and Answer

Program Topic: Heart & Kidney

The Results of the Consensus Conference on Heart-Kidney Transplantation

3:00 PM - 4:00 PM

Moderators:

Darshana Dadhania, M.D., Weill Cornell Medicine - NYPH, Associate Professor of Medicine, New York, NY, USA

Allen Anderson, MD, FACC, FAHA, University of Texas Health San Antonio, Chief, Division of Cardiology, San Antonio, TX, USA

3:00 PM - 3:10 PM

The Pathophysiology of Cardiorenal Disease Leading to End Organ Failure

W. H. Wilson Tang, MD, Cleveland Clinic, Professor, Cleveland, OH, USA

3:10 PM - 3:20 PM

A Prognostic Index for Combined Heart/Kidney Transplantation- Which Biomarkers

are Important? Review of Pertinent Studies
Xingxing Cheng, MD MS, Stanford
University, Clinical Assistant Professor, Palo
Alto, CA, USA

3:20 PM - 3:30 PM

**The Ethics of Fual Organ Transplantation:
Evaluating Fairness in Organ Allocation**
Savitri Fedson, MD, Baylor College of
Medicine- Michael E DeBakey VA Medical
Center, MD, Houston, TX, USA

3:30 PM - 3:40 PM

**Consensus Statements from the Heart/Kidney
Workgroup**
Jon Kobashigawa, MD, Cedars-Sinai Smidt
Heart Institute, Director, Cedars-Sinai Heart
Transplant Program, Los Angeles, CA, USA

3:40 PM - 4:00 PM

Live Video Question and Answer

Program Topic: Liver

**Responsible Expansion of Living Donor
Liver Transplantation in the United States**

3:00 PM - 4:00 PM

Moderators:

Whitney Jackson, MD, University of
Colorado, Aurora, CO, USA
Kim Olthoff, MD, University of Pennsylvania,
Donald Guthrie Professor of Surgery, Chief
Division of Transplant Surgery, Philadelphia,
PA, USA

3:00 PM - 3:10 PM

**Obesity & Metabolic Considerations: Iron
Discussions**

AnnMarie Liapakis, MD, Yale School of
Medicine, Digestive Disease, Medical
Director Living Donor Liver Transplant Yale
New Haven Transplantation Center, New
Haven, CT, USA

3:10 PM - 3:20 PM

The Hypercoaguable Work up of a Living

**Liver Donor - What's Revelant and
Necessary?**

Whitney Jackson, MD, University of
Colorado, Medical Director, Living Donor
Liver Transplantation, DENVER, CO, USA

3:20 PM - 3:30 PM

**Too Young or Too Old, Discussion on Donor
Age**

Elizabeth Pomfret, MD PhD, School of
Medicine University of Colorado, Chief of
Transplant Surgery, Aurora, CO, USA

3:40 PM - 4:00 PM

Live Video Question and Answer

Sponsor Networking

4:00 PM - 4:30 PM

Program Topic: All Topics

Sponsor Networking

Sponsor Connect Sessions

4:00 PM - 4:30 PM

**Renasight: Changing the Landscape of
Renal Genetic Testing**

Supported by Natera

Rapid Fire Oral Abstract Sessions

4:30 PM - 5:30 PM

Program Topic: Kidney

Kidney Deceased Donor Selection

4:30 PM - 5:30 PM

Moderators:

Frank Darras, MD, SUNY - Stony Brook,
Clinical Professor of Urology/ Renal
Transplantation, Stony Brook, NY, USA
Samuel Sultan, MD, Weill Cornell Medicine,

Assistant Professor of Surgery, New York, NY, USA

4:30 PM - 4:35 PM

Findings from the Bareto Study: Associations Between Chronic Vascular Changes and 10-year Transplant Graft Outcomes

L. Kamal¹, D. Stewart², J. Foutz², H. McGehee², P. Saravanane¹, S. Yu¹, R. Yusuf¹, G. Gupta¹, ¹Virginia Commonwealth University, Richmond, VA, ²UNOS, Richmond, VA

4:35 PM - 4:40 PM

An HLA Class II Matching Strategy That Predicts De Novo Donor-specific HLA Antibody Formation Using Low Resolution HLA Types

L. Hidalgo¹, I. Martinez Juarez², L. Morales Buenrostro², S. Shojai³, P. Campbell¹, ¹University of Wisconsin Madison, Madison, WI, ²Instituto Nacional de Ciencias Medicas Y Nutricion Salvador Zubrian, Mexico City, Mexico, ³Medicine, University of Alberta, Edmonton, AB, Canada

4:40 PM - 4:45 PM

Outcomes from High KDPI Kidneys Utilized for Dual Kidney Transplantation

J. Wagler¹, K. Mitchell², S. Ohara³, R. Heilman², S. K. Reddy², H. Khamash², C. Jadlowiec², ¹Mayo Clinic Arizona, Phoenix, AZ, ²Mayo Clinic, Phoenix, AZ, ³Valleywise Health General Surgery Residency Program, Phoenix, AZ

4:45 PM - 4:50 PM

Successful Outcomes from Selected Akin3 Donors Requiring Renal Replacement: Avenue for Increase in Organ Utilization

P. Budhiraja¹, R. L. Heilman¹, M. L. Smith², H. A. Khamash¹, L. Kodali¹, A. A. Moss³, A. K. Mathur³, C. Jadlowiec³, K. S. Reddy³, ¹Medicine, Mayo Clinic, Phoenix, AZ, ²Pathology, Mayo Clinic, Phoenix, AZ, ³Surgery, Mayo Clinic, Phoenix, AZ

4:55 PM - 5:00 PM

Outcomes of Kidney Transplant Recipients (KTRs) Comparing Brain Dead Donors' vs Donation After Cardiac Death Stratified by KDPI, Focus on Marginal Kidneys: A UNOS Database Analysis

B. Chopra¹, K. K. Sureshkumar¹, D. Rajasundaram², E. C. Rodrigo³, ¹Allegheny Health Network, Pittsburgh, PA, ²UPMC, Pittsburgh, PA, ³University Hospital Marqués de Valdecilla, Santander, Spain

5:00 PM - 5:05 PM

Expanding A₂ to B Kidney Transplantation: Safe and Effective Use of Recipients with High Titer Antibodies

A. Gilbert¹, S. Radomski², J. Verbesey¹, J. Vucci¹, M. Cooper¹, ¹Medstar Georgetown Transplant Institute, Washington, DC, ²Department of Surgery, Johns Hopkins Medical Center, Baltimore, MD

5:05 PM - 5:10 PM

How Long is the Wait Worthwhile: Cost-Effectiveness of Accepting a Kidney from a Donor with Apolipoprotein L1 High-Risk Genotype

K. Lentine¹, D. Brennan², M. Wang³, M. Schnitzler⁴, H. Xiao⁴, D. Axelrod⁵, J. Snyder⁶, K. Lentine⁴, ¹Saint Louis University, St. Louis, MO, ²Johns Hopkins, Baltimore, MD, ³Washington Univ, Saint Louis, MO, ⁴Saint Louis Univ, Saint Louis, MO, ⁵Univ of Iowa, Iowa City, IA, ⁶SRTR, Minneapolis, MN

5:10 PM - 5:30 PM

Live Video Question and Answer

Program Topic: Liver

Hemodynamic Consequences of Portal Hypertension Including Kidney Issues

4:30 PM - 5:30 PM

Moderators:

Catherine Frenette, MD, FAST, AGAF, FAASLD, Scripps Clinic Department of Organ Transplant, Medical Director of Liver

Transplant, La Jolla, CA, USA

Keri Lunsford, MD, PhD, Rutgers New Jersey Medical School, Assistant Professor of Surgery, Newark, NJ, USA

4:30 PM - 4:35 PM

The Rate of Hospitalization Among Patients with Cirrhosis is More Than Twice as High as Patients Over 85 Years

N. R. Mazumder¹, K. Guo², L. Zhao³, A. Kho¹, K. Walters⁴, T. S. Carey⁴, C. Loftus¹, D. P. Ladner¹, ¹Northwestern Memorial Hospital, Chicago, IL, ²Biostatistics, Northwestern Memorial Hospital, Chicago, IL, ³Biostatistics, Northwestern Memorial Hospital, Chicago, IL, ⁴University of North Carolina Chapel Hill, Chapel Hill, NC

4:35 PM - 4:40 PM

A Novel Liver Assist Device as a Bridge to Liver Transplantation in Acute on Chronic Liver Failure Patients with Multi-Organ Failure

S. Ahmad¹, I. W. Liou¹, J. Reyes², R. Bakthavatsalam³, N. C. Smith⁴, R. L. Carithers¹, C. Martin¹, D. Gao⁵, ¹Medicine, University of Washington, Seattle, WA, ²Surgery, University of Washington, SEATTLE, WA, ³Surgery, University of Washington, Seattle, WA, ⁴Nursing, University of Washington, Seattle, WA, ⁵Engineering, University of Washington, Seattle, WA

4:40 PM - 4:45 PM

Rabbit Anti-thymocyte Globulin Induction is Not Associated with Improved Outcomes in Liver Transplant Recipients

P. Nguyen, N. Wilson, G. Saracino, R. Patel, S. K. Asrani, G. Testa, T. Sam, Baylor University Medical Center, Dallas, TX

4:45 PM - 4:50 PM

Effects of Timing of Everolimus Transition on Renal Outcomes in Liver Transplant Recipients

M. Leick¹, H. Belleau², T. McCashland³, ¹Nebraska Medicine, Omaha, NE, ²Bryan Health, Lincoln, NE, ³University of Nebraska

Medical Center, Omaha, NE

4:50 PM - 4:55 PM

Machine Perfusion of Kidney Grafts in Simultaneous Liver Kidney Transplantation: National Trends and Outcomes

A. Chang¹, M. Chen¹, P. Abt¹, T. Bittermann², ¹Surgery, University of Pennsylvania, Philadelphia, PA, ²Gastroenterology, University of Pennsylvania, Philadelphia, PA

4:55 PM - 5:00 PM

Outcomes of Transjugular Intrahepatic Portosystemic Shunts (TIPS) in Dialysis-Dependent ESKD Patients: The ALTA Study

J. Ge¹, J. Boike², M. German³, G. J. Morelli⁴, E. Spengler³, A. Said³, A. S. Lee³, A. Hristov³, A. Desai⁵, T. Couri⁶, S. Paul⁶, C. Frenette⁷, N. Christian-Miller⁷, M. Laurito⁸, E. Verna⁸, U. Rahim⁹, A. Goel⁹, D. Gregory², L. VanWagner², K. P. Kolli¹, J. Lai¹, ¹University of California, San Francisco, San Francisco, CA, ²Northwestern Memorial Hospital, Chicago, IL, ³University of Wisconsin, Madison, WI, ⁴University of Florida Health, Gainesville, FL, ⁵Indiana University School of Medicine, Indianapolis, IN, ⁶University of Chicago, Chicago, IL, ⁷The Scripps Clinic, La Jolla, CA, ⁸Columbia University, New York, NY, ⁹Stanford University, Stanford, CA

5:00 PM - 5:05 PM

Home-based Liver Frailty Intervention (lift) in Liver Transplant Candidates: A Pilot Study

A. J. Thuluvath¹, K. Belfanti¹, S. Morrissey¹, O. Siddiqui¹, J. Peipert¹, A. Daud¹, J. Levitsky¹, T. Bogg², A. Flores¹, D. P. Ladner¹, ¹Northwestern University Transplant Research Collaborative, Chicago, IL, ²Department of Psychology, Wayne State University, Detroit, MI

5:05 PM - 5:10 PM

Kidney Transplantation Alone in Patients with Compensated Cirrhosis: A Multicenter Study

A. Kassem¹, S. Asrani¹, S. W. Biggins², Y. Darwish¹, M. Nadim³, B. Fischbach¹, T. Fong³, ¹Baylor University Medical Center at

Dallas, Dallas, TX, ²University of Washington, Seattle, WA, ³USC - Keck, Los Angeles, CA

5:10 PM - 5:30 PM

Live Video Question and Answer

Program Topic: Basic

Biomarkers, Immune Assessment and Clinical Outcomes - II

4:30 PM - 5:30 PM

Moderators:

Sunil Kurian, MD, Scripps Health, Research Scientist, LA JOLLA, CA, USA

John Friedewald, MD, FAST, Northwestern University, Professor, Chicago, IL, USA

4:30 PM - 4:35 PM

Development and Validation of a Novel Peripheral Blood Based Gene Signature for Acute Rejection Following Renal Transplantation

D. Zhang, Y. Wang, X. Hu, Department of Urology, Beijing Chao-Yang Hospital, Capital Medical University, Beijing, China

4:35 PM - 4:40 PM

Multiplexed Imaging Mass Cytometry of the Alloimmune Landscape of Rejection in Clinical Liver Transplantation

J. Emamaullee, N. Ung, C. Man, J. Hoeflich, C. Goldbeck, A. Barbetta, R. Sun, N. Matasci, J. Katz, J. Lee, S. Chopra, L. Sher, S. Asgharzadeh, O. Akbari, Y. Genyk, University of Southern California, Los Angeles, CA

4:40 PM - 4:45 PM

Hypothermic Oxygenated Machine Perfusion Protects Against Cholangiocyte and Hepatocyte Injury and Mitigates Inflammation vs Static Cold Storage: Preliminary Results from a Single Center

G. Panayotova, F. Paterno, M. McCarty, G. Dikdan, S. Simonishvili, Y. Qin, L. Brown, A. Amin, K. E. Lunsford, J. V. Guarrera,

Transplant Surgery, Rutgers NJMS, Newark, NJ

4:45 PM - 4:50 PM

The Effect of the Affordable Care Act on Insurance Status, Waitlist, and Transplant Outcomes in Liver Transplantation

B. I. Shaw¹, M. L. Samoylova¹, V. Wang², T. Risoli Jr³, S. Peskoe³, K. Caddell³, L. M. McElroy¹, ¹Surgery, Duke University, Durham, NC, ²Population Health Sciences, Duke University, Durham, NC, ³Biostatistics, Duke University, Durham, NC

4:50 PM - 4:55 PM

Gain of Function Mutations in Latent Membrane Protein 1 of Epstein Barr Virus are Associated with Increased Risk of Post-Transplant Lymphoproliferative Disorder

O. M. Martinez¹, S. M. Krams¹, M. Robien², M. Lapasaran¹, M. Arvedson¹, K. Weinberg¹, S. Boyd¹, B. Armstrong³, C. Twist⁴, D. Gratzinger¹, B. Tan¹, A. Trickey¹, M. Sever³, M. Brown², D. Bernstein¹, C. O. Esquivel¹, ¹Stanford University Sch of Med, Stanford, CA, ²NIAID, Rockville, MD, ³Rho, Durham, NC, ⁴Roswell Park, Buffalo, NY

4:55 PM - 5:00 PM

Clinical and Molecular Profiling Can Help in Predicting the Response to Alemtuzumab Treatment in Kidney Transplant Recipients with Severe or Glucocorticoid-Resistant Acute Rejection

D. M. Peelen¹, M. van der Zwan¹, M. C. Claassen-van Groningen², D. A. Mustafa², C. C. Baan¹, D. A. Hesselink¹, ¹Internal Medicine - Nephrology & Transplantation, Erasmus MC, Rotterdam, Netherlands, ²Pathology, Erasmus MC, Rotterdam, Netherlands

5:00 PM - 5:05 PM

Identification of Distinct Blood Monocyte Phenotypes from Transplant Kidney Recipients Undergoing Cellular (TCMR) and Mixed Antibody Mediated Rejection (ABMR)

C. Macedo, E. Bailly, K. Louis, M. Lucas, A.

Zeevi, P. Randhawa, D. Metes, Starzl
Transplantation Institute, Pittsburgh, PA

5:05 PM - 5:10 PM

Validation of a Novel Gene Expression Biomarker of Rejection Following Liver Transplantation

J. Levitsky¹, M. Kandpal¹, T. Whisenant², K. Guo¹, S. Kurian³, M. Abecassis⁴,

¹Gastroenterology & Hepatology; Comprehensive Transplant Center, Northwestern University, Chicago, IL, ²University of California San Diego, San Diego, CA, ³Scripps Clinic, La Jolla, CA, ⁴University of Arizona College of Medicine Tucson, Tucson, AZ

5:10 PM - 5:30 PM

Live Video Question and Answer

Program Topic: Public Policy & Ethics

Potpourri of Public Policy and Allocation

4:30 PM - 5:30 PM

Moderators:

Evelyn Hsu, MD, Seattle Children's Hospital, Associate Professor of Pediatrics, Seattle, WA, USA

Jonathan Berger, MD, MHS, NYU Langone Transplant Institute, Assistant Professor, New York, NY, USA

4:30 PM - 4:35 PM

Changes to Adult Heart Allocation Improve Candidate Stratification

K. Bradbrook¹, K. Lindblad¹, R. R. Goff¹, R. Daly², S. Hall³, ¹Research, United Network for Organ Sharing, Richmond, VA, ²Mayo Clinic, Rochester, MN, ³Baylor University Medical Center, Dallas, TX

4:35 PM - 4:40 PM

Incorporation of Donor Liver Macrovesicular Steatosis Into Srtr Risk Adjustment Models for Deceased Donor Yield and Post-Transplant Outcome

A. Kwong¹, C. Wang², A. Wey³, N. Salkowski³, J. Snyder⁴, J. Wetmore², A. Israni², J. Lake⁴, P. Stock⁵, W. Kim¹, ¹Stanford University, Redwood City, CA, ²Medicine, Hennepin Healthcare, Minneapolis, MN, ³Scientific Registry of Transplant Recipients, Minneapolis, MN, ⁴University of Minnesota, Minneapolis, MN, ⁵University of California, San Francisco, San Francisco, CA

4:40 PM - 4:45 PM

Increasing Survival on the Kidney Transplant Waiting List: A Thirty-Three Year Analysis

E. L. Godfrey¹, P. T. Kambhampati¹, J. A. Goss², A. Rana², ¹Baylor College of Medicine, Houston, TX, ²Division of Abdominal Transplantation, Department of Surgery, Baylor College of Medicine, Houston, TX

4:45 PM - 4:50 PM

The Evolution of the National Liver Review Board

S. Noreen¹, J. Trotter², J. Pomposelli³, M. Cafarella¹, J. Heimbach⁴, ¹UNOS, Richmond, VA, ²BSWHealth, Dallas, TX, ³UCHealth, Aurora, CO, ⁴Mayo Clinic, Rochester, MN

4:50 PM - 4:55 PM

Profound Opportunities Lost: Patients with High Priority for Ideal Donor Kidneys That are Not Placed on the Kidney Transplant Waiting List

J. Schold¹, A. Huml¹, E. Poggio¹, J. Sedor¹, S. Husain², K. L. King², S. Mohan², ¹Cleveland Clinic Foundation, Cleveland, OH, ²Columbia University, New York, NY

4:55 PM - 5:00 PM

Impact of Donor Kidney Biopsy on Kidney Yield and Post-Transplant Outcomes

C. Wang¹, J. Wetmore¹, A. Wey², N. Salkowski², J. Snyder², A. Israni¹, ¹Nephrology, Hennepin County Medical Center, Minneapolis, MN, ²Scientific Registry of Transplant Recipients, Minneapolis, MN

5:00 PM - 5:05 PM

Predicting Post-transplant Death and Graft Loss Risk: Insight at Listing

N. Dzebisashvili¹, M. Schnitzler², K. Lentine², K. Venkataramani¹, S. Ghosh¹, ¹CareDx, Brisbane, CA, ²Saint Louis University, St. Louis, MO

5:05 PM - 5:10 PM

Framing the Conceptualization of Uterus Transplantation: A Mixed Methods Study

A. Wall¹, L. Johannesson¹, M. Sok², A. Warren³, E. Gordon⁴, G. Testa¹, ¹Abdominal Transplant Surgery, Baylor University Medical Center, Dallas, TX, ²Obstetrics and Gynecology, Baylor University Medical Center, Dallas, TX, ³Trauma and Critical Care, Baylor University Medical Center, Dallas, TX, ⁴Northwestern University, Dallas, TX

5:10 PM - 5:30 PM

Live Video Question and Answer

Program Topic: Heart

Do's and Don'ts of Heart Transplant Care

4:30 PM - 5:30 PM

Moderators:

Palak Shah, MD, MS, Inova Heart and Vascular Institute, Director, Cardiovascular Genomics Center, Falls Church, VA, USA
Sean Pinney, MD, University of Chicago, Director, Advanced Heart Failure & Transplantation, Chicago, IL, USA

4:30 PM - 4:35 PM

Pregnancy Outcomes in 108 Heart Transplant Recipients

L. A. Coscia¹, A. Yusuf¹, S. Rao², S. Constantinescu³, M. J. Moritz⁴, ¹Transplant Pregnancy Registry International, Philadelphia, PA, ²University of Virginia Health System, Charlottesville, VA, ³Lewis Katz School of Medicine at Temple University, Philadelphia, PA, ⁴Surgery,

Lehigh Valley Health Network, Allentown, PA

4:35 PM - 4:40 PM

DSA is Associated with Molecular Changes in Many Hearts with Minor Abnormalities but Not Diagnosed as Antibody-Mediated Rejection

P. Halloran¹, K. S. Madill-Thomsen¹, & the INTERHEART Study Group², ¹Alberta Transplant Applied Genomics Centre, Edmonton, AB, Canada, ²., AB, Canada

4:40 PM - 4:45 PM

Quilty Lesions are Associated with a Tolerance Profile in Heart Allografts Biopsies

J. Torrealba, S. Moore, S. Sathirareuangchai, L. De Las Casas, Q. Cai, Pathology, UTSW Medical Ctr, Dallas, TX

4:45 PM - 4:50 PM

The Pathology of Heart Allograft Biopsies: Discrepancies in Interpretation Between Conventional Histology and the Molecular Microscope Diagnostic (MMDx®) System

P. Randhawa¹, A. Seitz², Y. Huang¹, B. Feingold², ¹Department of Pathology, Pittsburgh, PA, ²Pediatrics, University of Pittsburgh, Pittsburgh, PA

4:50 PM - 4:55 PM

Impact of Statin Intensity on the Incidence of Vascular Events and Graft Survival in Heart Transplant Recipients

E. Kim¹, I. Booth², R. Madathil³, B. Ravichandran¹, M. Demehin², M. Plazak², ¹University of Maryland School of Pharmacy, Baltimore, MD, ²Pharmacy, University of Maryland Medical Center, Baltimore, MD, ³University of Maryland School of Medicine, Baltimore, MD

4:55 PM - 5:00 PM

Assessing the Impact of Acute Major Adverse Kidney Events on Clinical Outcomes in Heart Transplant Recipients

J. E. Kelly¹, C. Perez¹, D. Taber¹, R. J. Tedford², B. McMahon², S. Alzaidi¹, H. B. Meadows¹, ¹Pharmacy, MUSC Health, Charleston, SC, ²Medicine, MUSC Health,

Charleston, SC

5:00 PM - 5:05 PM

Acute Kidney Injury Requiring Dialysis in Heart Transplant Recipients is a Risk Factor for Graft Failure and Overall Mortality

M. A. Merzkani, H. Murad, A. Pottebaum, A. Java, A. Malone, J. Schilling, A. Itoh, R. Delos Santos, T. Alhamad, *Transplant, Washington University, Saint Louis, MO*

5:05 PM - 5:10 PM

Acute Dialysis, Mortality and Renal Failure After Heart Alone Transplant by Egfr and Dialysis Requirement in the United States

M. Aljuhani¹, T. Alexy¹, S. Jackson², C. Martin¹, R. Kandaswamy³, S. Riad¹,
¹Medicine, University of Minnesota, Minneapolis, MN, ²Complex Care Analytics, Fairview Health Services, Minneapolis, MN, ³Surgery, University of Minnesota, Minneapolis, MN

5:10 PM - 5:30 PM

Live Video Question and Answer

Program Topic: ID

COVID-19 Session 2

4:30 PM - 5:30 PM

Moderators:

Rachel Miller, MD, Duke University, Professor of Medicine, Durham, NC, USA
Alfred Luk, M.D., Tulane University, Assistant Professor of Medicine, New Orleans, LA, USA

4:30 PM - 4:35 PM

COVID-19 Potential Donor Derived Transmission Events Investigations: Early DTAC Experience

R. La Hoz, A. Agarwal, S. Aslam, K. Dunn, J. Goldman, D. Levine, C. Marboe, G. F. Marklin, S. M. Pouch, M. Rana, R. Razonable, H. L. Stevenson, H. Te, A. E. Woolley, M. Michaels, L. Danziger-Isakov,

OPTN DTAC, Richmond, VA

4:35 PM - 4:40 PM

The Impact of Covid-19 Pandemic on Living Donor Liver and Renal Transplantations in Japan: A Nationwide Survey

S. Yamanaga¹, T. Hibi², R. Osawa³, K. Yuzawa⁴, H. Egawa⁵, K. Kuramitsu⁶,
¹General Surgery, Japanese Red Cross Kumamoto Hospital, Kumamoto, Japan, ²Pediatric Surgery and Transplantation, Kumamoto University, Kumamoto, Japan, ³Infectious disease, Kameda medical center, Kamogawa, Japan, ⁴Transplant Surgery, Mito Medical Center, Higashiibaraki District, Japan, ⁵Gastrointestinal Surgery, Tokyo Women's Medical University Hospital, Shinjyuku-ku, Japan, ⁶HBP surgery, Kobe University, Kobe, Japan

4:40 PM - 4:45 PM

T-Cell Responses in Solid Organ Transplant Recipients with SARS-CoV-2 Infection

V. H. Ferreira, T. M. Marinelli, T. Ku, M. Ierullo, B. Majchrzak-Kita, I. Bahinskaya, N. Pinzon, A. Humar, D. Kumar, *University Health Network, Toronto, ON, Canada*

4:45 PM - 4:50 PM

Mortality, Risk Factors, and Treatment of Covid-19 Infection in Solid Organ Transplants: A Systematic Review and Meta-analysis

S. Yin, T. Song, Q. Zhong, T. Lin, *Urology Institute and Organ Transplantation Center, West China Hospital, Chengdu, China*

4:50 PM - 4:55 PM

Propensity Matched Analysis of Death and Non-favorable Discharge Among Hospitalized Transplant Recipients with COVID-19

J. T. Swan¹, E. Rizk², S. L. Jones¹, N. Nwana¹, J. C. Nicolas¹, A. Tran¹, T. Nisar¹, T. Menser¹, S. G. Yi², L. W. Moore¹, A. O. Gaber², R. J. Knight², ¹Houston Methodist Research Institute, Houston, TX, ²Houston Methodist Hospital, Houston, TX

4:55 PM - 5:00 PM

Covid-19 Related Deaths Across the U.S. in Kidney Transplant Recipients

K. Goli, N. T. Galvan, R. Cotton, J. A. Goss, C. A. O'Mahony, A. Rana, *Department of Abdominal Transplantation, Baylor College of Medicine, Houston, TX*

5:00 PM - 5:05 PM

Impact of COVID-19 on Solid Organ Transplantation

E. Sampson¹, S. Hall², K. Robichaux³, A. Kumar², N. Kemmer⁴, J. Buggs⁵, ¹Lake Erie College of Osteopathic Medicine, Tampa, FL, ²Morsani College of Medicine, University of South Florida, Tampa, FL, ³Honors College, University of South Florida, Tampa, FL, ⁴Transplant Hepatology, Tampa General Hospital, Tampa, FL, ⁵Transplant Surgery, Tampa General Hospital, Tampa, FL

5:05 PM - 5:10 PM

Covid-19 in Solid Organ Transplantation (SOT): Results of the National Covid Cohort Collaborative (N3C)

G. Agarwal¹, A. Vinson², R. Dai³, E. French⁴, S. Lee⁵, A. Olex⁴, A. Anzalone⁶, V. Madhira⁷, R. B. Mannon⁸, ¹Medicine, University of Alabama at Birmingham, Birmingham, AL, ²Medicine/Nephrology, Nova Scotia Health Authority, Halifax, NS, Canada, ³Biostatistics, University of Nebraska Medical Center, Omaha, NE, ⁴Wright Center for Clinical and Translational Research, Virginia Commonwealth University, Richmond, VA, ⁵Medicine/Infectious Disease, University of Saskatchewan, Saskatoon, SK, Canada, ⁶Neurology, University of Nebraska Medical Center, Omaha, NE, ⁷Palia Software, Not sure, OR, ⁸Medicine/Nephrology, University of Nebraska Medical Center, Omaha, NE

5:10 PM - 5:30 PM

Live Video Question and Answer

Focus in Transplantation Session

4:30 PM - 7:00 PM

Program Topic: Translational

Translational: Solving the Donor Shortage with Science

4:30 PM - 6:30 PM

Moderators:

Markus Selzner, MD, University of Toronto, Associate Professor of Surgery, Toronto, ON, Canada

Robert Montgomery, MD, D.Phil, FACS, NYU Langone Transplant Institute, H. Leon Pachter Chair and Professor of Surgery, New York, NY, USA

4:30 PM - 4:40 PM

Organ Rejuvenation/Perfusion- Ex-vivo and in Animals

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

4:40 PM - 4:50 PM

Organ Preservation/Cryopreservation

Heidi Yeh, MD, Massachusetts General Hospital, Transplant Surgeon, Boston, MA, USA

4:50 PM - 5:00 PM

Biofabrication

Jeffrey Lawson, M.D., Ph.D., Professor of Vascular Surgery, Humacyte, Inc, Chief Surgical Officer, Durham, NC, USA

5:00 PM - 5:30 PM

Live Video Question and Answer

5:30 PM - 6:00 PM

Break

6:00 PM - 6:10 PM

Xeno/Chimeric Organs

Megan Sykes, MD, Columbia University, Professor, Columbia University, Director, Columbia Center for Translational Immunology, New York, NY, USA

6:10 PM - 6:20 PM

Stem Cell/Recellularization

Anthony Atala, MD, Wake Forest Institute for Regenerative Medicine, Director, Winston Salem, NC, USA

6:20 PM - 6:30 PM

The Ethics of Novels Means of Expanding the Donor Pool

Arthur L. Caplan, PhD, NY, USA

6:30 PM - 7:00 PM

Live Video Question and Answer

Break

5:30 PM - 6:00 PM

Rapid Fire Oral Abstract Sessions

6:00 PM - 7:00 PM

Program Topic: Lung

When Opportunity Knocks... Identifying Interventions to Optimize Lung Transplant Outcomes

6:00 PM - 7:00 PM

Moderators:

Hilary Goldberg, MD, MPH, -Brigham and Women's Hospital, Clinical Director, Pulmonary and Critical Care Medicine, Needham, MA, USA

Matthew Hartwig, MD, Duke University, Durham, NC, USA

6:00 PM - 6:05 PM

Pregnancy Outcomes in 39 Lung Transplant Recipients

S. Constantinescu¹, **L. A. Coscia²**, **A. Yusuf²**, **S. Rao³**, **M. J. Moritz⁴**, ¹*Lewis Katz School of Medicine at Temple University, Philadelphia, PA*, ²*Transplant Pregnancy Registry International, Philadelphia, PA*, ³*University of Virginia Heath System, Charlottesville, VA*, ⁴*Lehigh Valley Health Network, Allentown, PA*

6:05 PM - 6:10 PM

Guiding Therapeutic Plasma Exchange for Amr Treatment in Lung Transplant Recipients Using Serial Dilution in Single Antigen Bead Assay

O. A. Timofeeva¹, **J. Choe²**, **M. Alsammak²**, **E. J. Yoon²**, **S. Geier²**, **K. Carney²**, **J. Au²**, **A. Diamond²**, **J. A. Galli²**, **K. Shenoy²**, **A. Mamary²**, **S. Seghal²**, **P. Mullhal²**, **Y. Toyoda²**, **N. Shigemura²**, **F. Cordova²**, **G. Criner²**, **J. Brown²**, ¹*MedStar Georgetown University Hospital, Washington, DC*, ²*Temple University Hospital, Philadelphia, PA*

6:10 PM - 6:15 PM

Renal Preservation with Belatacept-Based versus Everolimus-Based Immunosuppression in Lung Transplant Recipients

E. Sartain¹, **K. Schoeppler¹**, **B. Crowther¹**, **J. Smith²**, **A. Gray²**, ¹*University of Colorado Skaggs School of Pharmacy and Pharmaceutical Sciences, Aurora, CO*, ²*Department of Medicine, Division of Pulmonary Sciences and Critical Care, University of Colorado, Denver, CO*

6:15 PM - 6:20 PM

Elexacaftor/ivacaftor/tezacaftor in Lung Transplant Recipients: A Case Series

L. M. Potter¹, **B. Vargas²**, **S. M. Rotolo¹**, **C. McEwen¹**, **K. Tsui¹**, ¹*University of Chicago Medicine, Chicago, IL*, ²*Roosevelt University, Chicago, IL*

6:20 PM - 6:25 PM

Use of Granulocyte Colony Stimulating Factor After Lung Transplantation is Not Associated with Increased Likelihood of Acute Cellular Rejection

S. Fredrick¹, **C. Iasella²**, **L. Sacha³**, **R. Rivosecchi³**, **M. Morrell³**, **P. Sanchez³**, **J. Pilewski³**, **M. Snyder³**, **J. McDyer³**, **C. Moore³**, ¹*University of Rochester Medical Center, Rochester, NY*, ²*University of Pittsburgh School of Pharmacy, Pittsburgh,*

PA, ³University of Pittsburgh Medical Center, Pittsburgh, PA

6:25 PM - 6:30 PM

Impact Analysis of Virtual Transplant Ambulatory Pharmacist During Covid-19
L. Park, G. Waldman, J. Kim, C. Rogers, J. Clark, Massachusetts General Hospital, Boston, MA

6:30 PM - 6:35 PM

Outcomes of IVIG Monotherapy for Donor-Specific Antibodies After Lung Transplantation
K. Spence, S. Heeney, M. Morrison, S. A. Rega, F. D. Irene, K. B. Harrison, C. M. Shaver, Vanderbilt University Medical Center, Nashville, TN

6:35 PM - 6:40 PM

Liver Dysfunction Following Lung Transplantation
E. J. Hyzny¹, E. G. Chan¹, J. P. Ryan¹, T. Harano¹, M. R. Morrell², P. G. Sanchez¹, ¹Cardiothoracic Surgery, University of Pittsburgh School of Medicine, Pittsburgh, PA, ²Pulmonary, Allergy and Critical Care Medicine, University of Pittsburgh Medical Center, Pittsburgh, PA

6:40 PM - 7:00 PM

Live Video Question and Answer

Program Topic: Kidney

Kidney Complications

6:00 PM - 7:00 PM

Moderators:

Aala Amtul, MD, Beth Israel Deaconess Medical Center, MD, Boston, MA, USA
Larry Melton, MD PhD, Mercy Regional Medical Center, Transplant Nephrologist, Durango, CO, USA

6:00 PM - 6:05 PM

Mapping Chronic Kidney Disease (CKD) and

Acute Kidney Injury (AKI) in Kidney Transplant Biopsies Reveals Two Classes of Early AKI That Differ in Their Response-to-Wounding

P. Halloran¹, J. Reeve¹, G. Böhmig², O. Viklicky³, M. Myslak⁴, G. Gupta⁵, & the INTERCOMEX Study Group⁶, ¹Alberta Transplant Applied Genomics Centre, Edmonton, AB, Canada, ²Medical University of Vienna, Vienna, Austria, ³Institute for Clinical and Experimental Medicine, Prague, Czech Republic, ⁴Pomeranian Medical University, Szczecin, Poland, ⁵Virginia Commonwealth University, Richmond, VA, ⁶., AB, Canada

6:05 PM - 6:10 PM

Oxalate Nephropathy After Kidney Transplant: Defining Histological Patterns, Contributing Factors and Graft Outcome
N. Jakob¹, A. Chuu¹, J. Ninan¹, E. Lim¹, N. Zhang¹, H. Amer², F. Cosio², H. Wade³, M. Ryan¹, C. Cortese³, L. Cornell², M. Keddis¹, ¹Nephrology, Mayo Clinic, Scottsdale, AZ, ²Nephrology, Mayo Clinic, Rochester, MN, ³Nephrology, Mayo Clinic, Jacksonville, FL

6:10 PM - 6:15 PM

Kidney Donor Risk Index: Significance as a Predictor of Kidney Transplant Outcomes Beyond Allograft Survival, Analysis of 18 Adjusted Regression Models Involving Adult Deceased Donor Kidney Recipients
A. Santos, E. Bueno, M. A. Leghrouz, University of Florida, Gainesville, FL

6:15 PM - 6:20 PM

The Effect of Delayed Graft Function on Early versus Late Mortality Following Kidney Transplantation
W. Irish¹, Y. Fu², D. B. Leiser¹, K. V. Ravindra³, C. Haisch¹, J. Tuttle¹, ¹Surgery, East Carolina University, Greenville, NC, ²Mathematics, East Carolina University, Greenville, NC, ³Surgery, Duke University, Durham, NC

6:20 PM - 6:25 PM

Outcomes of Kidney Transplant Recipients With Sickle Cell Disease: An Analysis of the 2000-2019 UNOS/OPTN Database

N. Leeaphorn¹, C. Thongprayoon², C. Jadowiec³, A. Chewcharat⁴, P. Hansrivijit⁵, S. Katari¹, P. Vaitla⁶, L. Cummings¹, M. Cooper⁷, W. Cheungpasitporn², ¹*Saint Luke's Health System, Kansas City, MO*, ²*Mayo Clinic, Rochester, MN*, ³*Mayo Clinic, Phoenix, AZ*, ⁴*Mount Auburn Hospital, Cambridge, MA*, ⁵*University of Pittsburgh Medical Center Pinnacle, Harrisburg, PA*, ⁶*University of Mississippi Medical Center, Jackson, MS*, ⁷*Medstar Georgetown Transplant Institute, Washington, DC*

6:25 PM - 6:30 PM

Worsening Impact of Acute Kidney Rejection on Long Term Graft Survival from 2000 to 2014

D. Leaser¹, W. Irish¹, K. Ravindra², V. Villani², A. Connor², J. Tuttle¹, ¹*Surgery, East Carolina University, Greenville, NC*, ²*Surgery, Duke University, Durham, NC*

6:30 PM - 6:35 PM

Angiotensin II Type-1 Receptor Antibodies are Associated with Inferior Renal Allograft Survival

P. Martin, E. Santos, N. Gunby, M. Willicombe, *Renal Department, Imperial College Healthcare NHS Trust, London, United Kingdom*

6:35 PM - 6:40 PM

Post-Transplant Idiopathic Immune Complex Glomerulonephritis

F. Aziz, T. Singh, N. Garg, D. Mandelbrot, *University of Wisconsin, Madison, WI*

6:40 PM - 7:00 PM

Live Video Question and Answer

Program Topic: ID

Infections in Kidney Recipients

6:00 PM - 7:00 PM

Moderators:

Maricar Malinis, MD, Yale School of Medicine, Associate Professor of Medicine and Surgery (Transplant), New Haven, CT, USA

Elena Beam, M.D., Mayo Clinic College of Medicine, Consultant, Infectious Disease, Rochester, MN, USA

6:00 PM - 6:05 PM

Posttransplant Malignancy in HIV+ Kidney Transplant Recipients

D. Sawinski¹, R. Fitzsimmons¹, J. Locke², J. Trofe-Clark¹, B. Shelton², P. Reese¹, E. Blumberg¹, ¹*Hospital of the University of Pennsylvania, Philadelphia, PA*, ²*University of Alabama at Birmingham, Birmingham, AL*

6:05 PM - 6:10 PM

Influence of Induction Therapy and Antiretroviral Regimen on Outcomes in HIV Positive Renal Transplant Recipients

C. Rogers Marks¹, C. Durand², J. Hand³, M. Abidi⁴, M. Malinis⁵, B. Barnaba², H. Patel⁶, C. D. Alonso⁶, ¹*Massachusetts General Hospital, Boston, MA*, ²*Johns Hopkins Medical Center, Baltimore, MD*, ³*Ochsner Medical Center, New Orleans, LA*, ⁴*Univ. of Colorado, Aurora, CO*, ⁵*Yale, New Haven, CT*, ⁶*Beth Israel Deaconess Medical Center, Boston, MA*

6:10 PM - 6:15 PM

Outcomes of Kidney Transplantation in HIV Positive Highly Sensitized Recipients

S. Karhadkar, J. Panichella, H. Resweber, K. Nguyen, A. Di Carlo, S. Karhadkar, *Temple University School of Medicine, Philadelphia, PA*

6:15 PM - 6:20 PM

Infectious Complications After Belatacept Conversion in Kidney Transplant

J. E. Marvin¹, D. Amenyedor¹, M. M. Azar², K. Belfield¹, V. Do¹, R. Formica³, E. Cohen¹, ¹*Pharmacy, Yale New Haven Hospital, New Haven, CT*, ²*Section of Infectious Diseases,*

Yale School of Medicine, New Haven, CT,
³Section of Nephrology, Yale School of
 Medicine, New Haven, CT

6:20 PM - 6:25 PM

**Optimal Antimicrobial Duration for Donor
 Positive Cultures in Kidney Transplant
 Recipients**

J. Ferrante, K. Schnelle, M. Palettas, S.
 Sarwar, H. Winters, M. Chunduru, *Pharmacy,*
The Ohio State University Wexner Medical
Center, Columbus, OH

6:25 PM - 6:30 PM

**Treatment of Biopsy-Proven Pyelonephritis of
 the Transplanted Kidney is Associated with
 Better Graft Outcomes**

F. Aziz, C. Saddler, J. Alstott, K. Swanson,
 S. Parajuli, N. Garg, A. Djamali, D.
 Mandelbrot, *University of Wisconsin,*
Madison, WI

6:30 PM - 6:35 PM

**The Metagenomic Landscape of Renal
 Transplant**

A. Johnson¹, G. Karadkhele², C. Larsen²,
¹Emory University, Atlanta, GA, ²Surgery,
 Emory University, Atlanta, GA

6:35 PM - 6:40 PM

**Impact of High-Risk EBV Discordance Status
 on Survival Outcomes in Kidney Transplant
 Recipients: A Multivariable Analysis**

A. Dinesh¹, S. Jackson², T. L. Pruett¹, S.
 Riad³, ¹Division of Transplantation,
 Department of Surgery, University of
 Minnesota, Minneapolis, MN, ²Biostatistics,
 Analytics Consulting Services- Solid Organ
 Transplant, M Health Fairview, Minneapolis,
 MN, ³Department of Medicine, University of
 Minnesota, Minneapolis, MN

6:40 PM - 7:00 PM

Live Video Question and Answer

Program Topic: Pharmacy

**The Metabolism Milieu: Updates in
 Pharmacokinetics and
 Pharmacogenomics**

6:00 PM - 7:00 PM

Moderators:

Patricia West-Thielke, PharmD, University
 of Illinois, Chicago, IL, USA

Rita Alloway, Pharm D, FCCP, Univ of
 Cincinnati Coll of Med, Research Professor,
 Cincinnati, OH, USA

6:00 PM - 6:05 PM

**Economic and Clinical Benefit of Cmv
 Matching in Kidney Transplantation**

D. Axelrod¹, S. Chang², A. Olyaei³, D.
 Malinoski³, D. Norman³, K. Lentine⁴, M.
 Schnitzler⁴, D. Segev⁵, J. Lockridge³, ¹Univ
 of Iowa, Iowa City, IA, ²Washington Univ,
 Seattle, WA, ³Oregon Health Sciences Univ,
 Portland, OR, ⁴Saint Louis Univ, Saint Louis,
 MO, ⁵Johns Hopkins, Baltimore, MD

6:05 PM - 6:10 PM

**Belatacept Pharmacokinetic Analysis
 Comparing Belatacept Early Steroid
 Withdrawal Trial (BEST) with Benefit and
 Benefit-ext Trials**

A. Bickenbach¹, M. McGowan¹, B.
 Miyagawa², T. Mizuno², A. Shields³, A.
 Christianson¹, P. West-Thielke⁴, J. Leone⁵,
 E. Woodle¹, D. Kaufman⁶, A. Wiseman⁷, A.
 Matas⁸, A. Vinks², ¹U Cincinnati, Cincinnati,
 OH, ²Cincinnati Childrens Med Center,
 Cincinnati, OH, ³Christ Hospital, Cincinnati,
 OH, ⁴UIC, Chicago, IL, ⁵Tampa Gen, Tampa,
 FL, ⁶U Wisconsin, Madison, WI, ⁷Centura
 Transplant, Denver, CO, ⁸U Minnesota,
 Minneapolis, MN

6:10 PM - 6:15 PM

**Cyp3a5 Extensive Metabolizer Phenotype May
 be Associated with an Increase in Class 2
 Donor Specific Antibodies and Antibody-
 Mediated Rejection**

S. Mirza¹, N. Wilson², J. Van Zyl², P. Nguyen², T. Sam², S. Hall², M. Askar², R. Patel², ¹Texas Tech Univeristy Health Sciences Center Jerry H. Hodge School of Pharmacy, Dallas, TX, ²Baylor University Medical Center at Dallas, Dallas, TX

6:15 PM - 6:20 PM

Evaluate the Effect of Cresemba (isavuconazonium Sulfate) Capsule and Noxafil (posaconazole) Delayed Release Tablets on Tacrolimus Dose to Concentration (D/C) Ratios in Lung Transplant Recipients
H. Sweiss¹, E. Kincaide¹, D. Levine², R. Hall¹, ¹University Health, San Antonio, Department of Pharmacotherapy and Pharmacy Services, The University of Texas at Austin, Pharmacotherapy Division, College of Pharmacy, San Antonio, TX, ²University Health, San Antonio, University of Texas Health Science Center at San Antonio, San Antonio, TX

6:20 PM - 6:25 PM

ABCC2 Haplotypes Associations to Mycophenolic Acid Pharmacokinetics in Stable Renal Transplant Recipients
K. Tornatore¹, D. Brazeau², C. Meaney³, J. Consiglio⁴, A. Gundroo⁵, S. Chang⁶, G. Wilding⁴, L. Cooper³, ¹Pharmacy Practice, School of Pharmacy; University at Buffalo-SUNY, Buffalo, NY, ²Pharmacy Practice, Marshall University, Huntington, WV, ³Pharmacy Practice, School of Pharmacy; University at Buffalo, Buffalo, NY, ⁴Biostatistics, School of Public Health; University at Buffalo, Buffalo, NY, ⁵Medicine, School of Medicine; Ohio State University, Columbus, OH, ⁶Medicine, School of Medicine; University at Buffalo, Buffalo, NY

6:25 PM - 6:30 PM

Impact of Cypa5 Status on the Clinical and Financial Outcomes of Kidney Transplant
J. Obayemi¹, B. Keating², K. Lentine³, M. Schnitzler³, H. Xiao³, V. Dharnidharka⁴, D. Axelrod⁵, ¹Univ of Michigan, Ann Arbor, MI, ²Univ of Pennsylvania, Philadelphia, PA,

³Saint Louis Univ, Saint Louis, MO, ⁴Washington Univ, Seattle, WA, ⁵Univ of Iowa, Iowa City, IA

6:30 PM - 6:35 PM

Pharmacokinetic Analysis of Direct Acting Antiviral Use on Weight-Adjusted FK506 Trough/dose Ratios in Obese Kidney Transplant Recipients

A. Demirag¹, P. L. Lobo², J. Oberholzer¹, A. Kumar², B. Rawashdeh¹, S. L. Lennon¹, H. N. Guvener Demirag¹, A. Doyle², J. Geystone³, K. L. Brayman¹, ¹Transplantation, University of Virginia Medical Center, Charlottesville, VA, ²Transplantation Nephrology, University of Virginia Medical Center, Charlottesville, VA, ³Clinical Pharmacy, University of Virginia Medical Center, Charlottesville, VA

6:35 PM - 6:40 PM

De-novo Use Comparison Between Extended-release Once-daily Tacrolimus (Envarsus Xr®) and Immediate-release Twice-daily Tacrolimus (Prograf®) - A Single Center's Experience

N. Singh¹, T. Le¹, M. S. Naseer¹, S. Asmil¹, A. Palermini¹, A. Qamar¹, R. Chand¹, S. Tandukar¹, D. Aultman², H. Shokouh-Amiri², G. Zibari², ¹Transplant, John C. McDonald Regional Transplant Center - Willis Knighton Medical Center, Shreveport, LA, ²Advanced Surgery, John C. McDonald Regional Transplant Center - Willis Knighton Medical Center, Shreveport, LA

6:40 PM - 7:00 PM

Live Video Question and Answer

Program Topic: Liver

MELD, Allocation and Donor Issues

6:00 PM - 7:00 PM

Moderators:

Daniela Ladner, MD, MPH, Northwestern Memorial Hospital, X, Chicago, IL, USA

Adam Bodzin, MD, University of California
Los Angeles (Multi-organ), Philadelphia, PA,
USA

6:00 PM - 6:05 PM

Improved Outcomes Over Time of Extended Criteria Donor Grafts for Acute-on-chronic Liver Failure

T. Kitajima, T. Ivanics, D. Moonka, T. Shamaa, A. Mohamed, K. Delvecchio, K. Collins, M. Rizzari, A. Yoshida, M. Abouljoud, S. Nagai, *Transplant and Hepatobiliary Surgery, Henry Ford Hospital, Detroit, MI*

6:05 PM - 6:10 PM

Impact of Transplant Center Volume on Utilization of and Outcomes Following Donation After Circulatory Death Liver Transplantation in the United States

S. Kumar¹, S. Lin², J. D. Schold², ¹*Digestive Disease Institute, Cleveland Clinic Abu Dhabi, Abu Dhabi, United Arab Emirates*, ²*Department of Quantitative Health Sciences, Cleveland Clinic Foundation, Cleveland, OH*

6:10 PM - 6:15 PM

The Impact of Donor and Recipient Age Difference on Long Term Prognosis in Young Liver Transplant Recipients

A. Pita, A. Moro, J. C. McVey, D. J. Firl, M. Fujiki, T. Diago, C. Quintini, F. Aucejo, C. D. Kwon, K. V. Menon, K. Hashimoto, B. Eghtesad, C. Miller, K. Sasaki, *The Cleveland Clinic, Cleveland, OH*

6:15 PM - 6:20 PM

State-level Trend in the Prevalence of Non-alcoholic Steatohepatitis for Liver Transplant Candidates in the United States, 2001-2017

S. Chang¹, M. Wang¹, M. Pozo², D. Ladner², D. Borja-Cacho², ¹*Washington University School of Medicine, Saint Louis, MO*, ²*Northwestern University, Chicago, IL*

6:20 PM - 6:25 PM

Liver Transplant Justified at Any Meld Score?

H. Oden-Brunson, E. Godfrey, H. Flores, A. Rana, *Baylor College of Medicine, Houston*,

TX

6:25 PM - 6:30 PM

Impact of Graft Quality on Patient Survival in Sick Patients

G. Handing¹, S. Keeling¹, C. Christmann¹, N. Galvan², C. O'Mahony², J. Goss², R. Cotton², A. Rana², ¹*School of Medicine, Baylor College of Medicine, Houston, TX*, ²*Michael E DeBakey Department of Surgery, Division of Abdominal Transplant, Houston, TX*

6:30 PM - 6:35 PM

Classification of Distinct Patterns of Ischemic Cholangiopathy Following DCD Liver Transplantation: Distinct Clinical Courses and Long-Term Outcomes from a Multicenter Cohort

K. P. Croome¹, A. K. Mathur², B. Aqel², L. Yang¹, J. K. Heimbach³, T. Taner³, C. B. Rosen³, R. Paz-Fumagalli¹, C. Taner¹, ¹*Mayo Clinic Jacksonville, Jacksonville, FL*, ²*Mayo Clinic Arizona, Scottsdale, AZ*, ³*Mayo Clinic Rochester, Rochester, MN*

6:35 PM - 6:40 PM

The Unintended Financial Consequences of Acuity Circles for Liver Allocation - Two-fold Increase in Import Fees and Higher Organ Acquisition Cost Despite Unchanged Travel Patterns

A. Wall, S. Asrani, G. McKenna, E. Martinez, R. Ruiz, H. Fernandez, J. Bayer, A. Gupta, N. Onaca, R. Goldstein, J. Trotter, G. Testa, *Abdominal Transplant Surgery, Baylor University Medical Center, Dallas, TX*

6:40 PM - 7:00 PM

Live Video Question and Answer

Program Topic: Kidney

Kidney Desensitization/KPD

6:00 PM - 7:00 PM

Moderators:

Julie Yabu, MD, University of California, Los Angeles, Associate Professor, Los Angeles,

CA, USA

Stanley Jordan, MD, Cedars Sinai Medical Ctr, X, West Hollywood, CA, USA

6:00 PM - 6:05 PM

Desensitization Using Clazakizumab® (anti-il-6) in Highly-hla Sensitized Patients Awaiting Kidney Transplant (nct03380962)

A. A. Vo¹, N. Ammerman¹, E. Huang¹, M. Toyoda², S. Ge², A. Peng¹, R. Najjar¹, S. Sethi¹, S. Williamson¹, C. Myers¹, K. Lim¹, M. Gillespie¹, S. Jordan¹, ¹Kidney Transplant, Cedars Sinai Medical Ctr, Los Angeles, CA, ²Transplant Immunology Laboratory, Cedars Sinai Medical Ctr, Los Angeles, CA

6:05 PM - 6:10 PM

The Effect of Daratumumab (Dara, Humanized Anti-CD38 Monoclonal Antibody) on Immune Cells In Vitro and in a HLA-Sensitized Kidney Transplant Patient (HS KTx Pt) Desensitized (DES) with Dara

S. Ge¹, M. Chu¹, A. De Guzman¹, E. Ortiz¹, A. Vo², N. Ammerman², S. C. Jordan², M. Toyoda¹, ¹Transplant Immunology Laboratory, Cedars Sinai Medical Center, Los Angeles, CA, ²Comprehensive Transplant Center, Cedars Sinai Medical Center, Los Angeles, CA

6:10 PM - 6:15 PM

Additional Value to Participation in a National Paired Kidney Exchange Program: Exploring Characteristics of Chain End Living Donors and Waitlist Recipients

N. Osbun¹, A. Thomas², M. Cooper³, S. Flechner⁴, D. Segev², J. Veale¹, ¹Urology, University of California Los Angeles, Los Angeles, CA, ²Johns Hopkins University, Baltimore, MD, ³Medstar Georgetown Transplant Institute, Washington DC, DC, ⁴Cleveland Clinic, Cleveland, OH

6:15 PM - 6:20 PM

Kidney Paired Exchange in Children in the United-states

J. Hogan¹, A. G. Thomas², J. Verbesey³, D. L. Segev⁴, ¹Transplant Research Center,

Department of Surgery, Emory University, Atlanta, GA, ²Department of Epidemiology, University of North Carolina, Chapel Hill, NC, ³Department of Surgery, Medstar Georgetown Transplant Institute, Washington, DC, ⁴Department of Surgery, Johns Hopkins University, Baltimore, MD

6:20 PM - 6:25 PM

Right Kidneys and Kidneys with Complex Anatomy are More Likely to be Transplanted to the Waiting List in a National Kidney Paired Donation Program

N. Osbun¹, A. Thomas², A. Waterman³, J. Veale¹, D. Segev², D. Leiser⁴, ¹Urology, University of California Los Angeles, Los Angeles, CA, ²Johns Hopkins University, Baltimore, MD, ³University of California Los Angeles, Los Angeles, CA, ⁴East Carolina University, Greenville, NC

6:25 PM - 6:30 PM

The Benefits of Sharing Non-Directed Donors Nationally Through Paired Exchange

J. Verbesey¹, A. G. Thomas², A. D. Waterman³, J. Vucci¹, G. Vranic¹, A. Gilbert¹, S. Ghasemian¹, M. Cooper¹, ¹Georgetown University Hospital, Washington, DC, ²Johns Hopkins University School of Medicine, Baltimore, MD, ³UCLA, Los Angeles, CA

6:30 PM - 7:00 PM

Live Video Question and Answer

Break

7:00 PM - 7:30 PM

Sponsor Networking

7:30 PM - 8:30 PM

Sponsor Networking

Poster Video Chat Sessions

7:30 PM - 8:30 PM

Program Topic: Public Policy & Ethics

Adherence, Economics, and Ethics

7:30 PM - 7:40 PM

Early Outcome of Heart-Kidney Transplantation in the Current Heart Allocation System in the United States
S. Rao¹, A. Doyle¹, D. Brennan², S. Constantinescu³, ¹University of Virginia, Charlottesville, VA, ²Johns Hopkins Medical Institute, Baltimore, MD, ³Lewis Katz School of Medicine at Temple University, Philadelphia, PA

7:40 PM - 7:50 PM

Liver Simulated Allocation Model Does Not Accurately Predict Organ Offer Decisions in Pediatric Liver Transplant Candidates
N. L. Wood¹, D. B. Mogul², E. K. Hsu³, E. R. Perito⁴, G. V. Mazariegos⁵, D. Vanderwerken¹, D. L. Segev², S. Gentry¹, ¹US Naval Academy, Annapolis, MD, ²Johns Hopkins, Baltimore, MD, ³Univ of Washington, Seattle, WA, ⁴UCSF, San Francisco, CA, ⁵Univ of Pittsburgh, Pittsburgh, PA

7:50 PM - 8:00 PM

Impact of Covid-19 in Transplant Care: Attitudes, Feeling and Behaviors of Liver, and Kidney Pre and Post Transplant Patients
J. Ramos-Ayes, Beth Israel Deaconess Medical Center, Boston, MA

8:00 PM - 8:10 PM

Influence of Frailty on Psychometric Factors and Health-related Quality of Life in Patients on the Waitlist for Liver Transplantation
C. G. Klein, J. Latuske, E. Malamutmann, A. Paul, A. Oezcelik, University Medicine Essen, Essen, Germany

8:10 PM - 8:20 PM

Psychosocial Factors Influencing Patients' Decision Making About Upper Extremity Vca
B. Kuramitsu¹, J. Gacki-Smith¹, A. Ferzola², K. Vanterpool², C. Kunkle³, M. Hewitt³, A.

Schultheis³, T. Riggleman³, J. Taylor³, C. Cooney², M. Levan², S. Tintle³, G. Brandacher², E. Gordon¹, ¹Northwestern University, Chicago, IL, ²Johns Hopkins University, Baltimore, MD, ³Walter Reed National Military Medical Center, Bethesda, MD

8:20 PM - 8:30 PM

Live Video Question and Answer

Program Topic: Liver

Liver 1

7:30 PM - 8:30 PM

Moderators:

Koji Hashimoto, MD, PhD, Cleveland Clinic, Director, Living Donor Liver Transplantation, Cleveland, OH, USA

7:30 PM - 7:40 PM

Developing and Validation of a Liver Transplantation Donation After Cardiac Death Risk Index Using the UNOS Database
L. Chau, K. Delvecchio, A. Mohamed, M. Lu, T. Kitajima, S. Yedulla, K. Collins, M. Rizzari, A. Yoshida, M. Abouljoud, S. Nagai, Division of Transplant and Hepatobiliary Surgery, Henry Ford Hospital, Detroit, MI

7:40 PM - 7:50 PM

Systematic Implementation of Alcohol Screening Program Using Urine Ethyl Glucuronide Can Identify Post-transplant Alcohol Use and Aid Return to Sobriety in Liver Transplant Recipients
N. Lim¹, T. Leventhal¹, M. Thomson¹, M. Hassan¹, J. Thompson¹, S. Chinnakotla², V. Kirchner², T. Pruett¹, R. Kandaswamy², V. Humphreville², A. Adams², J. Lake¹, ¹Division of Gastroenterology, Hepatology and Nutrition, University of Minnesota, Minneapolis, MN, ²Division of Transplantation, University of Minnesota, Minneapolis, MN

7:50 PM - 8:00 PM

Impact of Extended Living Donor Criteria on Donor Safety in Living Donor Liver Transplantation

J. KIM, Department of Surgery, Catholic University of Daegu College of Medicine, Daegu, Korea, Republic of

8:20 PM - 8:30 PM

Live Video Question and Answer

Program Topic: Lung

Lung Transplant Topics

7:30 PM - 8:30 PM

Moderators:

Rhea Varughese, MD MSc FRCPC, University of Alberta, Assistant Professor, Edmonton, AB, Canada

Kelly Pennington, MD, Rochester, MN, USA

7:30 PM - 7:40 PM

Pre Transplant Estimated Glomerular Filtration Rate and Other Predictors of Mortality and End Stage Kidney Disease After Lung Transplantation

A. Kumar¹, L. N. Bonnell², C. Thomas³,
¹Internal Medicine, University of Vermont, Burlington, VT, ²Department of General Internal Medicine Research, University of Vermont, Burlington, VT, ³Internal Medicine, University of Iowa, Iowa City, IA

7:40 PM - 7:50 PM

20 Year Survival Following Lung Transplantation

R. M. Reul, Jr¹, S. Barrett¹, A. Alnajar², J. Dunson¹, P. S. Garcha³, G. Loo⁴, J. A. Goss⁴, A. A. Rana⁴, ¹Office of Student Affairs, Baylor College of Medicine, Houston, TX, ²Department of Surgery, University of Miami Health System, Miami, FL, ³Department of Medicine, Baylor College of Medicine, Houston, TX, ⁴Michael E. DeBakey Department of Surgery, Baylor College of

Medicine, Houston, TX

7:50 PM - 8:00 PM

Basiliximab versus Alemtuzumab: The Association Between Induction Agent and Airway Complications Following Lung Transplantation

M. Furukawa¹, E. G. Chan¹, T. Harano¹, J. Ryan¹, R. Rivoecchi², M. R. Morrell¹, P. G. Sanchez¹, ¹Cardiothoracic Surgery, UPMC, Pittsburgh, PA, ²PUH-Pharmacy, UPMC, Pittsburgh, PA

8:00 PM - 8:10 PM

Sensitized Lung Candidates Experience Reduced Access to Donor Organs

K. Lindblad¹, R. Goff², D. Stewart², ¹UNOS, Richmond, VA, ²UNOS, Richmond, VA

8:10 PM - 8:20 PM

Lung Transplant Recipients with Severe Acute Respiratory Syndrome-Coronavirus 2 Infection and Asymptomatic Carriers Waiting for Lung Transplantation Induce Circulating Exosomes with Severe Acute Respiratory Syndrome-Coronavirus 2 Spike Protein S2
S. Bansal, S. Tokman, T. Fleming, M. Smith, R. Bremner, T. Mohanakumar, St. Joseph's Hospital and Medical Center, Phoenix, AZ

8:20 PM - 8:30 PM

Live Video Question and Answer

Program Topic: Pharmacy

Pharmacokinetics, Pharmacogenetics, and Drug Interactions, Oh My!

7:30 PM - 8:30 PM

Moderators:

Teena Sam, PharmD, Baylor University Medical Center, Clinical Pharmacy Coordinator; Transplant Pharmacist, Dallas, TX, USA

Kelly Birdwell, MD, MSCI, Vanderbilt University Medical Center, Assistant Professor of Medicine, Nashville, TN, USA

7:30 PM - 7:40 PM

Higher Number of Tacrolimus Dose Adjustments and Trough Level Measurements in Kidney Transplant Recipients with CYP3A5*1 Alleles

K. Reininger¹, G. Onyeaghala², T. Anderson-Haag¹, B. Wu², W. Guan², C. R. Dorr², R. Remmel², R. Mannon³, A. Matas², W. Oetting², A. Israni¹, P. Stahler¹, P. Jacobson², ¹Hennepin County Medical Center, Minneapolis, MN, ²University of Minnesota, Minneapolis, MN, ³University of Nebraska Medical Center, Omaha, NE

7:40 PM - 7:50 PM

The Impact of De Novo Dose-Adjustment Strategies with Tacrolimus XR (LCP-Tac) in Kidney Transplant Recipients

T. Carcella, F. Bartlett, N. Patel, V. Rohan, D. Taber, *Medical University of South Carolina, Charleston, SC*

7:50 PM - 8:00 PM

Managing the Significant Drug-Drug Interaction Between Tacrolimus and Letemovir in Solid Organ Transplant Recipients

J. Hedvat, J. Choe, D. Salerno, J. Scheffert, D. Bley, A. Anamisis, T. Shertel, J. Lee, E. Liu, N. W. Lange, *NewYork-Presbyterian Hospital, New York, NY*

8:00 PM - 8:10 PM

Tacrolimus Therapeutic Exposure is Not Consistently Predicted by Target Troughs or CYP3A5 Variants in Stable Renal Transplant Recipients

K. Tornatore¹, K. Attwood², D. Brazeau³, B. Murray⁴, ¹Pharmacy Practice, School of Pharmacy; University at Buffalo, Buffalo, NY, ²Biostatistics, School of Public Health; University at Buffalo, Buffalo, NY, ³Pharmacy Practice, School of Pharmacy; Marshall University, Huntington, WV, ⁴Medicine, Erie County Medical Center Corp., Buffalo, NY

8:20 PM - 8:30 PM

Live Video Question and Answer

Program Topic: Kidney

Kidney Deceased Donor Allocation 2

7:30 PM - 8:30 PM

Moderators:

Dan Brennan, MD, Johns Hopkins, Professor of Medicine, Baltimore, MD, USA
Kenneth Newell, MD, PhD, Emory University School of Medicine, Professor of Surgery and Vice Chair for Academic Affairs, Atlanta, GA, USA

7:30 PM - 7:40 PM

The Impact of Combined Warm and Cold Ischemia Times on Post Transplant Outcomes

M. E. Foley¹, A. J. Vinson², K. K. Tennankore², ¹Faculty of Medicine, Dalhousie University, Halifax, NS, Canada, ²Division of Nephrology, Medicine, Dalhousie University/ Nova Scotia Health, Halifax, NS, Canada

7:40 PM - 7:50 PM

Non-Invasive Measurement of Transplant Kidney Fibrosis Using Photoacoustic Imaging

E. Hysi¹, X. He¹, A. Krizova¹, M. Ordon¹, K. T. Pace¹, M. Farcas¹, M. C. Kolios², D. A. Yuen¹, ¹St. Michael's Hospital, Toronto, ON, Canada, ²Ryerson University, Toronto, ON, Canada

7:50 PM - 8:00 PM

Towards National Organ Sharing: Fair Distribution of Eplets in Canada

S. Parto, B. Liu, W. Klement, S. Oikonomopoulos, I. Ragoussis, R. Sapir-Pichhadze, *McGill University, Montreal, QC, Canada*

8:00 PM - 8:10 PM

Effect of Multi-Organ Transplant Allocation on Pediatric Kidney Waitlist Candidates

D. Shepherd, R. M. Engen, *Pediatric Nephrology, Ann & Robert H. Lurie Children's Hospital, Chicago, IL*

8:10 PM - 8:20 PM

Response to a Pandemic: The Fall and Rise of Kidney Transplantation in the US

S. Bisen¹, B. Boyarsky¹, W. Werbel¹, J. Snyder², J. Garonzik-Wang¹, D. Segev¹, A. Massie¹, ¹JHU, Baltimore, MD, ²SRTR, Minneapolis, MN

8:20 PM - 8:30 PM

Live Video Question and Answer

Monday, June 7, 2021

Welcome

8:45 AM - 9:00 AM

IMPACT Sessions

9:00 AM - 10:00 AM

Program Topic: Translational

Taking the Next Step in Organ Perfusion: From Preservation to Personalized Repair

9:00 AM - 10:00 AM

Moderators:

Korkut Uygun, PhD, Massachusetts General Hospital, Assoc Prof Surgery, Boston, MA, USA

Andrew Barbas, MD, Duke University, Assistant Professor of Surgery, Division of Abdominal Transplant, Durham, NC, USA

9:00 AM - 9:10 AM

Clinical Trial Design for Marginal Organ Utilization after Pre-transplant Repair

Peter Friend, MD, University of Oxford, Professor of Transplantation, Oxford, United Kingdom

9:10 AM - 9:20 AM

Pre-transplant Therapies During Organ Perfusion: The State of the Art

Gregory Tietjen, PhD, Yale University School of Medicine, Assistant Professor, New Haven, CT, USA

9:20 AM - 9:30 AM

Where Should Pre-transplant Organ Repair Happen? The Pros and Cons of Centers-of-Care Versus Recipient Centers

Shaf Keshavjee, MD, Toronto General Hospital, Toronto, ON, Canada

9:30 AM - 10:00 AM

Live Video Question and Answer

Program Topic: Liver

**Above and Below the Diaphragm:
Pulmonary Vascular Disease and Liver
Transplantation**

9:00 AM - 10:00 AM

Moderators:

Keith Wille, MD, Univ of Alabama at Birmingham, Professor of Medicine, Birmingham, AL, USA

Lindsay King, MD, MPH, Duke, Assistant Professor of Medicine, Durham, NC, USA

9:00 AM - 9:10 AM

Diagnostic Strategies for the Evaluation of Pulmonary Vascular Disease in Chronic Liver Disease

Deborah Levine, MD, university of Texas Health, Medical Director of Lung Transplantation/Director of Pulmonary Hypertension, San Antonio, TX, USA

9:10 AM - 9:20 AM

Outcomes of Liver Transplantation for Hepatopulmonary Syndrome - Should Transplantation be Performed in Patients with Severe Hypoxemia?

Michael Fallon, MD, FACP, AGAF, FAASLD, UArizona College of Medicine-Phoenix, Professor of Medicine and Chair Department of Medicine, Phoenix, AZ, USA

9:20 AM - 9:30 AM

Management of Portopulmonary Hypertension Pre and Post Liver Transplantation

Michael Krowka, MD, Mayo Clinic, Professor of medicine, Rochester, MN, USA

9:30 AM - 10:00 AM

Live Video Question and Answer

Program Topic: VCA

Novel Strategies to Modulate Innate and Adaptive Immunity in VCA

9:00 AM - 10:00 AM

Moderators:

Bruce Gelb, M.D., NYU Langone Medical Center, Medical Director, VCA Transplant Program, New York, NY, USA

Sue McDiarmid, MD, UCLA Medical Center, Professor of Pediatrics and Surgery, PACIFIC PALISADES, CA, USA

9:00 AM - 9:10 AM

The Science of Immunosuppression in VCA

Stefan Tullius, MD, PhD, Brigham & Women's Hospital, Chief, Division of Transplant Surgery, Boston, MA, USA

9:10 AM - 9:20 AM

Novel Insights into Mechanisms of Ischemia Reperfusion Injury in VCA

Jerzy Kupiec-Weglinski, MD, PhD, UCLA Medical Center, PROFESSOR OF SURGERY, Los Angeles, CA, USA

9:20 AM - 9:30 AM

Immunological Opportunities and Hurdles for Tolerance Induction in VCA

Wayne Hancock, MD PhD, Childrens Hospital of Philadelphia, Professor of Pathology and Laboratory Medicine, Philadelphia, PA, USA

9:30 AM - 10:00 AM

Live Video Question and Answer

Program Topic: Ethics

Incorporating New Data into Selection of Living Kidney Donors: Minor Modifications or Fundamental Changes?

9:00 AM - 10:00 AM

Moderators:

Kenneth Newell, MD, PhD, Emory University School of Medicine, Professor of Surgery and Vice Chair for Faculty Affairs, Atlanta, GA, USA

Emilio Poggio, MD, Cleveland Clinic, MD, Cleveland, OH, USA

9:00 AM - 9:10 AM

Review the Old and New Outcome Data Underlying the Classic and New Paradigms for Selection of Living Kidney Donors
Vineeta Kumar, M.D., University of Alabama at Birmingham, Professor of Medicine, Endowed Professor in Transplant Nephrology, Birmingham, AL, USA

9:10 AM - 9:20 AM

Time for a Change: Unacceptable Candidates of the Past may be Acceptable; It's Time to Redefine Acceptable Candidates for Living Kidney Donation
Robert Steiner, MD, UCSD Medical Center, Transplant Nephrology, San Diego, CA, USA

9:20 AM - 9:30 AM

Old is Gold: The Classic Selection Paradigm was "Almost Right" and will Continue to Serve us well, Perhaps with Minor Modifications
Arthur Matas, MD, University of Minnesota Medical School, Professor of Surgery, Minneapolis, MN, USA

9:30 AM - 10:00 AM

Live Video Question and Answer

Program Topic: ID

Population Health Improves Transplant Outcomes

9:00 AM - 10:00 AM

Moderators:

Lilian Abbo, MD, University Of Miami Miller School of Medicine, Professor of Clinical Infectious Diseases, Miami, FL, USA
Cameron Wolfe, MBBS, MPH, Duke University Medical Center, Associate Professor of Medicine, Durham, NC, USA

9:10 AM - 9:20 AM

Antimicrobials as Precision Medicine: Opportunities for Individualized Care
Graeme Forrest, MBBS, Rush University medical Center, Professor of Medicine,

Chicago, IL, USA

9:00 AM - 9:10 AM

Improving Patient Outcomes Together: Engaging in Stewardship Across Disciplines
Margaret Jorgenson, UW Health, Madison, WI, USA

9:20 AM - 9:30 AM

Standardizing Infection Prevention and Control Strategies: Where is the Evidence?
Elena Beam, M.D, Mayo Clinic College of Medicine, Assistant Professor, Rochester, MN, USA

9:30 AM - 10:00 AM

Live Video Question and Answer

Program Topic: Kidney

APOL1 and Living Donation: Donors and Recipients

9:00 AM - 10:00 AM

Moderators:

Caroline Jadowiec, MD, Mayo Clinic Arizona, Dr., Phoenix, AZ, USA
Nadeen Khoury, MD, Henry Ford Transplant Institute, Transplant Nephrologist, Detroit, MI, USA

9:00 AM - 9:10 AM

APOL1 and Transplant Recipient Outcomes
Amber Reeves-Daniel, DO, Wake Forest School of Medicine, Associate Professor, Winston Salem, NC, USA

9:10 AM - 9:20 AM

APOL1, Potential Donors, and Living Donation

Mona Doshi, MBBS, University of Michigan, Professor, Ann Arbor, MI, USA

9:20 AM - 9:30 AM

APOL1, Hypertension and Chronic Kidney Disease, Ethics of Genetic Testing and Psychosocial Implications
John Friedewald, MD, FAST, Northwestern

University, Professor of Medicine & Surgery,
 Chicago, IL, USA

9:30 AM - 10:00 AM
 Live Video Question and Answer

Program Topic: APP

Pathway to Publishing

9:00 AM - 10:00 AM

Moderators:

Karen Kerepesi, PA-C, MPAS, Cleveland Clinic, physician assistant, abdominal transplant, Cleveland, OH, USA

9:00 AM - 9:10 AM

Recognizing Clinical Opportunities for Translational Research and Initial Steps

Annette Needham, DNP, NP-C, CCTC, UC Davis Transplant Center, Transplant Quality Manager, Sacramento, CA, USA

9:10 AM - 9:20 AM

Implementing Fundamental Steps in the Research Process

Haley Hoy, PhD, NP, University of Alabama Huntsville/Vanderbilt Medical Center, Nurse Practitioner, Huntsville, AL, USA

9:20 AM - 9:30 AM

Pearls for the Clinician in Addressing Common Barriers to Research

Stacey Lerret, PhD, CPNP-AC/PC, CCTC, FAAN, Medical College of Wisconsin, Associate Professor, Milwaukee, WI, USA

9:30 AM - 10:00 AM

Live Video Question and Answer

Program Topic: Pharmacy & Liver

Help Me Stay Sober After Liver Transplantation – Multimodal Multidisciplinary Approach

9:00 AM - 10:00 AM

Moderators:

Sheila Jowsey-Gregoire, MD, Mayo Clinic
Shirley Tsunoda, PharmD, University of California San Diego

9:00 AM - 9:10 AM

Staying Sober: Pre-Transplant Assessment and Post-Transplant Monitoring

Vinay Sundaram, MD, Cedars Sinai, Director, Hepatology Outcomes Research, Los Angeles, CA, USA

9:10 AM - 9:20 AM

Multidisciplinary Approaches to Achieve Success in Maintaining Patient Sobriety Post-Liver Transplantation

Gerald Scott Winder, MD MSc, University of Michigan, Clinical Associate Professor, Ann Arbor, MI, USA

9:20 AM - 9:30 AM

Therapeutic Strategies for Treating Alcohol Relapse Post-Transplantation

Jeong Park, MS, PharmD, University of Michigan, Clinical Professor, Ann Arbor, MI, USA

9:30 AM - 10:00 AM

Live Video Question and Answer

Program Topic: Basic

Novel Approaches for Immune Modulation of the CD154 Pathway in Transplantation: New Tricks for an Old Dog

9:00 AM - 10:00 AM

Moderators:

Christian Larsen, MD, PhD, Emory University, Co-Director Emory Transplant Center, Atlanta, GA, USA

Marilia Cascalho, MD PhD, University of Michigan, Associate Professor, Ann Arbor, MI, USA

9:00 AM - 9:10 AM

Costimulation Blockade Promote Donor-

specific B cells Differentiation into Suppressors of B cell Responses
Anita Chong, PhD, The University of Chicago Medicine, Professor, Chicago, IL, USA

9:10 AM - 9:20 AM
CD11b is a Novel Alternate Receptor for CD154 during Alloimmunity
Mandy Ford, PhD, Emory University, Professor, Atlanta, GA, USA

9:20 AM - 9:30 AM
Anti-CD40 in Combination with Apoptotic Donor Cells to Promote Islet Allograft Tolerance
Xunrong Luo, MD, PhD, Duke University School of Medicine, Professor of Medicine, Durham, NC, USA

9:30 AM - 10:00 AM
 Live Video Question and Answer

Program Topic: Pediatric

Walking the Tightrope: Malignancies after Pediatric Solid Organ Transplantation (SOT)

9:00 AM - 10:00 AM
 Moderators:
Vikas Dharnidharka, MD, MPH, Washington University in St. Louis, Professor and Vice-Chair, Pediatrics, St. Louis, MO, USA
Nicole Hayde, MD, MS, Montefiore Medical Center, Medical Director, Pediatric Kidney Transplantation, Bronx, NY, USA

9:00 AM - 9:10 AM
Graft Outcomes Following Malignancies in Pediatric SOT
Lars Pape, M.D., PhD, University Hospital of Essen, Prof. Dr. med., Essen, Germany

9:10 AM - 9:20 AM
Where are We At: Current Status of Malignancies after Pediatric Solid Organ Transplantation

Rahul Chanchlani, MD, McMaster University, Hamilton, Ontario, Canada

9:20 AM - 9:30 AM
Prevention Strategies, Including the One Vaccine That Can Prevent Cancer: HPV Vaccine

Corina Nailescu, MD, Riley Hospital for Children, Associate Professor of Clinical Pediatrics, Indianapolis, IN, USA

9:30 AM - 10:00 AM
 Live Video Question and Answer

Program Topic: Kidney

How Best to Optimize Deceased Donor Kidneys for Organ Transplantation in 2021?

9:00 AM - 10:00 AM
 Moderators:
Sundaram Hariharan, MD, Starzl Transplant Institute, Univ of Pittsburgh Med Center, Professor of Medicine and Surgery, Pittsburgh, PA, USA
Harini Chakkera, MD, MPH, Mayo Clinic Arizona, Chair: Division of Nephrology, Phoenix, AZ, USA

9:00 AM - 9:10 AM
Use of AKI Kidneys from Deceased Donors for Kidney Transplantation
Raymond Heilman, MD, Mayo Clinic, Expanding the Utilization of Kidneys from Donors with Acute, Phoenix, AZ, USA

9:10 AM - 9:20 AM
Can we Utilize Some of the Organs that are Being Discarded in USA?
Sumit Mohan, MD, MPH, Columbia University Medical Center, New York, NY, USA

9:20 AM - 9:30 AM
Optimizing Kidney Transplant Outcome with High KDPI Kidneys

Michele Molinari, MD, MSc, FACS, Michele Molinari, Associate Professor, University of Pittsburgh Medical Center, Associate Professor, Pittsburgh, PA, USA

9:30 AM - 10:00 AM

Live Video Question and Answer

Break

10:00 AM - 10:30 AM

Plenary Oral Abstract Session 3

10:30 AM - 11:30 AM

Program Topic: All Topics

Plenary 3

10:30 AM - 11:30 AM

Moderators:

A. Osama Gaber, MD, Houston Methodist Hospital, Houston, TX, USA

John Gill, MD, MS, University of British Columbia, Professor of Medicine, Vancouver, BC, Canada

10:30 AM - 10:40 AM

Overall Survival by Best Overall Response with Tabelecleucel in Patients with Epstein-Barr Virus-Driven Post-Transplant Lymphoproliferative Disease After Solid Organ Transplant

S. Prockop¹, L. Gamelin², R. Dinavahi², Y. Sun², N. Guzman-Becerra², H. Parmar²,
¹Memorial Sloan Kettering Cancer Center, New York, NY, ²Atara Biotherapeutics, South San Francisco, CA

10:40 AM - 10:50 AM

TIGIT Agonism Improves Immunosuppression of Cd8 T Cells by Ctla-4ig in a Treg Dependent Manner

C. R. Hartigan, D. Liu, M. L. Ford, Emory University Transplant Center, Emory University, Atlanta, GA

10:50 AM - 11:00 AM

Donor-derived Cell-free DNA Distinguishes Acute Rejection from Other Causes of Graft Injury in Liver Transplant Recipients

J. Levitsky¹, M. Miller², R. Sinha², E. Bixler², A. Al-Turck², J. Weems², M. Altrich², S. Kleiboeker², M. Abecassis³,
¹Gastroenterology & Hepatology; Comprehensive Transplant Center, Northwestern University, Chicago, IL, ²Viracor Eurofins, Lees Summit, MO, ³University of Arizona College of Medicine Tucson, Tucson, AZ

11:00 AM - 11:10 AM

Measuring the Impact of Targeting FcRn-Mediated IgG Recycling on Donor-Specific Alloantibodies in a Sensitized NHP Model

M. Manook¹, W. Flores², R. Schmitz¹, Z. Fitch¹, J. Yoon¹, Y. Bae¹, B. I. Shaw¹, M. Harnois³, S. Permar³, A. Kirk¹, D. Magnani², J. Kwun¹, S. Knechtle¹, ¹Duke Transplant Center, Duke University Medical Center, Durham, NC, ²Massbiologics, University of Massachusetts Medical School, Boston, MA, ³Human Vaccine Institute, Duke University Medical Center, Durham, NC

11:10 AM - 11:30 AM

Live Video Question and Answer

Sponsor Networking

11:30 AM - 12:00 PM

Sponsor Networking

Sponsor Connect Sessions

11:30 AM - 12:00 PM

FCR001 Investigational Cellular Therapy in Living Donor Kidney Transplantation

Supported by Talaris Therapeutics

AJT 21st Anniversary Celebration & Awards

12:00 PM - 12:30 PM

AJT 21st Anniversary Celebration & Awards

12:00 PM - 12:05 PM

Introduction & Awards

Sandy Feng, MD, PhD, University of California San Francisco, San Francisco, CA, USA

12:05 PM - 12:10 PM

Past Editor-in-Chief

Philip Halloran, MD, University of Alberta, Edmonton AB, AB, Canada

12:10 PM - 12:15 PM

Past Editor-in-Chief

Allan Kirk, MD, PhD, Duke University Medical Center, Durham, NC, USA

12:15 PM - 12:30 PM

Editor-in-Chief

Sandy Feng, MD, PhD, University of California San Francisco, San Francisco, CA, USA

State-of-the-Art Lecture

12:30 PM - 1:00 PM

Program Topic: All Topics

Thomas Starzl State of the Art Lecture

12:35 PM - 1:00 PM

Development of Microbiota-Directed Complementary Foods for Treating Childhood Undernutrition

Jeffrey Gordon, MD, Washington University School of Medicine, St. Louis, MO, USA

Break

1:00 PM - 1:30 PM

Sponsored Satellite Symposia

1:30 PM - 2:30 PM

Advancing Care in Kidney Transplantation – Groundbreaking Findings from the ADMIRAL and K-OAR Studies

Supported by CareDx

Redefining the Management of CMV in SOT: Emerging Options for High-Risk Patients

Supported by an independent Grant from Takeda

Break

2:00 PM - 2:30 PM

IMPACT Sessions

3:00 PM - 4:00 PM

Program Topic: COVID-19

Late-Breaking: Immune Response to COVID-19 Infection and Vaccination in Kidney Transplant Recipients

3:00 PM - 4:00 PM

Moderators:

Jonathan Maltzman, MD, PhD, FAST, Stanford University, Associate Professor, Palo Alto, CA, USA

Madhav Menon, MBBS, MD, Yale University School of Medicine, Associate Professor, New York, NY, USA

3:00 PM - 3:15 PM

Prevalence and Dynamics of SARS-COV-2 IgG in Kidney Transplant Recipients

Yorg Azzi, MD, Montefiore Medical Center, Assistant Professor of Medicine, New York, NY, USA

3:15 PM - 3:30 PM

T Cell Immune Response to SARS-CoV-2 in Kidney Transplant Recipients

Paolo Cravedi, MD, PhD, Mount Sinai, Associate professor, New York, NY, USA

3:30 PM - 3:45 PM

Antibody Response to mRNA Vaccination in Kidney Transplant Recipients

Enver Akalin, M.D., Albert Einstein College of Medicine, Montefiore Medical Ctr, Professor of Medicine and Surgery, Bronx, NY, USA

3:45 PM - 4:00 PM

Live Video Question and Answer

Program Topic: Basic

Novel Targets for Transplant Immunosuppression

3:00 PM - 4:00 PM

Moderators:

Olivia Martinez, PhD, Stanford University School of Medicine, Professor and Director, Stanford, CA, USA

William Burlingham, PhD, University of Wisconsin, Professor Emeritus, Madison, WI, USA

3:00 PM - 3:10 PM

Disrupting Coronin 1 Signaling in T cell Promotes Allograft Tolerance While Maintaining Pathogen Responses

Jean Pieters, PhD, University of Basel, Professor, Basel, Switzerland

3:10 PM - 3:20 PM

Ablating IRF4 Promotes Transplant Acceptance by Driving T cell Dysfunction

Wenhao Chen, PhD, Houston Methodist, Role of IRF4 in transplant rejection and tolerance, Houston, TX, USA

3:20 PM - 4:00 PM

Live Video Question and Answer

Program Topic: Prof Develop

#MeToo in Academia: Enough is Enough!

3:00 PM - 4:00 PM

Moderators:

Deirdre Sawinski, MD, U Penn, Associate Professor of Medicine, Philadelphia, PA, USA

Samira Farouk, MD MS FASN, Icahn School of Medicine at Mount Sinai, Assistant Professor of Medicine & Medical Education, New York, NY, USA

3:00 PM - 3:10 PM

Let's Get Real (World): Dealing with Bias, Negotiation and Microaggressions Case Study

Bethany Foster, MD, Montreal Children's Hospital of the McGill University Health Centre, Professor of Pediatrics, Montreal, QC, Canada

3:10 PM - 3:20 PM

The State of Women in Transplant Medicine: Summary of the Report by the AAMC

Dianne McKay, MD, Scripps Research Institute

3:20 PM - 4:00 PM

Live Video Question and Answer

Program Topic: Translational

The Science of Biomarkers, or the Lack Thereof

3:00 PM - 4:00 PM

Moderators:

Matthew Levine, MD PhD, University of

Pennsylvania, Associate Professor of Surgery, Philadelphia, PA, USA
Dianne McKay, MD, Scripps Research Institute, La Jolla, CA, USA

3:00 PM - 3:10 PM

Biomarkers of Rejection

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

3:10 PM - 3:20 PM

Biomarkers in Acute Kidney Injury

Joseph Bonventre, MD PhD, Brigham and Women's Hospital, Samuel A Levine Distinguished Professor of Medicine, Harvard Medical School. Chief Division of Renal Medicine, Boston, MA, USA

3:20 PM - 3:30 PM

Challenges in Practical Application of Biomarkers in Transplantation

Roslyn Mannon, MD, University of Alabama, Professor of Medicine, Birmingham, AL, USA

3:30 PM - 4:00 PM

Live Video Controversy Discussion: Should We HLA Match in Organ Allocation - Yes

Peter Nickerson, MD, University of Manitoba, Distinguished Professor, Vice Dean (Research), Winnipeg, MB, Canada

Program Topic: Kidney

Is There Still a Role for Desensitization for Kidney Transplantation in the Modern Era?

3:00 PM - 4:00 PM

Moderators:

Robert Montgomery, MD, D Phil, FACS, NYU Langone Transplant Institute, H. Leon Pachter Chair and Professor of Surgery, New York, NY, USA

Carrie Schinstock, Medical Doctor, Mayo Clinic, Dr., Rochester, MN, USA

3:00 PM - 3:10 PM

Is There Still a Role for ABOi Kidney Transplantation

Bonnie Lonze, MD, PhD, NYU Langone Transplant Institute, Assistant Professor, NEW YORK, NY, USA

3:10 PM - 3:20 PM

New Options for Desensitization for Kidney Transplantation

Stanley Jordan, MD, Cedars Sinai Medical Ctr, Director Nephrology & Transplant Immunology, West Hollywood, CA, USA

3:20 PM - 3:30 PM

Have KAS and KPD Solved the Problem for Highly Sensitized Patients?

Mark Stegall, MD, Mayo Clinic, James C. Masson Professor of Surgery Research, Rochester, MN, USA

3:30 PM - 4:00 PM

Live Video Question and Answer

Program Topic: Liver

Disparities in Liver Transplantation

3:00 PM - 4:00 PM

Moderators:

Therese Bittermann, MD, MSCE, University of Pennsylvania, Assistant Professor of Medicine and Epidemiology, Philadelphia, PA, USA

Anji Wall, MD PhD, Baylor University Medical Center, Abdominal Transplant Surgeon, Dallas, TX, USA

3:00 PM - 3:10 PM

Impact of Race on Candidacy and Outcomes

Dineen Simpson, MD, Northwestern University, Chicago, IL, USA

3:10 PM - 3:20 PM

Impact of Socioeconomic Factors on Candidacy and Outcomes

Jayne Locke, MD, MPH, FACS, FAST, University of Alabama at Birmingham,

Professor of Surgery | Chief, Division of Transplantation | Director, Comprehensive Transplant Institute, Birmingham, AL, USA

3:20 PM - 3:30 PM

Impact of Obesity on Candidacy

Jeffrey Kahn, MD, USC, Associate Professor of Clinical Medicine, Los Angeles, CA, USA

3:30 PM - 4:00 PM

Live Video Question and Answer

Program Topic: Pharmacy

Innovative and Effective Tools to Reduce Hospital Readmissions Post-Transplant from the Viewpoint of a Transplant Physician, Pharmacist and Advance Practice Provider

3:00 PM - 4:00 PM

Moderators:

Demetra Tsapepas, PharmD, MBA, New York Presbyterian Hospital, Director of Transplant Quality and Analytics, New York, NY, USA

3:00 PM - 3:10 PM

Impact of Adverse Drug Events Contributing to Hospital Readmissions in Kidney Transplant Recipients and Strategies to Overcome

David Taber, PharmD, MS, BCPS, Med Univ of South Carolina, Professor, Charleston, SC, USA

3:10 PM - 3:20 PM

Not Just Physicians: The Expanded Role of Advanced Practice Providers to Improve Care Continuity and Reduce Hospital Readmissions Post Transplantation

Samantha Halpern, MSN, CRNP, Hospital of the University of Pennsylvania, Transplant Nurse Practitioner, Philadelphia, PA, USA

3:20 PM - 3:30 PM

See you at Home: Telemedicine-based Home Monitoring Program to Reduce Readmissions Post Liver Transplantation.

Shimul Shah, MD, MHCM, University of Cincinnati, Professor and Chief, Solid Organ Transplantation, Cincinnati, OH, USA

3:30 PM - 4:00 PM

Live Video Question and Answer

Program Topic: Kidney

Role of Surveillance Biopsy and Currently Approved Biomarkers for Diagnosing Acute Kidney Rejection: Clinical Application and Cost-effectiveness

3:00 PM - 4:00 PM

Moderators:

Jayme Locke, MD MPH FACS FAST, University of Birmingham at Alabama, Professor of Surgery | Chief, Division of Transplantation | Director, Comprehensive Transplant Institute, Birmingham, AL, USA
Sundaram Hariharan, MD, University of Pittsburgh Medical Center, Professor of Medicine and Surgery, Pittsburgh, PA, USA

3:00 PM - 3:10 PM

Use of Donor Derived cfDNA in Diagnosing Acute Kidney Transplant Rejection
Alexander Weisman, MD, University of Colorado

3:10 PM - 3:20 PM

Use of Blood-based and Allograft Gene Biomarkers for Diagnosing Acute Kidney Transplant Rejection

John Friedewald, MD, North Western University

3:20 PM - 3:30 PM

Cost Effectiveness of Surveillance Biopsy and Currently Approved Biomarkers for Subclinical Kidney Transplant Rejection

Chethan Puttarajappa, MD, University of Pittsburgh Medical Center, UPMC,

Pittsburgh, PA, USA

3:30 PM - 4:00 PM

Live Video Question and Answer

Program Topic: ID

Optimizing the Use of HCV-Infected Organs - The Implementation Phase: When to Treat and Why?

3:00 PM - 4:00 PM

Moderators:

Christine Durand, MD, Johns Hopkins University, Associate Professor, Baltimore, MD, USA

David Goldberg, MD, MSCE, University of Miami, Associate professor of Medicine, Miami, FL, USA

3:00 PM - 3:10 PM

Impact on Utilization, Procurement and Waiting Times: Have HCV-viremic Organs Fulfilled their Promise?

Ann Woolley, MD, MPH, Brigham and Womens Hospital, Infectious Diseases, Boston, MA, USA

3:10 PM - 3:20 PM

Practical Approaches to Antiviral Therapy: How and When to Treat, and What to do When Treatment Fails

Norah Terrault, MD, MPH, University of Southern California, Professor of Medicine, Los Angeles, CA, USA

3:20 PM - 3:30 PM

When Chronic HCV has Company

Michael Leise, MD, Mayo Clinic, Associate Professor of Medicine, Rochester, MN, USA

3:30 PM - 4:00 PM

Live Video Question and Answer

Program Topic: Basic

Innate Immune Cells and Allograft Rejection

3:00 PM - 4:00 PM

Moderators:

Valeria Mas, PhD, FAST, University of Maryland, Professor of Surgery, Baltimore, MD, USA

Anna Valujskikh, Cleveland Clinic

3:00 PM - 3:10 PM

Eosinophils in Lung Alloimmunity

A. Sasha Krupnick, MD, University of Maryland, professor of surgery, Baltimore, MD, USA

3:10 PM - 3:20 PM

Neutrophils in Rejection

Ankit Bharat, MD, Northwestern University, Harold & Margaret Method Professor, Chicago, IL, USA

3:20 PM - 4:00 PM

Live Video Question and Answer

Program Topic: Liver

Liver Transplantation for Alcoholic Hepatitis

3:00 PM - 4:00 PM

Moderators:

Deepika Devuni, M.D., University of Massachusetts medical School, Assistant Professor, Worcester, MA, USA

3:00 PM - 3:10 PM

Standardization of Criteria for LT for AAH: Need for Guideline

Andrew Cameron, MD, PhD, Johns hopkins

3:10 PM - 3:20 PM

Where are we now? Transplantation for Alcoholic Hepatitis: Current Status/ How to Improve the Reporting and Listing in UNOS?

Gene Im, M.D., Icahn School of Medicine, Associate Professor of Medicine, New York, NY, USA

3:20 PM - 3:30 PM

Alcohol Use Disorders and Psychosocial Management: The Elephant in the Room

Jessica Mellinger, MD, MSc, University of Michigan, Assistant Professor, Ann Arbor, MI, USA

3:30 PM - 3:40 PM

Case Against Liver Transplantation for Acute Alcoholic Hepatitis

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

3:40 PM - 4:00 PM

Live Video Question and Answer

Sponsor Networking

4:00 PM - 4:30 PM

Program Topic: All Topics

Sponsor Networking

Rapid Fire Oral Abstract Sessions

4:30 PM - 5:30 PM

Program Topic: Kidney

Kidney: Acute Cellular Rejection

4:30 PM - 5:30 PM

Moderators:

James Rice, MD, Scripps Organ and Cell Transplantation, Medical Director, Kidney and Pancreas Transplant, La Jolla, CA, USA

Simin Goral, MD, University of Pennsylvania, Professor of Medicine, Philadelphia, PA, USA

4:30 PM - 4:35 PM

Belatacept Exposure Not Associated With Rejection. Can Doses be Lowered without

Compromising Efficacy?

M. McGowan¹, **A. Bickenbach¹**, **B. Miyagawa²**, **A. Christianson¹**, **T. Mizuno²**, **P. West-Thielke³**, **J. Leone⁴**, **E. Woodle¹**, **D. Kaufman⁵**, **A. Wiseman⁶**, **A. Matas⁷**, **A. Vinks²**, **R. Alloway¹**, ¹*U Cincinnati, Cincinnati, OH*, ²*Cincinnati Children's Med Center, Cincinnati, OH*, ³*U Illinois, Chicago, IL*, ⁴*Tampa Gen, Tampa, FL*, ⁵*U Wisconsin, Madison, OH*, ⁶*Centura Transplant, Denver, CO*, ⁷*U Minnesota, Minneapolis, MN*

4:35 PM - 4:40 PM

The Effect of the Different Donor-Derived HLA T-Cell Epitope Targets on the Development of T Cell-Mediated Rejection After Kidney Transplantation

A. Senev, **E. Van Loon**, **M. Emonds**, **M. Naesens**, *Microbiology, Immunology and Transplantation, KU Leuven, Leuven, Belgium*

4:40 PM - 4:45 PM

Reducing Rejection in Pediatric Kidney Transplantation: The Improving Renal Outcomes Collaborative (iROC)

C. Varnell¹, **A. Warmin¹**, **G. Barletta²**, **C. Belsha³**, **L. Harshman⁴**, **D. Kershaw⁵**, **C. Pruetter⁶**, **S. Ranabothu⁷**, **M. Seifert⁸**, **P. Singer⁹**, **M. Yanik¹⁰**, **K. Rich¹**, **A. Modi¹**, **D. Hooper¹**, ¹*Cincinnati Children's Hospital Medical Center, Cincinnati, OH*, ²*Phoenix Children's Hospital, University of Arizona, Phoenix, AZ*, ³*SSM Health Cardinal Glennon Children's Hospital, St Louis, MO*, ⁴*University of Iowa Stead Family Children's Hospital, Iowa City, IA*, ⁵*C.S. Mott Children's Hospital, Ann Arbor, MI*, ⁶*Johns Hopkins University School of Medicine, Baltimore, MD*, ⁷*Arkansas Children's Hospital, Little Rock, AR*, ⁸*University of Alabama at Birmingham, Children's of Alabama, Birmingham, AL*, ⁹*Cohen Children's Hospital, Brooklyn, NY*, ¹⁰*Levine Children's Hospital, Charlotte, NC*

4:45 PM - 4:50 PM

Reassessing TCMR in Kidney Transplant Indication Biopsies: Emerging Evidence for

Partial Exhaustion in Late TCMR

P. Halloran¹, J. Reeve¹, & the INTERCOMEX Study Group², ¹Alberta Transplant Applied Genomics Centre, Edmonton, AB, Canada, ²., ., AB, Canada

4:50 PM - 4:55 PM

Development of Diagnosis Method of Acute Graft Rejection After Kidney Transplantation Using Metabolome Analysis by Liquid Biopsy Approach

H. Iwamoto¹, M. Sugimoto², O. Konno¹, I. Akashi³, M. Okihara¹, Y. Kihara¹, T. Ueno¹, ¹Kidney Transplantation Surgery, Tokyo Medical University, Hachioji Medical Center, Tokyo, Japan, ²Research and Development Center for Minimally Invasive and Preemptive Medicine, Institute of Medi, Tokyo Medical University, Tokyo, Japan, ³Kidney transplantation Surgery, Tokyo Medical University, Hachioji Medical Center, Tokyo, Japan

4:55 PM - 5:00 PM

Late Subclinical Rejection and Borderline Rejection in Kidney Transplant Patients is Associated with Increased Incidence of Subsequent Clinical Rejections

V. Viswanathan¹, I. Melgarejo², C. Puttarajappa², P. Sood², M. Molinari², S. Hariharan², C. Wu², A. Sharma², N. Shah², R. Mehta², ¹Department of Medicine, Renal-Electrolyte Division, University of Pittsburgh Medical Center, Pittsburgh, PA, ²Department of Surgery, Thomas E. Starzl Transplantation Institute, University of Pittsburgh Medical Center, Pittsburgh, PA

5:00 PM - 5:05 PM

Therapeutic Response of Late Clinical Cell Mediated Rejection is Modeled by Chronicity Changes

I. Melgarejo¹, V. Viswanathan², A. Sharma¹, P. Sood¹, C. Puttarajappa¹, C. Wu¹, N. Shah¹, M. Molinari¹, S. Hariharan¹, R. Mehta¹, ¹Starzl Transplant Institute, University of Pittsburgh Medical Center,

Pittsburgh, PA, ²Department of Medicine, Renal-Electrolyte Division, University of Pittsburgh Medical Center, Pittsburgh, PA

5:05 PM - 5:30 PM

Live Video Question and Answer

Program Topic: Liver

Liver Recipient Selection

4:30 PM - 5:30 PM

Moderators:

John Fung, MD, PhD, The University of Chicago, Co-Director UCM Transplantation Institute, Chicago, IL, USA

Leigh Anne Dageforde, MD, MPH, Massachusetts General Hospital, Assistant Professor of Surgery, Boston, MA, USA

4:30 PM - 4:35 PM

Pre-Transplant Frailty is Associated with 30-Day Mortality but Not Long-Term Survival After Liver Transplantation

M. Anderson, V. Valbuena, M. Englesbe, C. Sonnenday, Department of Surgery, University of Michigan Health System, Ann Arbor, MI

4:35 PM - 4:40 PM

Relationship of Functional Frailty and Radiographic Sarcopenia to Outcomes After Liver Transplant

S. L. Olson, P. Polineni, W. Schwartz, O. Siddiqui, L. Zhao, D. Ganger, D. P. Ladner, Comprehensive Transplant Center, Northwestern University, Chicago, IL

4:40 PM - 4:45 PM

Comorbidity Burden is Associated with Increased Waitlist Mortality Among NASH Patients

J. R. Montgomery¹, M. J. Englesbe¹, C. Connelly², ¹Michigan Medicine, Ann Arbor, MI, ²General Surgery, Oregon Health & Science University, Portland, OR

4:45 PM - 4:50 PM

**Coronary Computed Tomography
Angiography for Pre-Liver Transplant
Cardiovascular Risk Assessment: A Single
Center Experience**

J. Rice¹, T. Genders², D. Groves², J. R. Burton¹, J. Moloo², R. Quaife², D. Vargas³, M. Kriss¹, ¹*Division of Gastroenterology and Hepatology, University of Colorado, Aurora, CO*, ²*Division of Cardiology, University of Colorado, Aurora, CO*, ³*Division of Radiology, University of Colorado, Aurora, CO*

4:50 PM - 4:55 PM

**Recipient Selector for Donation After Cardiac
Death Allografts**

G. Handing¹, S. Ganni², S. Barrett¹, N. Galvan², C. O'Mahony², J. Goss², R. Cotton², A. Rana², ¹*School of Medicine, Baylor College of Medicine, Houston, TX*, ²*Michael E DeBakey Department of Surgery, Division of Abdominal Transplant, Houston, TX*

4:55 PM - 5:00 PM

**Cardiac Risk Assessment in Liver Transplant
Candidates: Survey of National Practice
Patterns**

P. Barman¹, R. Chadha², L. VanWagner³, ¹*Div. of GI/Hepatology, University of California, San Diego, San Diego, CA*, ²*Anesthesiology, Mayo Clinic, Jacksonville, FL*, ³*Div. of GI/Hepatology, Northwestern University, Chicago, IL*

5:00 PM - 5:05 PM

**Outcomes After Liver Transplantation With
Steatotic Grafts: Redefining Acceptable
Cutoffs for Moderately Steatotic Grafts**

B. L. Da¹, J. Satiya², R. P. Heda³, Y. Jiang⁴, L. Lau⁵, A. Fahmy¹, A. Winnick¹, N. Roth¹, E. Grodstein¹, P. J. Thuluvath⁶, A. K. Singal⁷, T. D. Schiano⁸, L. W. Teperman¹, S. K. Satapathy¹, ¹*Liver Disease, Northwell Health, Manhasset, NY*, ²*Beth Israel Deaconess Medical Center, Boston, MA*, ³*Tulane Medical Center, Memphis, TN*, ⁴*The University of Memphis, Memphis, TN*,

⁵*Northwell Health, Manhasset, NY*,

⁶*University of Maryland School of Medicine, Baltimore, MD*, ⁷*Liver Disease, Avera McKenna University Health Center and Transplant Institute, Manhasset, NY*, ⁸*Icahn School of Medicine at Mount Sinai, New York City, NY*

5:05 PM - 5:10 PM

**The Utility of PET/ CT Testing in Cardiac Risk
Stratification of Adult Liver Transplant
Candidates**

M. A. Tincopa¹, R. Weinberg¹, S. Sengupta¹, J. Slivnick², J. Corbett¹, C. Sonnenday¹, R. Fontana¹, P. Sharma¹, ¹*Internal Medicine, University of Michigan, Ann Arbor, MI*, ²*Internal Medicine, Ohio State University, Columbus, OH*

5:10 PM - 5:30 PM

Live Video Question and Answer

Program Topic: ID

Infectious Disease Poutpouri

4:30 PM - 5:30 PM

Moderators:

John Baddley, MD, MSPH, University of Maryland School of Medicine, Professor of Medicine, Baltimore, MD, USA

Theresa Madigan, MD, Mayo Clinic, Assistant Professor of Pediatrics, Rochester, MN, USA

4:30 PM - 4:35 PM

**Molecular Epidemiology of Extended-
Spectrum Cephalosporin-Resistant
Enterobacterales Bloodstream Infections
Among Solid Organ Transplant Recipients**

J. A. Anesi¹, E. Lautenbach¹, P. D. Tamma², K. A. Thom³, K. Alby⁴, E. A. Blumberg¹, W. Bilker¹, J. Omorogbe¹, P. Tolomeo¹, A. Werzen³, J. Han⁵, ¹*University of Pennsylvania, Philadelphia, PA*, ²*Johns Hopkins University, Baltimore, MD*, ³*University of Maryland, Baltimore, MD*,

⁴University of North Carolina, Chapel Hill, NC, ⁵GlaxoSmithKline, Rockville, MD

4:35 PM - 4:40 PM

Cytomegalovirus (CMV) D+/R- Serostatus is Independently Associated with Mortality and Graft Loss After Liver Transplantation (LTx)
P. Vutien, J. Perkins, S. Biggins, J. Reyes, A. Limaye, *Internal Medicine, University of Washington Medical Center, Seattle, WA*

4:40 PM - 4:45 PM

Cmv Specific Cellmediated Immune Reconstitution During Letermovir Prophylaxis in High Risk Hematopoietic Cell Transplant Recipients

M. Abidi¹, J. Gutman², A. Weinberg²,
¹University of Colorado Denver/Anschutz Medical Campus, Aurora, CO, ²University of Colorado Denver, Denver, CO

4:45 PM - 4:50 PM

Impact of a Cmv Cell Mediated Immunity Based Protocol on Guiding Cmv Prophylaxis Following Pediatric Liver Transplantation - A Single Center Experience

G. Kalkan¹, S. Ball², L. McConnell², D. M. Desai³, A. Aqul³, P. K. Sue¹, ¹Infectious Disease, University of Texas Southwestern Medical Center, Dallas, TX, ²Solid Organ Transplant Program, Children's Health, Dallas, TX, ³Solid Organ Transplant Program, University of Texas Southwestern Medical Center, Dallas, TX

4:50 PM - 4:55 PM

Outcomes of Abdominal Transplant Recipients Who Receive Organs from Donors with Positive Cultures

A. Perez Cortes Villalobos, A. Humar, D. Kumar, *University Health Network, Toronto, ON, Canada*

4:55 PM - 5:00 PM

Evaluating Pneumocystis Jiroveci Pneumonia Prophylaxis in Lung Transplant Recipients

J. Sharkey, K. McMurry, J. Park, C. Carlson, K. Gregg, D. Kaul, D. Lyu, L. Fitzgerald,

Michigan Medicine, Ann Arbor, MI

5:00 PM - 5:05 PM

Epidemiology and Risk Factors for Invasive Fungal Infection in Pancreas Transplant in the Absence of Fungal Prophylaxis

J. Burkey¹, J. M. Chen², A. A. Sharfuddin², M. S. Yaqub², A. J. Lutz², J. A. Powelson², J. A. Fridell², N. Barros², ¹Butler University College of Pharmacy and Health Sciences, Indianapolis, IN, ²Indiana University Health, Indianapolis, IN

5:05 PM - 5:10 PM

Impact of a Pharmacist-driven Immunization Clinic on Vaccination Rates in Pre-liver Transplant Patients

A. Poparad-Steazar¹, B. Summers¹, M. Fitzmaurice¹, K. Hakamiun², N. Sulejmani³, A. Jantz¹, ¹Henry Ford Hospital, Detroit, MI, ²Select Medical, Wyandotte, MI, ³CareDx, Inc., Sterling Heights, MI

5:10 PM - 5:30 PM

Live Video Question and Answer

Program Topic: COVID-19

Late-Breaking: COVID-19

4:30 PM - 5:30 PM

Moderators:

Raymund Razonable, MD, Mayo Clinic College of Medicine, Professor of Medicine, Rochester, MN, USA

4:30 PM - 4:35 PM

Safety of Sars-cov-2 Mrna Vaccines in Solid Organ Transplant Recipients

M. Ou, B. Boyarsky, J. Motter, R. Greenberg, A. Teles, J. Ruddy, M. Krach, W. Werbel, R. Avery, A. Massie, D. Segev, J. Garonzik-Wang, *Johns Hopkins School of Medicine, Baltimore, MD*

4:35 PM - 4:40 PM

A Mechanistic Evaluation to Guide the Optimal Immunosuppression Adjustment Strategy in Transplant Patients with COVID-19

V. Hall, V. Ferreira, D. Kumar, A. Humar, UHN, Toronto, ON, Canada

4:40 PM - 4:45 PM

Monoclonal Antibody Therapy for COVID-19 in Solid Organ Transplant Recipients

Z. A. Yetmar¹, E. Beam¹, J. C. O'Horo¹, R. Ganesh², D. M. Bierle², L. Brumble³, M. T. Seville⁴, R. R. Razonable¹, ¹Infectious Diseases, Mayo Clinic, Rochester, MN, ²General Internal Medicine, Mayo Clinic, Rochester, MN, ³Infectious Diseases, Mayo Clinic, Jacksonville, FL, ⁴Infectious Diseases, Mayo Clinic, Scottsdale, AZ

4:45 PM - 4:50 PM

Reduction in Hospitalizations and Deaths in Covid-19 Positive Abdominal Organ Transplant Recipients Following Implementation of A Protocol for Early Treatment with Bamlanivimab

A. Ahearn, T. Maw, J. Emamaullee, J. Kim, E. Blodgett, J. Kahn, C. Goldbeck, L. Sher, Y. Genyk, Abdominal Transplantation, Keck Medical Center of USC, Los Angeles, CA

4:50 PM - 4:55 PM

Mortality in Organ Transplant Recipients with Covid-19 Compared to Non-transplant or Waitlisted Patients: A Meta-analysis

A. H. Lerner, E. Klein, D. Farmakiotis, Rhode Island Hospital/Brown University, Providence, RI

4:55 PM - 5:00 PM

Effect of HLA Class II Polymorphism on Predicted Cellular Immunity Against SARS-CoV-2 at the Individual Level and Within Twenty Five Race/ethnic Groups

H. C. Copley¹, L. Gragert², A. R. Leach³, V. Kosmoliaptsis¹, ¹Department of Surgery, University of Cambridge, Cambridge, United Kingdom, ²Department of Pathology, Tulane University School of Medicine, New Orleans,

LA, ³European Bioinformatics Institute (EMBL-EBI), Hinxton, United Kingdom

5:00 PM - 5:05 PM

Limited Immunogenicity of a Single Dose of Sars-cov-2 Mrna Vaccine in Solid Organ Transplant Recipients

B. Boyarsky, M. Ou, R. Greenberg, A. Teles, W. Werbel, R. Avery, A. Tobian, A. Massie, D. Segev, J. Garonzik Wang, Johns Hopkins, Baltimore, MD

5:05 PM - 5:10 PM

Dd-cfDNA Can Guide Safe Reintroduction of Immunosuppression in Kidney Transplant Recipients with Covid-19

J. Miles¹, J. Leonard², V. Tatapudi², M. Fei¹, R. Montgomery², N. M. Ali², ¹CareDx, Brisbane, CA, ²Transplant Institute, NYU Langone Health, New York, NY

5:10 PM - 5:30 PM

Live Video Question and Answer

Program Topic: Admin

Quality Assurance and Regulatory Issues

4:30 PM - 5:30 PM

Moderators:

Gwen McNatt, APRN, PhD, University of Iowa Hospitals and Clinics, Chief Administrative Officer, Iowa City, IA, USA
Luke Preczewski, MD, Jackson Memorial Hospital, Vice President, Miami, FL, USA

4:30 PM - 4:35 PM

Automated Electronic Donor Referrals Have Increased Transplantation

J. Piano, Transplant Connect, Santa Monica, CA

4:35 PM - 4:40 PM

The Initial Impact of Covid-19 on Reported Graft Failure Rates and Potential Confounding of Srtr Psrs

A. Wey¹, J. Miller¹, D. Musgrove¹, Y. Ahn¹, M. Valapour², N. Salkowski¹, M. Skeans¹, A.

Massie³, R. Hirose⁴, D. Segev³, A. Israni¹, J. Snyder¹, B. Kasiske¹, ¹SRTR, Minneapolis, MN, ²Cleveland Clinic, Cleveland, OH, ³Johns Hopkins, Baltimore, MD, ⁴Univ of California, San Francisco, San Francisco, CA

4:40 PM - 4:45 PM

The Effect of Covid-19 on Offer Acceptance Rates by Age and Race Groups

A. Wey¹, J. Miller¹, Y. Ahn¹, D. Musgrove¹, A. Hart¹, N. Salkowski¹, M. Skeans¹, R. Hirose², A. Israni¹, J. Snyder¹, B. Kasiske¹, ¹SRTR, Minneapolis, MN, ²Univ of San Francisco, San Francisco, CA

4:45 PM - 4:50 PM

Covid-19 Impact of the Pandemic Surge on Patients Waiting for Renal Transplantation at a Single New York City Transplant Center

G. Boyd, D. Tsapepas, R. Bonifacio, L. Brinkers, C. Brennan, A. Chang, M. Dalangin, L. Lowe, J. K. Mendoza, J. V. Mendoza, C. McNulty, M. Morris, M. Muttiah, K. Nickason, L. Ratner, *Transplant, NYP - Columbia University Medical Center, New York, NY*

4:50 PM - 4:55 PM

Impact of Lung Allocation Score Cohort Update

M. Skeans¹, A. Wey¹, E. Lease², C. Lehr³, M. Valapour³, ¹SRTR, Minneapolis, MN, ²Univ of Washington, Seattle, WA, ³Cleveland Clinic, Cleveland, OH

4:55 PM - 5:00 PM

Effective Patient Throughput on the Transplant Surgery Service

E. M. Thomas¹, P. K. Shah¹, S. Beasley², A. Saad¹, M. Rani¹, F. Cigarroa¹, ¹UT Health San Antonio, San Antonio, TX, ²University Health, San Antonio, TX

5:00 PM - 5:05 PM

The Learning Curve Associated with De Novo Tacrolimus XR Use in a Racially Diverse Kidney Transplant Population

F. Bartlett, T. Carcella, N. Patel, V. Rohan, D.

Taber, *Medical University of South Carolina, Charleston, SC*

5:05 PM - 5:10 PM

Early Stent Removal in Kidney Transplant Recipients - A Quality Improvement Project

V. Rohan, N. Pilch, M. Altit, S. Nadig, A. Lin, D. DuBay, P. Baliga, *Surgery, Medical University of South Carolina, Charleston, SC*

5:10 PM - 5:30 PM

Live Video Question and Answer

Program Topic: Basic

Biomarkers, Immune Assessment and Clinical Outcomes - III

4:30 PM - 5:30 M

Moderators

Juliet Emamaullee, MD, PhD, FRCSC

FACS, University of Southern California, Assistant Professor of Clinical Surgery, Los Angeles, CA, USA

Mamatha Bhat, MD, MSc, FRCPC,

University Health Network, Assistant Professor of Medicine, Toronto, ON, Canada

4:30 PM - 4:35 PM

Use of a Novel Bead-based Assay to Measure the Impact of Imlifidase on ABO IgG Antibodies

A. Halpin¹, B. Motyka², T. Ellis², J. Pearcey², T. L. Lowary³, A. Runström⁴, L. Winstedt⁴, R. Bockermann⁴, S. Järnum⁴, A. Robertson⁴, L. J. West⁵, ¹Department of Pediatrics and Laboratory Medicine and Pathology, University of Alberta and Alberta Precision Laboratories, Edmonton, AB, Canada, ²Department of Pediatrics, University of Alberta, Edmonton, AB, Canada, ³Department of Chemistry, University of Alberta, Edmonton, AB, Canada, ⁴Hansa Biopharma, Lund, Sweden, ⁵Department of Pediatrics and Laboratory Medicine and Pathology, University of Alberta, Edmonton, AB, Canada

4:35 PM - 4:40 PM

High Levels of Donor-Derived Cell-Free DNA Predict EGFR Decline After Kidney Transplantation

T. Alhamad¹, V. Bowers², E. Stites³, S. Anand⁴, J. S. Bromberg⁵, H. Murad¹, G. Gupta⁶, I. Moinuddin⁶, L. Bu⁷, S. Ghosh⁸, J. Zeng⁸, A. Pai⁹, ¹Washington University in St. Louis, St. Louis, MO, ²Tampa General Hospital, Tampa, FL, ³University of Colorado, Aurora, CO, ⁴Intermountain Medical Center, Murray, UT, ⁵University of Maryland School of Medicine, Baltimore, MD, ⁶Virginia Commonwealth University, Richmond, VA, ⁷University of Minnesota, Minneapolis, MN, ⁸CareDx, Brisbane, CA, ⁹University of Texas McGovern Medical School, Houston, TX

4:40 PM - 4:45 PM

Assessment of Donor-Derived Cell-Free DNA Performance Characteristics Across the Spectrum of TCMR and ABMR After Kidney Transplant

L. Bu¹, S. Anand², A. Pai³, J. S. Bromberg⁴, T. Alhamad⁵, V. Bowers⁶, I. Moinuddin⁷, S. Ghosh⁸, W. Tian⁸, E. Stites⁹, G. Gupta⁷, ¹University of Minnesota, Minneapolis, MN, ²Intermountain Medical Center, Murray, UT, ³University of Texas McGovern Medical School, Houston, TX, ⁴University of Maryland School of Medicine, Baltimore, MD, ⁵Washington University in St. Louis, St. Louis, MO, ⁶Tampa General Hospital, Tampa, FL, ⁷Virginia Commonwealth University, Richmond, VA, ⁸CareDx, Brisbane, CA, ⁹University of Colorado, Aurora, CO

4:45 PM - 4:50 PM

Intrarenal B-cell Activating Factor (BAFF) Levels are Increased in Transplant Glomerulopathy

S. Panzer, K. Swanson, G. Pandya, L. Hidalgo, S. Reese, University of Wisconsin Madison, Madison, WI

4:50 PM - 4:55 PM

Utility of Non-Invasive Rejection Biomarkers to Guide Immunomodulation in Kidney Transplant Patients with Active Covid-19 Infection

J. Christensen, G. Gupta, A. Bryson, S. Paluri, R. Thompson, S. Sterling, N. Vissichelli, P. Kimball, D. Kumar, VCUHealth, Richmond, VA

4:55 PM - 5:00 PM

The Role of Donor-derived Cell-free DNA to Detect Subclinical Acute Rejection in Kidney Allograft

S. Park¹, K. Guo², R. Heilman³, E. Poggio⁴, D. Taber⁵, C. Marsh⁶, S. Kurian⁷, S. Kleiboeker⁸, J. Weems⁹, J. Holman¹⁰, L. Zhao², R. Sinha⁸, S. Brietigam², C. Rebello², M. Abecassis¹¹, J. Friedewald¹, ¹Transplant nephrology, Northwestern University, Chicago, IL, ²Feinberg School of Medicine, Northwestern University, Chicago, IL, ³Transplant nephrology, Mayo Clinic College of Medicine and Science, Phoenix, AZ, ⁴Department of Nephrology and Hypertension, Cleveland Clinic, Cleveland, OH, ⁵Division of Transplant Surgery, Medical University of South Carolina, Charleston, SC, ⁶Department of Medicine and Surgery, Scripps Clinic and Green Hospital, La Jolla, CA, ⁷Scripps Health, La Jolla, CA, ⁸Eurofins US Clinical Diagnostics, Lee's Summit, MO, ⁹Eurofins US Clinical Diagnostics, Lee's Summit, MO, ¹⁰Transplant Genomics, Inc, Mansfield, MA, ¹¹University of Arizona College of Medicine, Northwestern University, Tucson, AZ

5:00 PM - 5:05 PM

MDR-101-MLK-MERCURY Kidney Transplant Tolerance Study Update

D. Kaufman¹, S. Akkina², M. Stegall³, J. Piper⁴, A. O. Gaber⁵, E. Marin⁶, S. Busque⁷, D. Alonso⁸, M. De Vera⁹, A. Shah¹⁰, A. Patel¹¹, K. Chavin¹², M. Laftavi¹³, S. Collette¹⁴, E. Stites¹⁵, M. Mai¹⁶, M. Cooper¹⁷, D. Brennan¹⁸, ¹Surgery, UW, Madison, WI, ²Surgery, Loyola, Chicago, IL, ³Surgery,

Mayo, Rochester, MN, ⁴Surgery, Inova, Fairfax, VA, ⁵Surgery, Houston Methodist, Houston, TX, ⁶Nephrology, Yale, New Haven, CT, ⁷Surgery, Stanford, San Francisco, CA, ⁸Surgery, Intermountain, Murray, UT, ⁹Surgery, Loma Linda, Loma Linda, CA, ¹⁰Surgery, TJU, Philadelphia, PA, ¹¹Nephrology, St. Barnabas, Livingston, NJ, ¹²Surgery, UHH, Cincinnati, OH, ¹³Surgery, Upstate, Syracuse, NY, ¹⁴Surgery, CIUSSS, Montreal, ON, Canada, ¹⁵Nephrology, UC Denver, Denver, CO, ¹⁶Nephrology, Mayo - FL, Jacksonville, FL, ¹⁷Surgery, Georgetown, Washington, DC, ¹⁸Medeor, San Francisco, CA

5:05 PM - 5:10 PM

Kidney Transplant Rejection Can Be Diagnosed or Even Predicted by Tracking Donor Reactive T Cell Clones in Post-transplant Samples

Y. Sambandam¹, M. Kandpal¹, J. He¹, X. Huang¹, T. S. Taylor¹, A. A. Shetty², J. M. Mathew¹, J. R. Leventhal¹, ¹Surgery-Comprehensive Transplant Center, Northwestern University Feinberg School of Medicine, Chicago, IL, ²Medicine, Nephrology Division, Northwestern University Feinberg School of Medicine, Chicago, IL

5:10 PM - 5:30 PM

Live Video Question and Answer

Program Topic: Basic

B cell/Antibody and Histocompatibility

4:30 PM - 5:30 PM

Moderators:

Malek Kamoun, MD PhD, Hospital Univ of Pennsylvania, Professor, Pathology and Laboratory Medicine, Philadelphia, PA, USA

4:30 PM - 4:35 PM

The Role of Notch2 in Antibody-mediated Alloimmune Response

R. Benedetti Gassen¹, N. Murakami², T. J

Borges¹, A. Al Jurdi¹, A. Alessandrini¹, L. V. Riella¹, ¹Center of Transplantation Science, Massachusetts General Hospital, Boston, MA, ²Brigham and Women's Hospital, Boston, MA

4:35 PM - 4:40 PM

Marginal Zone B Cells Support Donor-Specific Alloantibody Responses to Heart Allografts

V. Gorbacheva, R. Fan, W. Baldwin, R. Fairchild, A. Valujskikh, *Inflammation and Immunity, Cleveland Clinic, Cleveland, OH*

4:40 PM - 4:45 PM

Acoustofluidic Device to Remove Donor Specific Antibody in a Sensitized Animal Model

J. Kwun¹, E. David², Y. Gu³, Z. Ma³, M. Kuchibhatla⁴, G. Arepally⁵, T. J. Huang³, E. T. Chambers², ¹Surgery, Duke University, Durham, NC, ²Pediatrics, Duke University, Durham, NC, ³Biomedical Engineering, Duke University, Durham, NC, ⁴Biostatistics and Bioinformatics, Duke University, Durham, NC, ⁵Internal Medicine, Duke University, Durham, NC

4:45 PM - 4:50 PM

Cd4 T Cells Can Trigger Nk-dependent Chronic Rejection Independent of Antibodies

R. G. Gill¹, B. Mehrad², C. M. Lin², ¹Surgery, University of Colorado Denver, Aurora, CO, ²Medicine, University of Florida, Gainesville, FL

4:50 PM - 4:55 PM

Blood Type A2/a2b to B Renal Transplantation: A Single Center Retrospective Cohort Study

V. S. Tatapudi, N. Alnazari, R. Chand, N. M. Ali, B. E. Lonze, R. A. Montgomery, *NYU Langone Transplant Institute, NYU Langone Health, New York, NY*

4:55 PM - 5:00 PM

Low Immunogenic Donors Improve Kidney Transplant Survival in Sensitized Recipients

D. Bekbolsynov¹, R. Green², B.

Mierzejewska¹, M. Rees¹, S. Stepkowski¹,
¹University of Toledo, Toledo, OH, ²Bowling Green State University, Bowling Green, OH

5:00 PM - 5:05 PM

Association Between HLA Class II and TLR4 Regulates HLA-II Stimulated P-selectin Expression and Monocyte Capture to Endothelial Cells

Y. Jin, J. Nevarez-Mejia, E. F. Reed,
Pathology and Laboratory Medicine, University of California Los Angeles, Los Angeles, CA

5:05 PM - 5:10 PM

Risk Stratification of Kidney Transplant Patients According to the Different Level of HLA-DQ Disparities

A. Senev¹, A. R. Tambur², M. Naesens¹,
¹Microbiology, Immunology and Transplantation, KU Leuven, Leuven, Belgium, ²Northwestern University, Chicago, IL

5:10 PM - 5:30 PM

Live Video Question and Answer

Break

5:30 PM - 6:00 PM

Rapid Fire Oral Abstract Sessions

6:00 PM - 7:00 PM

Program Topic: Basic

Lymphocyte Biology and Tolerance

6:00 PM - 7:00 PM

Moderators:

Ginny Bumgardner, MD PhD FACS, Ohio State University, Professor of Surgery, Columbus, OH, USA

Douglas Anderson, MD, University of Alabama at Birmingham, Assistant Professor, Birmingham, AL, USA

6:00 PM - 6:05 PM

Sequential Analysis of Renal Allograft Rejection at Single Cell Resolution

T. Shi¹, C. Castro-Rojas¹, A. Burg¹, K. Roskin¹, J. Rush², B. Haraldsson², A. Shields³, R. Alloway³, E. Woodle³, D. Hildeman¹, *¹Immunobiology, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, ²Novartis Pharmaceuticals AG, Basel, Switzerland, ³University of Cincinnati Medical Center, Cincinnati, OH*

6:05 PM - 6:10 PM

LTβR Engagement Regulates Treg Migration, Stability and Suppressor Function

V. Saxena¹, W. Piao¹, L. Li¹, Y. Xiong¹, M. W. Shirkey¹, J. Iyyathurai¹, R. Lakhan¹, R. Abdi², J. Bromberg¹, *¹U Maryland, Baltimore, MD, ²Harvard U, Boston, MA*

6:10 PM - 6:15 PM

CEACAM1 Signaling is Essential to Elicit Tim-3 Inhibitory Regulation in Liver Transplantation

H. Kojima, H. Hirao, T. Ito, K. Kadono, K. J. Dery, F. M. Kaldas, J. W. Kupiec-Weglinski, *The Dumont-UCLA Transplantation Center, Los Angeles, CA*

6:15 PM - 6:20 PM

Laminins Differentially Regulate Adaptive Alloimmune Responses

L. Li¹, M. Shirkey¹, W. Piao¹, Y. Xiong¹, V. Saxena¹, T. Zhang¹, J. Iyyathurai², R. Lakhan¹, R. Abdi³, J. Bromberg¹, *¹Surgery, UMB, Baltimore, MD, ²CVID, UMB, Baltimore, MD, ³Harvard University, Boston, MA*

6:20 PM - 6:25 PM

TIGIT Identifies Polyfunctional Donor-Specific CD4+ T Cells Lost After Kidney Transplantation

A. C. van der List, N. H. Litjens, M. G. Betjes, M. Klepper, *Nephrology and Transplantation, Erasmus MC, Rotterdam, Netherlands*

6:25 PM - 6:30 PM

TOLS are Novel Regulatory TLOs with A B Cell Signature

I. Rosales¹, Q. Yuan¹, C. Yang¹, P. Russell¹, J. Madsen¹, A. Alessandrini¹, R. Colvin¹, - AA and RC², ¹Massachusetts General Hospital, Boston, MA, ²Co-Senior Authors, Boston, MA

6:30 PM - 6:35 PM

Successful Induction of Hematopoietic Chimerism by Dual Inhibition of Mcl-1 and Bcl-2 Without Myeloablative Treatments in Nonhuman Primates

T. Hirose, D. Ma, G. Lassiter, T. Kawai, Center for Transplantation Sciences, Massachusetts General Hospital, Boston, MA

6:35 PM - 6:40 PM

Increased T Cell Cross-dressing in Accepted Kidney Allografts

Q. Yuan¹, S. Hong², E. Szuter², I. Rosales², Y. Zhao², B. Gonzalez-Nolasco², G. Benichou², P. Russell², J. Madsen², R. Colvin², A. Alessandrini², ¹Massachusetts General Hospital/Chinese PLA General Hospital, Boston, MA, ²Massachusetts General Hospital, Boston, MA

6:40 PM - 7:00 PM

Live Video Question and Answer

Program Topic: Basic & ID

Late Breaking: Basic & ID

6:00 PM - 7:00 PM

Moderators:

Vikas Dharnidharka, MD, MPH, Washington University in St. Louis, Professor, Saint Louis, MO, USA

Matthew Levine, MD PhD, University of Pennsylvania, Associate Professor of Surgery, Philadelphia, PA, USA

6:00 PM - 6:05 PM

Randomized Phase 3 Open-label Study of Maribavir vs Investigator-assigned Therapy for Refractory/resistant Cytomegalovirus Infection in Transplant Recipients: Subgroup Analyses of Efficacy by Organ

R. K. Avery¹, E. A. Blumberg², D. Florescu³, N. Kamar⁴, D. Kumar⁵, J. Wu⁶, A. Sundberg⁶, ¹Johns Hopkins Hospital, Baltimore, MD, ²University of Pennsylvania, Philadelphia, PA, ³University of Nebraska School of Medicine, Omaha, NE, ⁴Hôpital de Rangueil, Toulouse, France, ⁵University Health Network, Toronto, ON, Canada, ⁶Shire Human Genetic Therapies, Inc., a Takeda company, Lexington, KY

6:05 PM - 6:10 PM

Life-supporting Multi-gene Cardiac Xenografts From Swine Demonstrate Survival >8 Months and Preclinical Efficacy for Human Clinical Trials

C. Goerlich¹, B. Griffith¹, A. Singh¹, T. Zhang¹, I. Tatarov¹, B. Lewis¹, F. Sentz¹, A. Hershfild¹, P. Odonkor¹, B. Williams¹, E. Strauss¹, A. Tabatabai², A. Bhutta³, D. Ayares⁴, D. Kaczorowski¹, M. Mohiuddin¹, ¹Surgery, University of Maryland School of Medicine, Baltimore, MD, ²Department of Medicine, Division of Pulmonary and Critical Care Medicine, University of Maryland School of Medicine, Baltimore, MD, ³Pediatrics, Pediatric Critical Care Medicine, University of Maryland School of Medicine, Baltimore, MD, ⁴Revivicor, Inc., Blacksburg, VA

6:10 PM - 6:15 PM

Immunologic Endotypes of Ischemia-reperfusion Injury in Human Liver Transplantation

R. A. Sosa, A. Q. Terry, F. M. Kaldas, B. V. Naini, T. Ito, R. W. Busuttil, D. W. Gjertson, J. W. Kupiec-Weglinski, E. F. Reed, UCLA, Los Angeles, CA

6:15 PM - 6:20 PM

One-year Outcomes of a Multicenter Trial of Transplantation of Hcv Viremic Kidney Donors into Hcv Uninfected Recipients

M. Sise¹, D. Goldberg², D. Schaubel³, J. Kort⁴, R. Alloway⁵, J. Friedewald⁶, R. Fontana⁷, S. Sultan⁸, N. Desai⁹, R. Chung¹, P. Reese¹⁰, ¹Mass General Hospital, Boston, MA, ²U-Miami, Miami, FL, ³U. Pennsylvania, Philadelphia, PA, ⁴Abbvie, Chicago, IL, ⁵U Cincinnati, Cincinnati, OH, ⁶Northwestern U., Evanston, IL, ⁷U. Michigan, Ann Arbor, MI, ⁸Cornell, New York City, NY, ⁹Johns Hopkins, Baltimore, MD, ¹⁰U. Pennsylvania, Philadelphia, PA

6:20 PM - 6:25 PM

Comprehensive Utilization of HCV Viremic and Non-Viremic Donor Livers and Kidneys into HCV-negative Patients

M. E. de Vera, J. Woloszyn, J. Sterris, M. Robinson, R. Evans, S. Blais, B. Elhazin, C. Amador, c. Berk, M. Volk, R. Villicana, Transplant Institute, Loma Linda University Health, San Bernardino, CA

6:25 PM - 6:30 PM

Detection of SARS-CoV-2 Specific Functional T Cells Using a Seven Color Flow Cytometry Assay

L. Flebbe-Rehwaldt, J. Hayden, K. Mickey, S. Manley, S. Kleiboeker, Eurofins-Viracor, Lees Summit, MO

6:30 PM - 6:35 PM

Impaired Antibody Responses to Spike Protein Antigens of Sars-cov-2 in Solid Organ Transplant (sot) Recipients

C. Ashokkumar¹, S. Nadig², V. Rohan², A. Kroemer³, H. Dhani³, S. Rao⁴, R. Sindhi⁵, ¹Plexision, pittsburgh, PA, ²Medical University of South Carolina, Charleston, SC, ³MedStar Georgetown Transplant Institute, Georgetown, DC, ⁴DHR Health Institute for Research and Development, Texas, TX, ⁵University of Pittsburgh, Pittsburgh, PA

6:35 PM - 6:40 PM

Precision Medicine in Renal Transplantation: Structural Biology of HLA Defines Allelic Binding of Cardinal Pathogenic Viruses in Transplantation

K. R. Sherwood¹, A. Nguyen², J. Tran¹, O. Gunther³, A. Nellore², R. Thompson², J. Lan¹, L. Allan¹, P. A. Keown¹, ¹Vancouver General Hospital, Vancouver, BC, Canada, ²Biomedical Engineering, Oregon Health & Science University, Portland, OR, ³Gunther Analytics, Vancouver, BC, Canada

6:40 PM - 7:00 PM

Live Video Question and Answer

Program Topic: ID

BK virus in Kidney Recipients

6:00 PM - 7:00 PM

Moderators:

Hans H. Hirsch, MD, MSc, University of Basel / Department Biomedicine, Professor, Basel, Switzerland

Benjamin Adam, MD, University of Alberta, Anatomical Pathologist, Edmonton, AB, Canada

6:00 PM - 6:05 PM

VP2 MRNA Distinguishes the Direct Injury and Inflammation Effects of Polyoma Virus (BK) Infection from the Cognate TCMR Response That Follows Immunosuppressive Minimization

P. F. Halloran¹, K. Famulski¹, K. S. Madill-Thomsen¹, G. Böhmig², G. Gupta³, M. Myślak⁴, O. Viklicky⁵, & the INTERCOMEX Study Group⁶, ¹Alberta Transplant Applied Genomics Centre, Edmonton, AB, Canada, ²Medical University of Vienna, Vienna, Austria, ³Virginia Commonwealth University, Richmond, VA, ⁴Pomeranian Medical University, Szczecin, Poland, ⁵Institute for Clinical and Experimental Medicine, Prague, Czech Republic, ⁶., Edmonton, AB, Canada

6:05 PM - 6:10 PM

Coexistence of BKPyV Lytic Infection and Viral Integration in the Development of BKPyV Diseases After Renal Transplantation

S. Yan¹, Y. Wang¹, Y. Liu¹, W. Deng¹, Z. Yan¹, J. Xu¹, C. Wu², Y. Miao¹, ¹Department of Organ Transplantation, Nanfang Hospital, Southern Medical University, Guangzhou, China, ²Departments of Urology & Pathology, Massachusetts General Hospital, Harvard Medical School, Boston, MA

6:10 PM - 6:15 PM

Duration and Magnitude of BK Viremia Do Not Predict Outcome in Patients After Kidney Transplantation

E. A. Farkash¹, J. T. Rajagopal², M. Vincent², M. D. Doshi³, ¹Dept of Pathology, Michigan Medicine, Ann Arbor, MI, ²University of Michigan, Ann Arbor, MI, ³Dept of Nephrology, Michigan Medicine, Ann Arbor, MI

6:15 PM - 6:20 PM

Donor-Derived Cell-Free DNA Levels Risk-Stratify Polyoma BK Viremia and Associated Clinical Events After Kidney Transplantation - Preliminary Results from ADMIRAL Study

A. Pai¹, L. Bu², J. S. Bromberg³, G. Gupta⁴, I. Moinuddin⁴, T. Alhamad⁵, V. Bowers⁶, S. Ghosh⁷, W. Tian⁷, E. Stites⁸, S. Anand⁹, ¹University of Texas McGovern Medical School, Houston, TX, ²University of Minnesota, Minneapolis, MN, ³University of Maryland School of Medicine, Baltimore, MD, ⁴Virginia Commonwealth University, Richmond, VA, ⁵Washington University in St. Louis, St. Louis, MO, ⁶Tampa General Hospital, Tampa, FL, ⁷CareDx, Brisbane, CA, ⁸University of Colorado, Aurora, CO, ⁹Intermountain Medical Center, Murray, UT

6:20 PM - 6:25 PM

Characterization of Retransplantation Following Graft Failure Due to Bkvn

K. Nguyen¹, H. Curtis², J. Panichella², H. Resweber³, A. Di Carlo², S. Karhadkar¹, ¹Surgery, Temple University School of

Medicine, Philadelphia, PA, ²Surgery, Temple University School of Medicine, Philadelphia, PA, ³Surgery, Temple University School of Medicine, Gladwyne, PA

6:25 PM - 6:30 PM

Transcriptomics and Proteomics Profiling of Complement Pathway (cp) Proteins in Biopsies With Polyomavirus Bk Nephropathy (bkvn)

P. Randhawa¹, F. Fei², Y. Huang¹, G. Tseng³, K. Xiao⁴, ¹Departments of Pathology, Pittsburgh, PA, ²Pharmacology and Chemical Biology, Pittsburgh, PA, ³Biostatistics, Pittsburgh, PA, ⁴Pharmacology and Chemical Biology, University of Pittsburgh, Pittsburgh, PA

6:30 PM - 6:35 PM

Efficacy of MAU868, a Novel BKV Neutralizing Monoclonal Antibody (mAb), for the Treatment of Severe BK Virus Nephropathy (BKVN) After Kidney Transplant

S. C. Jordan¹, N. Ammerman², M. Toyoda³, K. Lim², J. R. Abend⁴, A. Patick⁵, M. R. Hodges⁵, A. Vo², S. J. Kovacs⁶, ¹Comprehensive Transplant Center, Cedars Sinai Medical Ctr, West Hollywood, CA, ²Comprehensive Transplant Center, Cedars Sinai Medical Ctr, Los Angeles, CA, ³Cedars Sinai Medical Ctr, Los Angeles, CA, ⁴Novartis Institutes for BioMedical Research, Virology Research, Emeryville, CA, ⁵Amplix Pharmaceuticals, San Diego, CA, ⁶Novartis Institutes for BioMedical Research, Translational Medicine, East Hanover, NJ

6:35 PM - 6:40 PM

Immunosuppression Reduction Strategies for Polyoma BK Viremia in Kidney Transplant Patients on Belatacept-Based Immunosuppression

O. Roe¹, E. Meredith¹, A. Reid², A. Basu³, ¹Emory University Hospital, Atlanta, GA, ²University of California San Francisco Medical Center, San Francisco, CA, ³Emory Transplant Center, Atlanta, GA

6:40 PM - 7:00 PM

Live Video Question and Answer

Program Topic: Basic

Rejection, Innate Immunity and Allorecognition

6:00 PM - 7:00 PM

Moderators:

Heth Turnquist, PhD, Univ of Pittsburgh, T.E. Starzl Transplant Institute, Associate Professor, Pittsburgh, PA, USA

Naoka Murakami, MD PhD, Brigham and Women's Hospital, Instructor, Boston, MA, USA

6:00 PM - 6:05 PM

Dna-pkcs Regulation of the Allogeneic Immune Response

L. Burdine, M. Burdine, Z. Waldrip, D. Harrison, *University of Arkansas, Little Rock, AR*

6:05 PM - 6:10 PM

P40 Homodimers Induce IL-15 to Promote Endogenous Donor-reactive Memory Cd8 T Cell Activation within High-risk Cardiac Allografts

H. Tsuda, A. Valujskikh, R. Fairchild, *Inflammation and Immunity, Cleveland Clinic, Cleveland, OH*

6:10 PM - 6:15 PM

Contribution of T-bet Expressing CD27+ CD21- Activated Memory B Cells Poised for Plasma Cell Differentiation to Antibody-mediated Rejection of Kidney Transplants

K. Louis¹, E. Bailly¹, C. Macedo¹, B. Ramaswami¹, X. Gu¹, G. Chalasani¹, A. Zeevi¹, P. Randhawa¹, H. Singh², C. Leflaucheur³, D. Metes¹, ¹*Surgery, University of Pittsburgh, Pittsburgh, PA*, ²*Center for Systems Immunology, Department of Immunology, University of Pittsburgh, Pittsburgh, PA*, ³*Human Immunology and Immunopathology, INSERM U976, Paris, France*

6:15 PM - 6:20 PM

Donor Mhc-independent Islet Rejection in Autoimmune Diabetes: Implications for Stem Cell Therapy

R. G. Gill¹, M. Coulombe², K. S. Beard¹, A. L. Burrack³, ¹*University of Colorado, Aurora, CO*, ²*Surgery, University of Colorado, Aurora, CO*, ³*Microbiology and Immunology, University of Minnesota, Minneapolis, MN*

6:20 PM - 6:25 PM

Accelerated Bronchiolitis Obliterans After Lung Transplant Promoted by an ATG16L1 Mutation is Coupled to Mitochondrial Damage and Metabolic Alterations in Monocyte-derived Antigen Presenting Cells

M. Cano¹, D. Zhou¹, D. Kreisel¹, C. Chen², K. Pugh¹, D. Byers¹, R. Hachem¹, A. Gelman¹, ¹*Washington University, Saint Louis, MO*, ²*UT Southwestern Medical Center, Dallas, TX*

6:25 PM - 6:30 PM

Resolution of Endothelial Inflammation is Delayed Following IFN γ , Which Provokes a Long-lasting Pro-adhesive Phenotype Dependent on JAK/STAT Signaling

N. M. Valenzuela, *Pathology and Laboratory Medicine, UCLA, Los Angeles, CA*

6:30 PM - 6:35 PM

PD-1/PD-L1 Selectively Regulates Treg Lymphatic Migration

W. Piao¹, L. Li¹, C. Paluskievicz¹, Y. Zhang², V. Saxena³, K. Hippen², B. Blazar², L. Riella⁴, J. Bromberg¹, ¹*Surgery, U Maryland, Baltimore, MD*, ²*U Minnesota, Minneapolis, MN*, ³*U Maryland, Baltimore, MD*, ⁴*Harvard U, Boston, MA*

6:35 PM - 6:40 PM

Ikaros-SIRT1 Signaling Axis Regulates Macrophage Polarization and Ischemia Reperfusion Injury in Mouse and Human Liver Transplantation

K. Kadono¹, H. Hirao¹, H. Kojima¹, K. J. Dery¹, X. Li², J. W. Kupiec-Weglinski¹, ¹*The Dumont-UCLA Transplant Center, Los Angeles, CA*, ²*NIEHS, Durham, NC*

6:40 PM - 7:00 PM

Live Video Question and Answer

Program Topic: Liver

Liver Pediatrics

6:00 PM - 7:00 PM

Moderators:

Khashayar Vakili, MD, Boston Children's Hospital, Surgical Director of Liver, Kidney, Intestine, and Multivisceral Transplant Programs, Boston, MA, USA

6:00 PM - 6:05 PM

Pediatric Donation During COVID-19 Pandemic

M. MacConmara, B. Wang, L. de Gregorio, J. Shah, D. Desai, S. Hanish, P. Vagefi, C. S. Hwang, *Surgery, UT Southwestern Medical Center, Dallas, TX*

6:05 PM - 6:10 PM

The Pediatric National Liver Review Board: What Happens to Waitlist Registrations with Denied Exception Forms?

J. Foutz¹, C. Martinez¹, A. Henderson¹, E. K. Hsu², E. R. Perito³, J. Heimbach⁴, ¹*United Network for Organ Sharing, Richmond, VA*, ²*Seattle Children's Hospital, Seattle, WA*, ³*UCSF, San Francisco, CA*, ⁴*Mayo Clinic, Rochester, MN*

6:10 PM - 6:15 PM

The Confluence of Race, Socioeconomic Deprivation, and Waitlist Mortality for Children Awaiting Liver Transplant

S. Wadhvani¹, J. Ge¹, L. Gottlieb¹, C. Lyles¹, A. F. Beck², J. Bucuvalas³, U. Kotagal², J. C. Lai¹, ¹*University of California San Francisco, San Francisco, CA*, ²*Cincinnati Children's Hospital Medical Center, Cincinnati, OH*, ³*Icahn School of Medicine at Mount Sinai, New York, NY*

6:15 PM - 6:20 PM

Clinical Value of Surveillance Biopsies in Pediatric Liver Transplantation: A Single Center Experience with >800 Biopsies

B. Rocque¹, A. Zaldana¹, C. Weaver², J. Huang¹, A. Barbeta¹, V. Shakhin², C. Goldbeck¹, G. Yanni², R. Kohli², Y. Genyk¹, J. Emamaullee¹, ¹*Surgery, University of Southern California Keck School of Medicine, Los Angeles, CA*, ²*Pediatrics, Children's Hospital-Los Angeles, Los Angeles, CA*

6:20 PM - 6:25 PM

Degree of T Cell Infiltration Predicts Treatment Response in Pediatric Liver Late Acute Cellular Rejection

M. Rogers, G. Begum, Q. Sun, A. Peters, *Cincinnati Children's Hospital Medical Center, Cincinnati, OH*

6:25 PM - 6:30 PM

Are All DSA's the Same? Are We Ready for Precision Medicine in Pediatric LT?

S. E. Shin¹, M. Lee¹, N. Yazigi², K. Khan², S. Kaufman², J. Ahn³, O. Timofeeva⁴, U. Ekong², ¹*Georgetown University School of Medicine, Washington, DC*, ²*Medstar Georgetown Transplant Institute, Medstar Georgetown University Hospital, Washington, DC*, ³*Biostatistics, Bioinformatics, & Biomathematics, Georgetown University, Washington, DC*, ⁴*Histocompatibility Laboratory, Dept. of Pathology & Laboratory Medicine, Georgetown University, Washington, DC*

6:30 PM - 6:35 PM

Center Use of Technical Variant Grafts Impacts Pediatric Liver Transplant Waitlist and Recipient Outcomes in the United States

G. Mazariegos¹, E. R. Perito², J. Squires¹, K. Soltys¹, A. Griesemer³, S. A. Taylor⁴, E. Pahl⁵, ¹*Childrens Hosp of Pittsburgh, Pittsburgh, PA*, ²*UCSF, San Francisco, CA*, ³*Columbia University Irving Medical Center, New York, NY*, ⁴*Lurie Children's Hospital of Chicago, Chicago, IL*, ⁵*Omnilife, Lexington, KY*

6:35 PM - 6:40 PM

Cost Effectiveness Analysis Comparing Treatments of Biliary Strictures in Pediatric Liver Transplant Patients

B. Whitehead¹, C. Lemoine², R. Superina², J. Green³, S. Mohammad¹, ¹Division of Gastroenterology, Hepatology and Nutrition, Ann and Robert H. Lurie Children's Hospital of Chicago, Chicago, IL, ²Division of Transplant Surgery, Ann and Robert H. Lurie Children's Hospital of Chicago, Chicago, IL, ³Division of Interventional Radiology, Ann and Robert H. Lurie Children's Hospital of Chicago, Chicago, IL

6:40 PM - 7:00 PM

Live Video Question and Answer

Program Topic: Kidney

Kidney Immunosuppression

6:00 PM - 7:00 PM

Moderators:

Beatrice Concepcion, MD, Vanderbilt University Medical Center, Kidney Immunosuppression, Nashville, TN, USA
Anil Chandraker, Brigham and Women's Hospital, Boston, MA, USA

6:00 PM - 6:05 PM

A Phase 1 Study to Evaluate the Safety, Tolerability and Pharmacokinetics of At-1501

S. Perrin¹, A. Gill², C. Gill², P. Gustafson¹, ¹Novus Therapeutics, Irvine, CA, ²ALS Therapy Development Institute, Cambridge, MA

6:05 PM - 6:10 PM

Evaluation of a Weight-Based Mycophenolate Mofetil Dosing Protocol for Kidney Transplant Maintenance Immunosuppression

M. Mahoney¹, E. Kincaide¹, J. Nelson¹, K. Klein¹, R. Hall¹, S. Bhayana², ¹University Health, San Antonio, Department of Pharmacotherapy and Pharmacy Services, The University of Texas at Austin,

Pharmacotherapy Division, College of Pharmacy, San Antonio, TX, ²University Transplant Center, University Health, San Antonio, Department of Nephrology, The University of Texas Health Science Center at San Antonio, San Antonio, TX

6:10 PM - 6:15 PM

The Clinical Validation of a Dried Blood Spot Method for Simultaneous Tacrolimus and Creatinine Measurement

M. I. Francke¹, S. Bouarfa², B. van Domburg², D. van de Velde², M. E. Hellemons³, O. C. Manintveld⁴, S. M. Last-Koopmans⁵, M. B. Mulder², D. A. Hesselink¹, B. C. de Winter², ¹Internal medicine, nephrology and transplantation, Erasmus MC, University Medical Center, Rotterdam, Netherlands, ²Hospital Pharmacy, Erasmus MC, University Medical Center, Rotterdam, Netherlands, ³Pulmonary medicine, Erasmus MC, University Medical Center, Rotterdam, Netherlands, ⁴Cardiology, Erasmus MC, University Medical Center, Rotterdam, Netherlands, ⁵Hematology, Erasmus MC, University Medical Center, Rotterdam, Netherlands

6:15 PM - 6:20 PM

CD40 Blockade by the Fc-Silent Immunosuppressive Antibody Iscalimab Results in Diminished B Cell Activation and Differentiation and is Paralleled by Whole Blood Gene Expression Data

R. Kraaijeveld¹, M. W. van den Hoogen¹, A. E. de Weerd¹, E. Ferrero², G. Robert², U. Laessing², B. Haraldsson², J. S. Rush², C. C. Baan¹, ¹Erasmus MC, Rotterdam, Netherlands, ²Novartis Pharmaceuticals AG, Basel, Switzerland

6:20 PM - 6:25 PM

Conversion to Belatacept Based Immunosuppression Regimen in Kidney Transplant Patients: Lessons Learned

R. Saidi, N. Huang, C. Yang, I. Movileanu, K. Ecal, A. Senay, O. Pankewycz, R. Dvorai, R. Shahbazov, M. Laftavi, SUNY Upstate,

Syracuse, NY

6:25 PM - 6:30 PM

Immunosuppression and Cancer Risk in Kidney Transplant Recipients: A Retrospective Cohort Study

R. Sapir-Pichhadze¹, C. Laprise¹, X. Zhang¹, M. Abrahamowicz¹, M. Beauchamp², A. Della Vecchia¹, L. Azoulay¹, E. Franco¹, B. Nicolau¹, ¹McGill University, Montreal, QC, Canada, ²McGill University Health Centre, Montreal, QC, Canada

6:30 PM - 6:35 PM

Clinical Outcomes Associated with Induction Therapy Regimens for Kidney Transplantation in Children: A NAPRTCS and PHIS Collaborative Report

H. Pizzo¹, D. Levy Erez², N. M. Rodig³, T. Richardson⁴, M. Somers³, ¹Pediatric Nephrology, Cedars-Sinai Medical Center, Los Angeles, CA, ²Nephrology Institute, Schneider Children's Medical Center, Tel Aviv, Israel, ³Nephrology, Boston Children's Hospital, Boston, MA, ⁴Children's Hospital Association, Lenexa, KS

6:35 PM - 6:40 PM

Single-Dose Basiliximab Induction Therapy in Low-Immunologic Risk Kidney Transplant Recipients

A. Hutchins, J. Schoen, J. S. McMullen, Pharmacy, Nebraska Medicine, Omaha, NE

6:40 PM - 7:00 PM

Live Video Question and Answer

Program Topic: All Organs

Disparities in Access and Outcomes in Kidney Transplantation

6:00 PM - 7:00 PM

Moderators:

Liise Kayler, MD MS, Erie County Medical Center, Buffalo, NY, USA

6:00 PM - 6:05 PM

Initial Kidney Transplant Evaluations with Telehealth: Is it a Pandemic Only Practice?

A. Govil¹, E. Tims², C. Siemer², J. Harris², C. King², S. Shah¹, C. Thakar¹, ¹Univ of Cincinnati, Cincinnati, OH, ²UC Health, Cincinnati, OH

6:05 PM - 6:10 PM

Low Socio-economic Status is Associated with Lower Kidney Graft Survival and Increased Risk of Graft Failure Due to Acute Rejection

W. Xie¹, G. Vrakas¹, S. H. Gray¹, A. Haririan², J. R. Scalea¹, J. S. Bromberg¹, D. G. Maluf¹, R. P. Meier¹, ¹Department of Surgery, University of Maryland School of Medicine, Baltimore, MD, ²Department of Medicine, University of Maryland School of Medicine, Baltimore, MD

6:10 PM - 6:15 PM

Geospatial Analysis of Organ Procurement Organizations and Its Impact on Organ Donation Rates

D. Chyou¹, K. Ross-Driscoll², R. Lynch², D. S. Goldberg¹, ¹University of Miami, Miami, FL, ²Emory University School of Medicine, Atlanta, GA

6:15 PM - 6:20 PM

Obesity is Associated with Greater Gender Disparity in Access to Kidney Transplantation

S. S. Sheikh, B. Orandi, P. MacLennan, H. Qu, R. M. Cannon, D. Anderson, M. Hanaway, S. Mehta, V. Kumar, R. Reed, J. Locke, Surgery, University of Alabama at Birmingham, Birmingham, AL

6:20 PM - 6:25 PM

Age and Racial Disparities in Access to Re-kidney Transplantation

S. S. Patole¹, J. Ahn¹, S. Sandal², D. Segev¹, M. McAdams Demarco³, ¹Department of Transplantation Surgery, Johns Hopkins School of Medicine, Baltimore, MD, ²McGill University, Montreal, QC, Canada, ³Department of Epidemiology, Johns Hopkins

School of Medicine, Baltimore, MD

6:25 PM - 6:30 PM

Impact of a Latinx Kidney Transplant Clinic
P. Serrano Rodriguez, Abdominal Transplant Surgery, University of North Carolina at Chapel Hill, Chapel Hill, NC

6:30 PM - 6:35 PM

Disparities in Access to Listing in Rural Populations Post-KAS Implementation
S. H. Nguyen¹, R. R. Redfield², N. Neidlinger¹, D. P. Foley¹, D. B. Kaufman¹, J. T. Adler³, ¹Department of Surgery, University of Wisconsin School of Medicine and Public Health, Madison, WI, ²Department of Surgery, University of Pennsylvania, Philadelphia, PA, ³Department of Surgery, Brigham and Women's Hospital, Boston, MA

6:35 PM - 6:40 PM

Rural Dialysis Facilities are Associated with Better Dialysis Quality but Less Home Dialysis Use
J. T. Adler¹, L. Xiang¹, S. S. Waikar², ¹Surgery, Brigham and Women's Hospital, Boston, MA, ²Medicine, Boston Medical Center, Boston, MA

6:40 PM - 7:00 PM

Live Video Question and Answer

Break

7:00 PM - 7:30 PM

Sponsor Networking

7:30 PM - 8:30 PM

Program Topic: All Topics

Sponsor Networking

Poster Video Chat Sessions

7:30 PM - 8:30 PM

Program Topic: Kidney

Kidney Alloimmune Responses

7:30 PM - 8:30 PM

Moderators:

Samy Riad, MD, MS, University of Minnesota, Assistant Professor of Medicine, Eden Prairie, MN, USA

7:30 PM - 7:40 PM

Digital Spatial Mrna Profiling Reveals Distinct Endothelial Transcripts in Dsa+ and Dsa- Endarteritis in Kidney Allografts

K. Tomaszewski¹, M. Araujo Medina¹, A. Bruce¹, P. Divakar², R. Smith¹, T. Kawai³, R. Colvin¹, I. Rosales¹, ¹Department of Pathology, Massachusetts General Hospital, Boston, MA, ²NanoString Technologies, Inc., Seattle, WA, ³Department of Surgery, Massachusetts General Hospital, Boston, MA

7:40 PM - 7:50 PM

Endothelial-to-Myofibroblast Transition (enmt) and Low Expression of Capillary Vegf Enhance the Development of Interstitial Fibrosis and Glomerulosclerosis Induced by Microvascular Destruction in Antibody-Mediated Rejection (abmr) Patients

B. Ozdemir¹, E. Akcay¹, A. Ok Atilgan¹, M. Haberal², ¹Department of Pathology, Baskent University, Ankara, Turkey, ²Division of Transplantation, Department of General Surgery, Baskent University, Ankara, Turkey

7:50 PM - 8:00 PM

A Comparison of Plasmapheresis Methods in the Treatment of Late Antibody Mediated Rejection

Y. Caliskan¹, H. Yazici², A. B. Dirim², E. Aksoy², S. Safak², N. Garayeva², S. Mirioglu², O. Yegit², O. A. Oto², Y. Ozluk³, S. Besisik⁴, A. Turkmen², K. Lentine¹, ¹Saint

Louis University, Saint Louis, MO, ²Division of Nephrology, Istanbul University, Istanbul, Turkey, ³Department of Pathology, Istanbul University, Istanbul, Turkey, ⁴Division of Hematology, Istanbul University, Istanbul, Turkey

8:00 PM - 8:10 PM

Investigating the HLA Alloimmune Background of the Histological Changes Suggestive of Antibody-mediated Injury in the Absence of Donor-specific Anti-HLA Antibodies

A. Senev, M. Naesens, Microbiology, Immunology and Transplantation, KU Leuven, Leuven, Belgium

8:10 PM - 8:20 PM

Live Video Question and Answer

Program Topic: Basic

Basic 1

7:30 PM - 8:30 PM

Moderators:

Megan Sykes, MD, Columbia University, Professor, Columbia University, Director, Columbia Center for Translational Immunology, New York, NY, USA

Stefan Tullius, MD, PhD, Brigham & Women's Hospital, Chief, Division of Transplant Surgery, Boston, MA, USA

7:30 PM - 7:40 PM

Atg16l-Dependent Autophagy Attenuates Procession of Renal Interstitial Fibrosis in Chronic Renal Graft Dysfunction via Regulating Tumor Necrosis Factor Alpha (tnf- α) Induced Endmt

Z. Gui, Z. Wang, Z. Han, J. Tao, X. Ju, R. Tan, M. Gu, The First Affiliated Hospital of Nanjing Medical University, Nanjing, China

7:40 PM - 7:50 PM

Single-Cell RNA-seq Identifies Intra-Graft Population Heterogeneity in Acute Heart Allograft Rejection in the Mouse

C. Wu¹, Y. Tang¹, X. Shi¹, X. He¹, X. Li²,
¹The First Affiliated Hospital, Sun Yat-sen University, Guangzhou, China,
²Immunobiology & Transplant Sciences Houston Methodist Hospital, Houston, TX

7:50 PM - 8:00 PM

Extracellular Matrix Injury of Kidney Allografts in Antibody-mediated Rejection

S. Clotet Freixas¹, C. McEvoy¹, I. Batruch², C. Pastrello³, M. Kotlyar³, J. Van¹, M. Arambewela¹, A. Boshart¹, S. Farkona¹, Y. Niu³, Y. Li¹, O. Famure¹, A. Bozovic⁴, V. Kulasingam⁴, P. Chen¹, J. S. Kim¹, E. Chan⁵, S. Moshkelgosha¹, S. A. Rahman⁶, J. Das⁶, T. Martinu¹, S. Juvet¹, I. Jurisica³, A. Chruscinski¹, R. John¹, A. Konvalinka¹,

¹Toronto General Hospital Research Institute, University Health Network, Toronto, ON, Canada, ²Department of Laboratory Medicine and Pathobiology, Lunenfeld-Tanenbaum Research Institute, Mount Sinai Hospital, Toronto, ON, Canada, ³Krembil Research Institute, University Health Network, Toronto, ON, Canada, ⁴Department of Laboratory Medicine and Pathobiology, University of Toronto, Toronto, ON, Canada, ⁵Department of Medicine, Division of Nephrology, University Health Network, Toronto, ON, Canada, ⁶Center for Systems Immunology, University of Pittsburgh School of Medicine, Pittsburgh, PA

8:00 PM - 8:10 PM

Laminin Alpha 4 and Alpha5 Differentially Regulate Lymph Node Tolerogenic Structure

L. Li¹, M. Shirkey¹, W. Piao¹, Y. Xiong¹, V. Saxena¹, T. Zhang¹, J. Iyyathurai², R. Lakhan¹, R. Abdi³, J. Bromberg¹, ¹Surgery, UMB, Baltimore, MD, ²CVID, UMB, Baltimore, MD, ³Harvard University, Boston, MD

8:10 PM - 8:20 PM

Short-term Therapy with Anti-icam-1 Monoclonal Antibody Induced Long-term Liver Allograft Survival in Non-human Primates

S. Hong¹, D. Han², S. Lee², J. Kim³, E. Hwang³, H. Kim⁴, J. Lee⁵, K. Hong¹, E. Han¹, J. Cho¹, J. Lee¹, Y. Choi¹, K. Lee¹, N. Yi¹, J. Yang¹, K. Suh¹, ¹*Surgery, Seoul National University College of Medicine, Seoul, Korea, Republic of*, ²*Biomedical Research Institute, Seoul National University College of Medicine, Seoul, Korea, Republic of*, ³*Microbiology and Immunology, Seoul National University College of Medicine, Seoul, Korea, Republic of*, ⁴*Pathology, Seoul National University College of Medicine, Seoul, Korea, Republic of*, ⁵*Medicine, Seoul National University College of Medicine, Seoul, Korea, Republic of*

8:20 PM - 8:30 PM

Live Video Question and Answer

Program Topic: Admin

Quality Assurance Process Improvement & Regulatory Issues

7:30 PM - 8:30 PM

Moderators:

Andrea Tietjen, MBA, Saint Barnabas Medical Center, AVP Transplant Administration, Finance and Quality, Livingston, NJ, USA

7:30 PM - 7:40 PM

Results of the APP Practice Survey: Do APPs Practice at the Top of Their Scope of Practice?

H. Domingo¹, D. Krieger², B. Muth³, A. Frank⁴, A. Borth⁵, H. McDade⁵, K. Paolini⁶, A. Mayfield⁵, M. Siegfired⁷, J. Yoo⁸, H. Hoy⁹, N. McCormick¹⁰, ¹*Northwestern University, Chicago, IL*, ²*University of California-San Francisco, San Francisco, CA*, ³*University of Wisconsin, Madison, WI*, ⁴*Medstar*

Georgetown University, Annandale, VA, ⁵*University of Maryland, Baltimore, MD*, ⁶*Erie County Medical Center, Grand Island, NY*, ⁷*Swedish Organ Transplant, Seattle, WA*, ⁸*Rush University, Chicago, IL*, ⁹*University of Alabama - Huntsville, Huntsville, AL*, ¹⁰*University of Colorado-Denver, Denver, CO*

7:40 PM - 7:50 PM

Covid-19 Incidence Was Initially Associated with Posttransplant Kidney Graft Failure

A. Wey¹, J. Miller¹, D. Musgrove¹, N. Salkowski¹, M. Tabaka¹, R. Hirose², A. Massie³, D. Segev³, A. Israni¹, J. Snyder¹, B. Kasiske¹, ¹*SRTR, Minneapolis, MN*, ²*Univ of San Francisco, San Francisco, CA*, ³*Johns Hopkins, Baltimore, MD*

7:50 PM - 8:00 PM

Centre Variation in Emergency Hospital Readmissions Following Renal Transplantation in England

J. Peracha¹, D. Pitcher¹, R. Steenkamp¹, J. Medcalf², G. Lipkin³, D. Nitsch⁴, W. McKane⁵, ¹*UK Renal Registry, Bristol, United Kingdom*, ²*John Walls Renal Unit, Leicester General Hospital, Leicester, United Kingdom*, ³*University Hospitals Birmingham, Birmingham, United Kingdom*, ⁴*London School of Hygiene and Tropical Medicine, London, United Kingdom*, ⁵*Sheffield Kidney Institute, Northern General Hospital, Sheffield, United Kingdom*

8:00 PM - 8:10 PM

Results of the Transplant Advance Practice Provider Survey: Opportunities for APPs to Contribute to Academic Pursuits

B. Muth¹, D. Krieger², N. McCormick³, M. Siegfired⁴, H. Domingo⁵, J. Yoo⁶, A. Frank⁷, K. Paolini⁸, A. Mayfield⁹, H. McDade⁹, A. Borth⁹, H. Hoy¹⁰, ¹*University of Wisconsin, Madison, WI*, ²*UCSF, San Francisco, CA*, ³*University of Colorado, Denver, CO*, ⁴*Swedish Organ Transplant, Seattle, WA*, ⁵*Northwestern, Chicago, IL*, ⁶*Rush, Chicago, IL*, ⁷*Medstar Georgetown University,*

Annandale, VA, ⁸Erie County Medical Center, Grand Island, NY, ⁹University of Maryland, Baltimore, MD, ¹⁰University of Alabama - Huntsville, Huntsville, AL

8:10 PM - 8:20 PM

A Comparison of Pediatric Intestine Transplant Between the Current Era (2015-2019) and the Peak Period (2002-2006)

S. Horslen¹, T. Weaver², M. Skeans²,
¹Seattle Children's Hospital, Seattle, WA,
²SRTR, Minneapolis, MN

8:20 PM - 8:30 PM

Live Video Question and Answer

Program Topic: ID

Infectious Disease 1

7:30 PM - 8:30 PM

Moderators:

Ann Woolley, MD, MPH, Brigham and Women's Hospital, Associate Clinical Director of Transplant Infectious Diseases, Boston, MA, USA

Stephanie Pouch, MD, MS, FAST, Emory University School of Medicine, Associate Professor of Medicine, Atlanta, GA, USA

7:30 PM - 7:40 PM

T-Cell Exhaustion in EBV DNAemic Solid Organ Transplant Recipients

S. Kothari, T. Ku, D. Kumar, A. Humar, V. H. Ferreira, Multi-Organ Transplant Program, University Health Network, Toronto, ON, Canada

7:40 PM - 7:50 PM

Development of De Novo Antibody in Renal Transplant Recipients with BK Viremia Managed with Immunosuppression Reduction

R. Hod Dvorai¹, R. Lee², P. Muluhngwi², M. Rajmakers³, A. Shetty², A. Tambur², M. Ison², ¹SUNY Upstate Medical University, Syracuse, NY, ²Northwestern University, Chicago, IL, ³University of Santiago,

Santiago, Chile

7:50 PM - 8:00 PM

De Novo Hepatitis B Infection Following Liver Transplant with Hepatitis B Core Antibody Positive Graft

L. J. Myhre¹, K. D. Watt², B. A. Aqel³,
¹Pharmacy, Mayo Clinic, Rochester, MN,
²Gastroenterology/Hepatology, Mayo Clinic, Rochester, MN,
³Gastroenterology/Hepatology, Mayo Clinic, Phoenix, AZ

8:00 PM - 8:30 PM

Live Video Question and Answer

Program Topic: All Organs

Organ Inclusive

7:30 PM - 7:40 PM

Impact of Machine Perfusion of the Heart on Abdominal Organ Procurement from Donation After Cardiac Death Donors

C. Feizpour, C. Hwang, A. Shubin, J. Shah, L. DeGregoria, S. Hanish, P. Vagefi, M. MacConmara, Department of Surgery, Division of Surgical Transplantation, University of Texas Southwestern Medical Center, Dallas, TX

7:40 PM - 7:50 PM

Risk Classification Models for Kidney Graft Failure

M. G. Naik¹, K. Budde¹, D. Telmo Neves²,
¹Medical Department, Division of Nephrology and Internal Intensive Care Medicine, Charité, Berlin, Germany, ²Intelligent Analytics for Massive Data, German Research Center for Artificial Intelligence, Berlin, Germany

7:50 PM - 8:00 PM

Associations of Mammalian Target of Rapamycin Inhibitors with Post-Transplant Malignancies and All-Cause Mortality: Cause-Specific Competing Risks and Composite

Outcomes Analyses

A. H. Santos¹, E. Bueno¹, M. A. Leghrouz¹,
W. Xuerong², ¹University of Florida,
Gainesville, FL, ²University of Rhode Island,
Kingston, RI

8:00 PM - 8:10 PM

**Feasibility of Normothermic Ex Vivo Kidney
Perfusion for Human Kidney Transplantation:
First North American Results**

L. I. Mazilescu¹, P. Urbanellis¹, J. S. Kim¹, A.
Konvalinka¹, T. W. Reichman¹, L. A.
Robinson², A. Ghanekar¹, M. Selzner¹,
¹Ajmera Transplant Program, Toronto
General Hospital, Toronto, ON, Canada,
²Department of Nephrology, The Hospital for
Sick Children, Toronto, ON, Canada

8:10 PM - 8:20 PM

**Change in Deceased Donor Demographics
with Drug Intoxication Deaths: 2010 - 2019**

D. Musgrove, D. Zaun, A. Israni, J. Snyder,
SRTR, Minneapolis, MN

8:20 PM - 8:30 PM

Live Video Question and Answer

AST Town Hall

7:30 PM - 8:30 PM

AST Town Hall

Access:

www.myast.org

Tuesday, June 8, 2021

Welcome

8:45 AM - 9:00 AM

IMPACT Sessions

9:00 AM - 10:00 AM

Program Topic: Other & Heart

**Uh Oh, My New Home is a Lemon:
Cardiovascular Disease after Solid Organ
Transplant**

9:00 AM - 10:00 AM

Moderators:

Darshana Dadhania, M.D., Weill Cornell
Medicine - NYPH, Associate Professor of
Medicine, New York, NY, USA

Lisa Van Wagner, MD MSc FAST FAHA,
Northwestern University, Assistant Professor,
Chicago, IL, USA

9:00 AM - 9:10 AM

**How Much Does the Plumber Want for
Clogged Pipes? Coronary Artery Disease
after Transplant**

Jagbir Gill, MD, Univ of British Columbia

9:10 AM - 9:20 AM

**Put on the Sweater, the Heat Circulation is
Broken. Heart Failure After**

Maryse Palardy, MD, University of Michigan,
Clinical Assistant Professor, Ann Arbor, MI,
USA

9:20 AM - 9:30 AM

**Who is the Contractor? – How Do We Bridge
the Gap in the Fragmented Cardiac Care**

Janani Rangaswami, MD, Einstein Medical
Center, MD, Philadelphia, PA, USA

9:30 AM - 9:40 AM

Has the Ground Shifted? These Doors Won't Close: Valvular Disease after Transplant
Jose Tallaj, MD, Univ of Alabama at Birmingham (UAB), Professor of Medicine, Birmingham, AL, USA

9:40 AM - 10:00 AM

Live Video Question and Answer

Program Topic: Liver

Weighing in on Bariatric Surgery and Liver Transplantation

9:00 AM - 10:00 AM

Moderators:

Elizabeth Carey, MD, Mayo Clinic
 Scottsdale, Phoenix, AZ, USA

Andrew Posselt, MD, UCSF, Professor of Surgery, San Francisco, CA, USA

9:00 AM - 9:10 AM

Facing the Obesity Challenge in the Liver Transplant Candidate

Elizabeth Carey, MD, Mayo Clinic,
 Transplant Hepatologist, Phoenix, AZ, USA

9:10 AM - 9:20 AM

Pro: Bariatric Surgery Cures Obesity and Improves Outcomes after Transplant

Caroline Jadowiec, MD, Mayo Clinic
 Arizona, Dr., Phoenix, AZ, USA

9:20 AM - 9:30 AM

Con: Bariatric Surgery is Not the Answer

Sumeet Asrani, MD, Liver Consultants of Texas, Dallas, TX, USA

9:30 AM - 10:00 AM

Live Video Rebuttal, Question and Answer

Program Topic: Kidney

What's New in the KDIGO Clinical Practice Guideline on the Evaluation and Management of Candidates for Kidney Transplantation?

9:00 AM - 10:00 AM

Moderators:

Greg Knoll, MD, The Ottawa Hospital, Head, Division of Nephrology, Ottawa, ON, Canada

Steve Chadban, MD, Royal Prince Alfred Hospital, Professor, Sydney, Australia

9:00 AM - 9:10 AM

Perioperative Challenges in Managing Patients with Obesity, Frailty and Patients Requiring Perioperative Anticoagulation

David Axelrod, MD, MBA, University of Iowa, Professor of Surgery, Iowa City, IA, USA

9:10 AM - 9:20 AM

Patients with Prior Advanced Stage Cancer- What Should be Considered?

Germaine Wong, MBBS PhD FRACP, University of Sydney, Professor, Sydney, Australia

9:20 AM - 9:30 AM

Unique Considerations for Screening and Prevention of Infectious Diseases in Kidney Transplant Candidates

Deepali Kumar, MD, University Health Network, Toronto, ON, Canada

9:30 AM - 10:00 AM

Live Video Question and Answer

Non Role, Non-Role, Non-Role, MN, USA

Program Topic: HLA

ABO Incompatible Transplantation from Genetics to Transplantation

9:00 AM - 10:00 AM

Moderators:

Kristina Davis, MD, University of Michigan, Associate Director, Blood Bank and Transfusion Service, Ann Arbor, MI, USA;
Kristina Davis, MD, University of Michigan
Jayne Locke, MD, MPH, University of Alabama at Birmingham, Professor of Surgery | Chief, Division of Transplantation | Director, Comprehensive Transplant Institute, Birmingham, AL, USA

9:00 AM - 9:10 AM

New Tools for ABO Characterization

Anne Halpin, MSc CHS, University Alberta, Ms, Edmonton, AB, Canada

9:10 AM - 9:20 AM

Clinical Implementation of ABO Incompatible Transplantation and Immunosuppression

Andrew Bentall, MBChB, Mayo Clinic, Transplant Nephrologist, Rochester, MN, USA

9:20 AM - 9:30 AM

ABOi Transplantation and Unmet Needs

Lori West, MD, DPhil, FRCPC, University of Alberta, Professor, Edmonton, AB, Canada

9:30 AM - 9:40 AM

ABO Subtypes & Clinical Implementation

Simon Ball, MD, University Hospital Birmingham, Dr, Birmingham, United Kingdom

9:40 AM - 10:00 AM

Live Video Question and Answer

Program Topic: Basic

Integrated Molecular Approach to Chronic Allograft Injury

9:00 AM - 10:00 AM

Moderators:

Enver Akalin, M.D., Albert Einstein College of Medicine, Montefiore Medical Ctr,

Professor of Medicine and Surgery, Bronx, NY, USA

9:00 AM - 9:10 AM

Small RNA Sequencing of Human Kidney Allografts with or without Tubulointerstitial Fibrosis

Manikkam Suthanthiran, MD, Weill Cornell Med Ctr., New York, NY, USA

9:10 AM - 9:20 AM

Molecular Pathways and Chronic Kidney Disease

Katalin Susztak, University of Pennsylvania, Philadelphia, PA, USA

9:20 AM - 9:30 AM

Effect of Epigenetic Modifications on Molecular Pathways Leading to Chronic Allograft Injury and Dysfunction: Application of Integrated Approaches

Valeria Mas, PhD, FAST, University of Maryland, Professor of Surgery, Baltimore, MD, USA

9:30 AM - 10:00 AM

Live Video Question and Answer

Program Topic: Pediatric

Vaccinating the Unvaccinated Prior to Transplant: Challenges and Opportunities

9:00 AM - 10:00 AM

Moderators:

Asha Moudgil, MD, Children's National Med. Ctr., Director, Pediatric Transplant, Washington, DC, USA

9:00 AM - 9:10 AM

What are the Risks and Benefits of Vaccination in Transplant Candidates and Recipients

Marian Michaels, MD MPH, Childrens Hosp of Pittsburgh, Pittsburgh, PA, USA

9:10 AM - 9:20 AM

The Epidemiology of Non-vaccination in 2021

Priya Verghese, MD, MPH, Ann & Robert H. Lurie Children's Hospital of Chicago, Professor & Division Head, Chicago, IL, USA

9:20 AM - 9:30 AM

To Transplant or Not to Transplant if Families Do Not Comply

Paul Grimm, MD, Stanford University, Prof. of Pediatrics, Stanford, CA, USA

9:30 AM - 10:00 AM

Live Video Question and Answer

Program Topic: Women's Health

Surgical Approaches to Address Sex-based Disparities in Access to Appropriately Sized Organs

9:00 AM - 10:00 AM

Moderators:

Matthew Hartwig, MD, Duke University, Durham, NC, USA

Waldo Concepcion, MD Professor of Surgery, Mohammed Bin Rashid University of Medicine, Director of Transplantation Services Al Jalila Children's Specialty Hospital, Dubai, United Arab Emirates

9:00 AM - 9:10 AM

Cutting it Down to Size - Lung Resizing

Jasleen Kukreja, MD, UCSF Medical Center, MD, San Francisco, CA, USA

9:10 AM - 9:20 AM

Two for the Price of One - Split Livers

Jorge Reyes, Professor of Surgery, University of Washington, Chief Transplant Surgery University of Washington, Director of Transplantation Seattle Children's Ho, Seattle, WA, USA

9:20 AM - 9:30 AM

Small for Small - Broader use of Pediatric Donor Organs

Richard Perez, MD, University California Davis Medical Center, Sacramento, CA, USA

9:30 AM - 10:00 AM

Live Video Question and Answer

Program Topic: VCA

VCA - Is there a way Forward to Standard of Care?

9:00 AM - 10:00 AM

Moderators:

William Kitchens, MD, PhD, Emory University School of Medicine, Assistant Professor of Surgery, Atlanta, GA, USA

Darla Granger, MD, MBA, Ascension St John Hospital, Section Chief, Transplant Surgery, Detroit, MI, USA

9:00 AM - 9:10 AM

Insurance Coverage for VCA

Jon Friedman, MD, FAST, Optum Health Medical Benefit Management, Chief Medical Officer, Manhattan Beach, CA, USA

9:10 AM - 9:20 AM

Outcomes Analysis in VCA

Hatem Amer, MD, Mayo Clinic, Associate Professor of Medicine, Rochester, MN, USA

9:20 AM - 9:30 AM

Ethical Considerations in VCA

Jim Rodrigue, PhD, Department of Surgery, Beth Israel Deaconess Medical Center, Professor & Vice Chair (Surgery), Boston, MA, USA

9:30 AM - 10:00 AM

Live Video Question and Answer

Program Topic: Kidney

To Stent or Not to Stent - That is the Ureteral Question

9:00 AM - 10:00 AM

Moderators:

Vikas Dharnidharka, MD, MPH, Washington University, Professor and Vice-Chair, Pediatrics, St. Louis, MO, USA

Hans Gritsch, MD, UCLA, Surgical Director of Kidney Transplantation, Los Angeles, CA, USA

9:00 AM - 9:10 AM

To Stent or Not to Stent - That is the Ureteral Question - Setting the Stage

Dan Brennan, MD, FACP, Johns Hopkins Medical Institute, Professor of Medicine, Baltimore, MD, USA

9:10 AM - 9:20 AM

Pro: To Stent or Not to Stent - That is the Ureteral Question

Hans Gritsch, MD, UCLA, Surgical Director of Kidney Transplant, Los Angeles, CA, USA

9:20 AM - 9:30 AM

Con: To Stent or Not to Stent - That is the Ureteral Question

Vikas Dharnidharka, MD, MPH, Washington University, Professor and Vice-Chair, Pediatrics, St. Louis, MO, USA

9:30 AM - 10:00 AM

Live Video Rebuttal, Question and Answer

Program Topic: ID

Travel, Food, and Leisure

9:00 AM - 10:00 AM

Moderators:

Yoram Puius, MD, PhD, Montefiore Medical Center, Associate Professor, Bronx, NY, USA

Nancy Law, D.O, M.P.H, University of California, San Diego, Assistant Director, Epidemiology & ASP, Immunocompromised Service; Assistant Clinical Professor of Medicine, San Diego, CA, USA

9:00 AM - 9:10 AM

Travel - Can I Travel There?

Camille Kotton, MD, Infectious Diseases Division, Clinical Director, Transplant Infectious Diseases, Newton, MA, USA

9:10 AM - 9:20 AM

Food - Can I Eat This?

Maricar Malinis, MD, Yale School of Medicine, Associate Professor of Medicine and Surgery (Transplant), New Haven, CT, USA

9:20 AM - 9:30 AM

Leisure - Can I do That?

Steven Pergam, MD, Fred Hutchinson Cancer Research Center, Associate Professor, Seattle, WA, USA

9:30 AM - 10:00 AM

Live Video Question and Answer

Program Topic: Admin

Bridge Over Troubled Water: OPTN Policy Development, Directions, and Innovations

9:00 AM - 10:00 AM

Moderators:

David Klassen, MD, United Network for Organ Sharing, Chief Medical Officer, Richmond, VA, USA

Lloyd Ratner, MD, Columbia, Professor of Surgery; Director - Renal & Pancreatic Transplantation, New York, NY, USA

9:00 AM - 9:10 AM

OPTN Policy Development: How You Can Shape Policy

Matthew Cooper, MD, Georgetown, Director, Kidney and Pancreas Transplantation, Washington, DC, USA

9:10 AM - 9:20 AM

Geography and Allocation: a Continuous Evolution

Darren Stewart, MS, United Network for

Organ Sharing, Principal Research Scientist,
 Richmond, VA, USA

9:20 AM - 9:30 AM

**Expedited Kidney Placement Project Results:
 It's Not What you Think**

Samantha Noreen, PhD, UNOS, Research
 Scientist, Richmond, VA, USA

9:30 AM - 10:00 AM

Live Video Question and Answer

Break

10:00 AM - 10:30 AM

Innovations in Transplantation

10:30 AM - 10:50 AM

Innovations in Transplantation

10:30 AM - 10:50 AM

Moderators:

Maryl Johnson, MD, Univ of Wisconsin-
 Madison, Madison, WI, USA

Linda Cendales, MD, Duke University
 Medical Center, Durham, NC, USA

10:30 AM - 10:40 AM

Human Tracheal Transplantation

Eric Genden, MD, MAH, The Icahn School
 of Medicine at Mount Sinai, New York, NY,
 USA

10:40 AM - 10:50 AM

Live Video Question and Answer

Plenary Oral Abstract Session 4

10:50 AM - 11:50 AM

Program Topic: All Topics

Plenary 4

10:50 AM - 11:50 AM

Moderators:

Linda Cendales, MD, Duke University
 Medical Center, Durham, NC, USA

Maryl Johnson, MD, Univ of Wisconsin-
 Madison, Professor of Medicine, Madison,
 WI, USA

10:50 AM - 11:00 AM

**Superior Post-transplant Clinical Outcomes
 Using Portable Normothermic Perfusion and
 Assessment with the Organ Care System
 (ocs) Liver System: 1-year Outcomes of the
 Ocs Liver Protect Randomized Controlled
 Trial**

J. Markmann¹, **M. Abouljoud²**, **M. Ghobrial³**,
C. Bhati⁴, **S. Pelletier⁵**, **J. Magliocca⁶**, **T.**
Pruett⁷, **A. Lu⁸**, **M. Rizzari⁹**, **S. Ottmann¹⁰**, **T.**
Klair¹¹, **C. Eymard¹²**, **G. Roll¹³**, **G. Reyes¹⁴**, **S.**
Black¹⁵, **S. Florman¹⁶**, **S. Mirani¹⁷**, **C.**
Marsh¹⁸, **G. Schnickel¹⁹**, **M. Kinkhabwala²⁰**,
A. Demetris²¹, **H. Yeh²²**, **P. Vagefi²³**, **M.**
MacConmara²³, ¹MGH, Boston, MA, ²Henry
 Ford, Detroit, MI, ³Houston Methodist,
 Houston, TX, ⁴Virginia Commonwealth,
 Richmond, VA, ⁵UVA, Charlottesville, VA,
⁶Emory, Atlanta, GA, ⁷U. Minnesota,
 Minneapolis, MN, ⁸Tampa General, Tampa,
 FL, ⁹Henry Ford, Detroit, MI, ¹⁰Johns
 Hopkins, Baltimore, MD, ¹¹University of
 Texas HSC, San Antonio, TX, ¹²University of
 Tennessee HSC, Memphis, TN, ¹³UCSF,
 San Francisco, CA, ¹⁴U. Washington,
 Seattle, WA, ¹⁵Ohio State, Columbus, OH,
¹⁶Mt. Sinai, New York, NY, ¹⁷U. Nebraska,
 Omaha, NE, ¹⁸Scripps Clinic, San Diego, CA,
¹⁹U. San Diego, San Diego, CA,
²⁰Montefiore, New York, MA, ²¹UPMC,
 Pittsburgh, PA, ²²Massachusetts General
 Hospital, Boston, MA, ²³UT Southwestern,
 Dallas, TX

11:00 AM - 11:10 AM

**Novel Discovery of Super-antigen That
 Mobilize Regulatory Cd8 T Cells Inhibits
 Donor-specific Antibody and Protects Heart
 Allografts from Antibody-mediated Rejection**
J. Y. Choi¹, **H. Nakagawa²**, **Z. Solhjoui¹**, **K.**

Yatim¹, H. Zhang³, P. Patel³, M. Tawfeek Mohammed³, L. Riella⁴, H. Kim², H. Cantor², J. Azzi¹, ¹Brigham and Women's Hospital/Harvard Medical School, Boston, MA, ²Dana Farber Cancer Institute/Harvard Medical School, Boston, MA, ³Brigham and Women's Hospital, Boston, MA, ⁴Massachusetts General Hospital/Harvard Medical School, Boston, MA

11:10 AM - 11:20 AM

Extreme Phenotype Sampling and Next Generation Sequencing to Identify Genetic Variants Associated with Tacrolimus Metabolism in African American Kidney Transplant Recipients

C. R. Dorr¹, B. Guo², B. Wu², J. Abrahante², D. Schladt³, R. Remmel², W. Guan², A. Muthusamy³, G. Onyeaghala³, N. Pankratz², A. Matas², R. Mannon⁴, W. Oetting², P. Jacobson², A. K. Israni³, ¹Hennepin Healthcare Research Institute, Minneapolis, MN, ²University of Minnesota, Minneapolis, MN, ³Nephrology, Hennepin Healthcare Research Institute, Minneapolis, MN, ⁴University of Nebraska Medical Center, Omaha, NE

11:20 AM - 11:30 AM

Role of Ferroptosis Inhibitors in Mitigating Ischemia-Reperfusion Injury in Marginal Livers Using a Novel Protect Model

M. D. Nazzari, J. Van Nispen, A. Armstrong, V. Murali, E. Song, M. Voigt, A. Samaddar, E. Madsen, C. Manithody, J. Krebs, D. Blackall, D. Carpenter, C. Varma, J. Teckman, A. Jain, Saint Louis University, Saint Louis, MO

11:30 AM - 11:50 AM

Live Video Question and Answer

ATC's People's Choice Awards
11:50 AM - 12:00 PM

ATC's People's Choice Award

Sponsor Networking
12:00 PM - 12:30 PM

Program Topic: All Topics

Sponsor Networking

Sponsor Connect Sessions
12:00 PM - 12:30 PM

CMV Infection Scientific Connection

Supported by Takeda

Paul I. Terasaki State-of-the-Art Lecture
12:30 PM - 1:00 PM

Program Topic: All Topics

Sponsored by the Paul I. Terasaki Research Fund

12:35 PM - 1:00 PM

Inclusive Excellence in Biomedical Research: Applying Genomics To Unravel Health Disparities In Organ Transplantation
Hannah Valentine, MD, Stanford University School of Medicine, Stanford, CA, USA

Break

1:00 PM - 1:30 PM

Sponsored Satellite Symposia
1:30 PM - 2:30 PM

Comprehensive Testing, Comprehensive Care: Renal Genetic Testing in Kidney Transplantation

Supported by Natera

Blazing the Pathway of Precision Medicine in Liver Transplantation

Supported by Eurofins Transplant Diagnostics

3:10 PM - 3:20 PM

The International Genetics & Translational Research in Transplantation Network (iGeneTRaIN)

Brendan Keating, PhD, University of Pennsylvania, Associate Professor of Transplant Research, Philadelphia, PA, USA

Clinical Applications for MMDx®: Gene Expression Profiling in Transplant Biopsies

Supported by One Lambda, Inc., A Thermo Fisher Scientific Brand

3:20 PM - 3:30 PM

Leveraging Genome-wide Data from Millions of Patients Linked to Medical Records

David Crosslin, PhD, University of Washington

3:30 PM - 4:00 PM

Live Video Question and Answer

Break

2:30 PM - 3:00 PM

IMPACT Sessions

3:00 PM - 4:00 PM

Program Topic: Kidney

Recurrent Glomerulonephritis in Transplant and the Role of Ancillary Tools in Diagnosis and Prognosis

Program Topic: Other

Utilizing Genomic and Omics for Discovery and Application in Solid-organ Transplantation

3:00 PM - 4:00 PM

Moderators:

Fernando Cosio, MD, Mayo Clinic, Moderator, Rochester, MN, USA

Lynn Cornell, MD, Mayo Clinic, Professor of Laboratory Medicine and Pathology, Rochester, MN, USA

3:00 PM - 4:00 PM

Moderators:

Loren Gragert, PhD, Tulane University School of Medicine, Assistant Professor, New Orleans, LA, USA

Ajay Israni, MD, MS, Hennepin Healthcare and Univ of Minnesota, Professor of Medicine, Minneapolis, MN, USA

3:00 PM - 3:10 PM

Recurrent AL-amyloidosis in the Transplant

Andrew Bentall, MD, Mayo Clinic, Transplant Nephrologist, Rochester, MN, USA

3:00 PM - 3:10 PM

Multi-Omic approaches in Transplantation

Brian Piening, PhD, Earle A. Chiles Research Institute, Providence, Assistant Member, Portland, OR, USA

3:10 PM - 3:20 PM

The Role of Genetic Evaluation in the Management of Patients with a Diagnosis of Focal Segmental Glomerulosclerosis

Mireille EL Ters, MD, Mayo Clinic, MD, Rochester, MN, USA

3:20 PM - 3:30 PM

Clinical Findings, Pathology, and Outcomes of C3GN After Kidney Transplantation

Ladan Zand, Mayo Clinic Rochester, Rochester, MN, USA

3:30 PM - 4:00 PM

Live Video Question and Answer

Program Topic: Kidney

Should We Abolish Cardiac Screening for Asymptomatic Kidney Transplant Candidates?

3:00 PM - 4:00 PM

Moderators:

G V Ramesh Prasad, MBBS PhD FRCP, St. Michael's Hospital, University of Toronto, Professor of Medicine, Toronto, ON, Canada

3:00 PM - 3:10 PM

The Burden of Cardiovascular Disease among Potential Kidney Transplant Candidates

Krista Lentine, MD, PhD, Saint Louis University Medical Center, Professor, Saint Louis, MO, USA

3:10 PM - 3:20 PM

Pro: The Argument FOR Abolishing Cardiac Screening of Asymptomatic Kidney Transplant Candidates

Adnan Sharif, MD, University Hospitals Birmingham, Dr, Birmingham, United Kingdom

3:20 PM - 3:30 PM

Con: The Argument AGAINST Abolishing Cardiac Screening of Asymptomatic Kidney Transplant Candidates

James Rice, MD, Scripps Center for Organ Transplantation, Medical Dir., Kidney and Pancreas Transplant, La Jolla, CA, USA

3:30 PM - 4:00 PM

Live Video Rebuttal, Question and Answer

Program Topic: Pancreas & Kidney

Pancreas After Kidney Transplantation: Unlocking The Survival Advantage

3:00 PM - 4:00 PM

Moderators:

Ty Dunn, MD MS, UPenn, Professor of Surgery, Philadelphia, PA, USA

Matthew Cooper, MD, MedStar Georgetown Transplant Institute, Director, Kidney and Pancreas Transplantation, Washington, DC, USA

3:00 PM - 3:10 PM

New PAK Data Opens Up Opportunities

Silke Niederhaus, Maryland

3:10 PM - 3:20 PM

Getting Facile at PAK

Jonathan Fridell, MD, Indiana University School of Medicine, Chief, Abdominal Transplant Surgery, Indianapolis, IN, USA

3:20 PM - 3:30 PM

Navigating All the Options for Uremic Diabetic Patients

Jon Odorico, Wisconsin

3:30 PM - 4:00 PM

Live Video Question and Answer

Program Topic: Translational

Perspectives in Progress in Clinical Transplant Research: What have We Learned, Where are we Going?

3:00 PM - 4:00 PM

Moderators:

Sandy Feng, MD PhD, UCSF, Professor of Surgery, San Francisco, CA, USA

Allan Kirk, MD, PhD, Duke University Medical Center, Chair, Surgery, Durham, NC, USA

3:00 PM - 3:10 PM

Perspective from NIH/CTOT

Nancy Bridges, MD, NIAID, Chief, Transplantation Branch; Senior Scientific Officer, Rockville, MD, USA

3:10 PM - 3:20 PM

Perspective from the Immune Tolerance Network

Gerald Nepom, MD, PhD, Immune Tolerance Network, Director, Seattle, WA, USA

3:20 PM - 3:30 PM

Canadian Transplant Research Perspective
Lori West, MD, D.Phil, University of Alberta, Professor, Edmonton, AB, Canada

3:30 PM - 4:00 PM

Live Video Question and Answer

Program Topic: HLA

New Insights and Controversies in HLA Testing: HLA Epitope Matching a Pro and Con Debate

3:00 PM - 4:00 PM

Moderators:

Howard Gebel, PhD, Emory University Hospital, Professor of Pathology, Atlanta, GA, USA

Katherine Twombly, MD, Medical University of South Carolina, Professor, Charleston, SC, USA

3:00 PM - 3:10 PM

New Insights and Controversies in HLA Testing: Pro and Con Debate -Setting the Stage

Katherine Twombly, MD, Medical University of South Carolina, Professor of Pediatrics, Charleston, SC, USA

3:10 PM - 3:20 PM

Pro: Why Wait: We Should be Doing Epitope Matching Now

Peter Nickerson, MD, University of

Manitoba, Distinguished Professor, Vice Dean (Research), Winnipeg, MB, Canada

3:20 PM - 3:30 PM

Con: Stop in the Name of HLA: We are Not Ready for Epitope Matching

Tom Blydt-Hansen, MDCM, FRCPC, University of British Columbia, Medical Director, Pediatric Transplantation, Vancouver, BC, Canada

3:30 PM - 4:00 PM

Live Video Rebuttal and Question and Answer

Program Topic: COVID-19

Late-Breaking: Factors Contributing to Outcomes of Transplant Patients with COVID-19

3:00 PM - 4:00 PM

Moderators:

Jeffrey Edelman, MD, University of Washington, VAMC Seattle, Associate Professor of Medicine, Seattle, WA, USA

Graeme Forrest, MBBS, Rush University medical Center, Professor of Medicine, Chicago, IL, USA

3:00 PM - 3:10 PM

HLA and COVID -19 Outcomes in Kidney Recipients

Yasir Qazi, MD, KECK MEDICAL CENTER AT USC, Director, Kidney and Pancreas Transplant Fellowship and Outreach, LOS ANGELES, CA, USA

3:10 PM - 3:20 PM

Challenges to Decision Making in the Setting of COVID 19 Infections

Elizabeth Thomas, DO, UT Health San Antonio, Associate Professor of Surgery, San Antonio, TX, USA

3:20 PM - 3:30 PM

Transplant Outcomes of COVID-Positive Candidates

Ankit Bharat, Northwestern, Chicago, IL,

USA

3:30 PM - 4:00 PM

Live Video Question and Answer

Program Topic: Small Bowel

Surgical Management Before and After Intestine Transplant – Timing is Everything

3:00 PM - 4:00 PM

Moderators:

Shunji Nagai, MD, PhD, Henry Ford Hospital, MD, PhD, Detroit, MI, USA

Robert Venick, MD, Mattel Children's Hospital At UCLA, Professor of Pediatrics and Surgery, UCLA, Los Angeles, CA, USA

3:00 PM - 3:10 PM

Management of Entero-cutaneous Fistulae and the Complex Surgical Abdomen - Before or During Transplant?

Richard Mangus, MD, MS, FACS, Indiana University, Professor of Surgery, Indianapolis, IN, USA

3:10 PM - 3:20 PM

Stoma vs no Stoma and Timing of Ostomy take Down

Kishore Iyer, FACS, MBBS, FRCS, Mount Sinai Hospital, Professor of Surgery & Pediatrics, New York, NY, USA

3:20 PM - 3:30 PM

As the Graft Gradually Fails, when Should Enterectomy be Performed?

Tomoaki Kato, MD, MBA, Columbia University - College of Physicians & Surgeons, Professor of Surgery, New York, NY, USA

3:30 PM - 4:00 PM

Live Video Question and Answer

Program Topic: Basic

Checkpoints for B cells and Antibody Production

3:00 PM - 4:00 PM

Moderators:

Anita Chong, PhD, University of Chicago, Professor, Chicago, IL, USA

Jean Kwun, PhD, Duke University, Assistant Professor, Durham, NC, USA

3:00 PM - 3:10 PM

Regulation of Plasma Cell Differentiation

Jeremy Boss, PhD, Emory University, Professor and Chair, Atlanta, GA, USA

3:10 PM - 3:20 PM

Pre-Germinal Center T:B Interactions

Marion Pepper, MD, WA, USA

3:20 PM - 4:00 PM

Live Video Question and Answer

Program Topic: Liver

Rising Stars Surgeon Scientists

3:00 PM - 4:00 PM

Moderators:

JOHN FUNG, MD, PhD, University of Chicago, Professor of Surgery, CHICAGO, IL, USA

Roberto Hernandez-Alejandro, MD, University of Rochester Medical Center, Professor of Surgery, Chief Division of Transplantation, Rochester, NY, USA

3:00 PM - 3:10 PM

Basic/Translational Research in LTx

Burcin Ekser, MD, Indiana University - Transplant Section

3:10 PM - 3:20 PM

Expanding Recipient Pool with Transplant Oncology

Koji Tomiyama, MD, PhD, University of

Rochester Medical Center, Assistant
Professor, Rochester, NY, USA

3:20 PM - 3:30 PM

**Translational Research in Liver
Transplantation**

Varvara Kirchner, MD, University of
Minnesota, Assistant Professor of Surgery,
Division of Transplantation, Minneapolis, MN,
USA

3:30 PM - 4:00 PM

Live Video Question and Answer

Program Topic: Pediatric & Liver

**Mandatory Splitting of an Adult Liver
Offer: Help a Child – Disadvantage an
Adult?**

3:00 PM - 4:00 PM

Moderators:

Walter Andrews, MD, University of Missouri
Kansas City, Professor of Pediatric Surgery,
Kansas City, MO, USA

SRINATH CHINNAKOTLA, MD, University
of Minnesota, Surgical Director, Liver
Transplantation, Minneapolis, MN, USA

3:00 PM - 3:10 PM

**Overview: Review of Split Liver
Transplantation**

Jaimie Nathan, MD, Cincinnati Children's
Hospital Medical Center, Associate Professor
of Surgery and Pediatrics, Cincinnati, OH,
USA

3:10 PM - 3:20 PM

**PRO: Split Liver Transplantation Can Help
Children and Not Disadvantage an Adult
Recipient or Transplant Program.**

Dominique Jan, MD, Montefiore-Albert
Einstein College of Medicine, Professor of
Surgery, New York, NY, USA

3:20 PM - 3:30 PM

**CON: Split Liver Transplantation May Help a
Child but can Disadvantage an Adult
Recipient and Transplant Program.**

James Pomposelli, University of Colorado

3:30 PM - 4:00 PM

Live Video Rebuttal, Question and Answer

Sponsor Networking

4:00 PM - 4:30 PM

Sponsor Connect Session

4:00 PM - 4:30 PM

CMV Infection Scientific Connection

Supported by Takeda

Rapid Fire Oral Abstract Sessions

4:30 PM - 5:30 PM

Program Topic: All Organs

**Disparities in Access and Machine
Learning Outcomes in Solid Organ
Transplantation**

4:30 PM - 5:30 PM

Moderators:

Koren Axelrod, CPHQ, CareDx, Sr
Business Analyst, Brisbane, CA, USA

4:30 PM - 4:35 PM

**A Fresh Look at Urbanicity and Its Impact on
Additions to the Kidney and Liver Transplant
Wait Lists**

W. R. Johnson, S. A. Rega, I. D. Feurer, S.
J. Karp, *General Surgery, Vanderbilt
University Medical Center, Nashville, TN*

4:35 PM - 4:40 PM

Racial and Sexual Disparities in Solid Organ Transplant Outcomes Since Implementation of the Affordable Care Act Insurance Expansion Across Some States

H. Mohamed¹, C. Conceicao², A. Kumar¹, J. Buggs³, ¹Morsani College of Medicine, University of South Florida, Tampa, FL, ²Honors College, University of South Florida, Tampa, FL, ³Transplant Surgery, Tampa General Hospital, Tampa, FL

4:40 PM - 4:45 PM

The Impact of the Covid-19 Pandemic on Measures of Transplant Activity is Higher in Lower-Income Countries: A Multinational Survey Study

S. Sandal¹, B. Boyarsky², P. Chiang², A. Massie², D. Segev², M. Cantarovich¹, ¹McGill University, Montreal, QC, Canada, ²Johns Hopkins University, Baltimore, MD

4:45 PM - 4:50 PM

Black Patients with Cirrhosis Have Longer Length of Stay and Higher Mortality When Hospitalized

A. Thomas¹, D. Simpson², D. P. Ladner², R. Berkowitz², ¹ACS Clinical Scholar, Chicago, IL, ²Transplant Surgery, Northwestern University Feinberg School of Medicine, Chicago, IL

4:50 PM - 4:55 PM

Prediction of Renal Allograft Tolerance by Machine Learning

Q. Fu¹, K. Deng², H. Yang¹, S. Deng¹, J. F. Markmann², ¹Organ Transplantation Center, Sichuan Provincial People's Hospital, University of Electronic Sciences and Technology of China, Chengdu, China, ²Center for Transplantation Sciences, MGH, Boston, MA

4:55 PM - 5:00 PM

The Role of Pre-transplant Rectal Screening for Azole-resistant Candida Species in Liver Transplant Candidates

K. K. Patel¹, M. M. Azar², A. Koff³, K.

Belfield⁴, D. R. Peaper⁵, J. Topal², M. Malinis², ¹Yale School of Medicine, New Haven, CT, ²Section of Infectious Diseases, Yale School of Medicine, New Haven, CT, ³Section of Infectious Diseases, UC Davis, Sacramento, CA, ⁴Department of Pharmacy, Yale New Haven Hospital, New Haven, CT, ⁵Department of Laboratory Medicine, Yale School of Medicine, New Haven, CT

5:00 PM - 5:05 PM

A Machine Learning-Based Predictive Model for Outcome of Covid-19 in Kidney Transplant Recipients

I. Revuelta¹, F. Santos-Arteaga², D. Di Caprio³, E. Montagud-Marrahi¹, F. Cofan¹, J. Torregrosa¹, M. Bodro⁴, A. Moreno⁴, P. Ventura-Aguilar¹, D. Cucchiari¹, N. Esforzado¹, G. Piñeiro¹, J. Ugalde-Altamirano¹, J. Campistol¹, A. Alcaraz⁵, B. Bayès¹, E. Poch¹, F. Oppenheimer¹, F. Diekmann¹, ¹Department of Nephrology and Kidney Transplant, Hospital Clinic, Barcelona, Spain, ²Faculty of Economics and Management, Free University of Bolzano, Bolzano, Italy, ³Department of Economics and Management, University of Trento, Trento, Italy, ⁴Department of Infectious Diseases, Hospital Clinic, Barcelona, Spain, ⁵Department of Urology, Hospital Clinic, Barcelona, Spain

5:05 PM - 5:10 PM

Improving Policy-constrained Kidney Exchange via Pre-screening

D. C. McElfresh¹, M. Curry², S. Booker³, M. Stuart³, D. Stewart³, R. Leishman³, T. Sandholm⁴, J. Dickerson², ¹Applied Mathematics, University of Maryland, College Park, MD, ²University of Maryland, College Park, MD, ³United Network for Organ Sharing, Richmond, VA, ⁴Carnegie Mellon University, Pittsburgh, PA

5:10 PM - 5:30 PM

Live Video Question and Answer

Program Topic: Kidney

Kidney Antibody Mediated Rejection

4:30 PM - 5:30 PM

Moderators:

Sundaram Hariharan, MD, Starzl Transplant Institute, Univ of Pittsburgh Med Center, Professor of Medicine and Surgery, Pittsburgh, PA, USA

4:30 PM - 4:35 PM

DSA Causes Mild Molecular ABMR-like Changes in Many Biopsies Not Diagnosed as Rejection

P. F. Halloran¹, K. S. Madill-Thomsen¹, & the INTERCOMEX Study Group², ¹Alberta Transplant Applied Genomics Centre, Edmonton, AB, Canada, ²., AB, Canada

4:35 PM - 4:40 PM

Beyond Microarrays: Insights from Ncounter Transcript Analysis of Routine Archival Kidney Allograft Biopsies

I. Rosales, K. Tomaszewski, A. Milagros, T. Kawai, R. Smith, R. Colvin, Massachusetts General Hospital, Boston, MA

4:40 PM - 4:45 PM

Transplant Glomerulopathy in the Absence of Donor-specific HLA Antibodies: Risk Factors, Histopathological Features and Graft Outcome

A. Senev, E. Van Loon, M. Emonds, M. Naesens, Microbiology, Immunology and Transplantation, KU Leuven, Leuven, Belgium

4:45 PM - 4:50 PM

High Donor-Derived Cell-Free DNA Levels Predict Development of De Novo HLA Donor-Specific Antibodies After Kidney Transplantation - Data from the ADMIRAL Study

G. Gupta¹, T. Alhamad², V. Bowers³, I. Moinuddin¹, S. Ghosh⁴, J. Zeng⁴, E. Stites⁵,

A. Pai⁶, J. S. Bromberg⁷, S. Anand⁸, ¹Virginia Commonwealth University, Richmond, VA, ²Washington University in St. Louis, St. Louis, MO, ³Tampa General Hospital, Tampa, FL, ⁴CareDx, Brisbane, CA, ⁵University of Colorado, Aurora, CO, ⁶University of Texas McGovern Medical School, Houston, TX, ⁷University of Maryland School of Medicine, Baltimore, MD, ⁸Intermountain Medical Center, Murray, UT

4:50 PM - 4:55 PM

Novel Mixed Lymphocyte Reaction Monitoring System That Predicts Chronic Antibody-Mediated Rejection in Kidney Transplant Recipients

N. Iwahara¹, K. Hotta¹, T. Tanabe¹, D. Iwami², Y. Takada³, H. Higuchi¹, H. Sasaki³, H. Harada³, N. Shinohara¹, ¹Hokkaido University, Sapporo, Japan, ²Jichi Medical University, Shimotsuke, Japan, ³Sapporo City General Hospital, Sapporo, Japan

4:55 PM - 5:00 PM

The Trifecta Study: Calibrating Circulating Donor-Derived Cell-Free DNA at the Time of Indication Biopsies Against the Molecular Phenotype of the Biopsy Reveals a Prominent Association with NK Cell Genes

P. Halloran¹, Z. Demko², A. Prewett², J. Reeve¹, P. Billings², ¹Alberta Transplant Applied Genomics Centre, Edmonton, AB, Canada, ²Natera Inc., San Carlos, CA

5:05 PM - 5:10 PM

CD56^{dim}CD16^{bright} NK Cells from Kidney Transplant Recipients with Antibody-mediated Rejection Display Increased Proliferation, Type-1 Activation and Cytotoxic Profile

E. Bailly¹, C. Macedo¹, K. Louis¹, B. Ramaswami¹, M. Lucas¹, C. Bentelejewski¹, P. Randhawa¹, A. Zeevi¹, C. Leflaucheur², D. Metes¹, ¹Department of Surgery, Thomas E. Starzl Transplantation Institute, Pittsburgh, PA, ²INSERM UMR-S976. Endothelium, Inflammation & Alloreactivity, Université de Paris, Paris, France

5:00 PM - 5:05 PM

Prospective Intensive Monitoring for Anamnestic DSA Responses Allows Near Elimination of Early Clinical AMR

M. McGowan¹, A. Bickenbach¹, A. R. Shields², R. R. Alloway¹, P. Brailey¹, E. Portwood¹, C. Alquist¹, A. Christianson¹, B. Abu Jawdeh¹, M. Cuffy¹, J. Kremer², S. Bumb¹, A. Govil¹, M. Anand¹, T. Kaur¹, E. S. Woodle¹, ¹*U Cincinnati, Cincinnati, OH*, ²*Christ Hospital, Cincinnati, OH*

5:05 PM - 5:30 PM

Live Video Question and Answer

Program Topic: Basic

Biomarkers and Cellular Therapies

4:30 PM - 5:30 PM

Moderators:

Anna Morris, PhD, Emory University, Dr., Atlanta, GA, USA

Caroline Lamarche, MD, MSc, FRCPC, Université de Montréal, Assistant clinical professor, Montreal, QC, Canada

4:30 PM - 4:35 PM

Lymphotoxin Beta Receptor Regulates Treg Migration and Suppression by Modulating Draining Lymphatic Structure

V. Saxena¹, W. Piao¹, L. Li¹, M. W. Shirkey¹, J. Iyyathurai¹, R. Lakhan¹, R. Abdi², J. Bromberg¹, ¹*U Maryland, Baltimore, MD*, ²*Harvard U, Boston, MA*

4:35 PM - 4:40 PM

CD47-Mediated Gli1/Notch1 Signaling is a Key Regulator of Mesenchymal Stem Cell Immunomodulation in Liver Inflammatory Injury

D. Xu, M. Sheng, Y. Lin, Y. Tian, Y. Zhan, C. Li, A. J. Coito, R. W. Busuttil, D. G. Farmer, J. W. Kupiec-Weglinski, B. Ke, *Surgery, Dumont - UCLA Transplant Center, Los Angeles, CA*

4:40 PM - 4:45 PM

Double Negative T Cells Mediate Cd39-Dependent Protection in Hepatic Ischemia and Reperfusion Injury

H. Jin, M. Li, C. Zhang, G. Sun, D. Zhang, *Beijing Key Laboratory of Tolerance Induction and Organ Protection in Transplantation, Beijing Friendship Hospital, Capital Medical University, Beijing, China*

4:45 PM - 4:50 PM

The Gut Microbiota Induces Local and Systemic Immune Modulation

V. Saxena, R. Lakhan, J. Iyyathurai, W. Piao, L. Li, T. Zhang, M. W. Shirkey, B. Ma, E. F. Mongodin, J. Bromberg, *U Maryland, Baltimore, MD*

4:50 PM - 4:55 PM

Single Cell Rna-Sequencing of Urinary Cells and Defining the Immune Landscape of Rejection in Human Kidney Allografts

T. Muthukumar¹, H. Yang¹, A. Belkadi², G. Thareja², C. Li¹, C. Snopkowski¹, K. Chen¹, T. Salinas¹, M. Lubetzky¹, J. Lee¹, D. Dadhania¹, K. Suhre², M. Suthanthiran¹, ¹*Nephrology, NY Presbyterian- Weill Cornell Medical College, New York, NY*, ²*Physiology and Biophysics, Weill Cornell Medicine-Qatar, Doha, Qatar*

4:55 PM - 5:00 PM

Gm2a: A Novel Regulatory Pathway Controlling Alloimmunity

K. M. Baecher¹, P. S. Heeger², P. Cravedi², M. Fribourg², M. L. Ford¹, ¹*Department of Surgery, Emory University, Atlanta, GA*, ²*Mount Sinai School of Medicine, New York, NY*

5:00 PM - 5:05 PM

Nanoparticle Mediated Drug Delivery for Lung Transplantation

P. M. Patel¹, S. Jung², C. L. Miller¹, J. M. O¹, T. Costa¹, A. Dehnadi¹, I. Hanekamp¹, X. F. Li², L. Jiang², H. Ichimura², A. Azimzadeh¹, J. C. Madsen³, R. Abdi², ¹*Surgery, Center for Transplantation Sciences, Massachusetts*

General Hospital/Harvard Medical School, Boston, MA, ²Medicine, Transplant Research Center, Brigham and Women's Hospital, Boston, MA, ³Surgery, Center for Transplantation Sciences, Division of Cardiac Surgery, Massachusetts General Hospital/Harvard Medical School, Boston, MA

5:05 PM - 5:10 PM

Targeting Calcineurin/nfatc2 Signaling to Restore Pancreatic Beta-cell Function in Islet Transplantation

C. Darden¹, J. Mattke¹, S. Vasu¹, K. Kumano¹, Y. Liu¹, B. Naziruddin², M. C. Lawrence¹, ¹Baylor University Medical Ctr, Dallas, TX, ²Baylor University Medical Ctr, Allen, TX

5:10 PM - 5:30 PM

Live Video Question and Answer

Program Topic: Kidney

Kidney Psychosocial

4:30 PM - 5:30 PM

Moderators:

Zeeshan Butt, PhD, Northwestern University Feinberg School of Medicine, Associate Professor of Medical Social Sciences, Surgery, and Psychiatry, Chicago, IL, USA
Wendy Balliet, Ph.D., Medical University of South Carolina, Charleston, SC, USA

4:30 PM - 4:35 PM

The Relationship Between Health Literacy and Adverse Outcomes After Kidney Transplantation

E. Lorenz, T. Petterson, C. Schinstock, W. Sanchez, K. Yost, Mayo Clinic, Rochester, MN

4:35 PM - 4:40 PM

Evolving Trends in Risk Profiles and Outcomes in Older Adults Undergoing Kidney Re-Transplantation

S. Sandal¹, J. Ahn², M. Cantarovich¹, N. Chu², D. Segev², M. McAdams DeMarco², ¹McGill University, Montreal, QC, Canada, ²Johns Hopkins University, Baltimore, MD

4:40 PM - 4:45 PM

Journey to Transplant: A Pilot Feasibility Trial of a Virtual Counseling Intervention for Patients and Their Social Support Networks to Improve Access to Kidney Transplant

A. Hart¹, R. Edpuganti², H. D'Cunha², S. Kurschner², W. T. McKinney¹, A. Matas¹, R. Patzer¹, S. Chu¹, M. Bruin¹, M. Partin¹, ¹Hennepin Healthcare, University of Minnesota, Minneapolis, MN, ²Hennepin Healthcare Research Institute, Minneapolis, MN

4:45 PM - 4:50 PM

Understanding Transplant Decision Making Concerns for African, Caribbean and Black Canadian Patients with End-Stage Kidney Disease

N. Singh¹, A. Wasim¹, W. Hajjar¹, K. Mohan¹, N. El-Dassouki¹, H. Habbal¹, L. Angarso¹, A. Dychiao¹, S. Macanovic¹, A. D. Waterman², I. Mucsi¹, ¹University Health Network, Toronto, ON, Canada, ²David Geffen School of Medicine, UCLA, Los Angeles, CA

4:50 PM - 4:55 PM

Depressive Symptoms and Listing for Kidney Transplantation

X. Chen, N. Chu, P. Sharma Basyal, W. Vihokrat, D. Crews, D. Brennan, S. Andrews, T. Vannorsdall, D. Segev, M. McAdams DeMarco, Johns Hopkins University School of Medicine, Baltimore, MD

4:55 PM - 5:00 PM

Multistep Algorithm to Achieve Weight Loss Goal in Advanced Stage Obesity Kidney Transplant Candidates: A Single Center Preliminary Report

A. Shah, J. Galpern, L. Castaldo, P. Touhy, M. Thomas, A. Aaron, M. Fruscione, L. Dageforde, N. Elias, Transplant Surgery, Massachusetts General Hospital, Boston,

MA

5:00 PM - 5:05 PM

Challenges and Stressors of COVID-19 Kidney and Transplant Patients: A Mixed Methods Study

Y. A. Iraheta¹, A. L. Murillo², E. H. Wood¹, S. M. Advani³, R. Pines⁴, A. D. Waterman¹,
¹UCLA David Geffen School of Medicine, Los Angeles, CA, ²Terasaki Institute, Los Angeles, CA, ³National Human Genome Research Institute (NIH), Bethesda, MD, ⁴Santa Barbara Cottage Hospital, Santa Barbara, CA

5:05 PM - 5:10 PM

Early Transplant Education Increases CKD 3-5 Patients' Knowledge and Informed Decision-Making About Chronic Kidney Disease and Living Donor Kidney Transplant

A. D. Waterman¹, S. H. Kawakita², B. Dub³, Y. A. Iraheta¹, A. L. Murillo², T. Menser⁴, B. Mittman³,
¹UCLA David Geffen School of Medicine, Los Angeles, CA, ²Terasaki Institute, Los Angeles, CA, ³Research and Evaluation, Kaiser Permanente, Pasadena, CA, ⁴The Houston Methodist Research Institute, Houston, CA

5:10 PM - 5:30 PM

Live Video Question and Answer

Program Topic: Liver

Post Liver Transplant Management and Complications

4:30 PM - 5:30 PM

Moderators:

Sander Florman, MD, Mount Sinai Medical Center, Director, Recanati/Miller Transplantation Institute, New York, NY, USA

4:30 PM - 4:35 PM

A Meta-Analysis of Endoscopic Stents in the Treatment of Anastomotic Biliary Strictures After Liver Transplantation

F. Zhou¹, M. Mieth¹, C. Rupp², A. Mehrabi¹, A. Nickkholgh¹,
¹Department of General, Abdominal and Transplant Surgery, University of Heidelberg, Heidelberg, Germany, ²Department of Internal Medicine, University of Heidelberg, Heidelberg, Germany

4:35 PM - 4:40 PM

Effect of Early Biopsy-Proven Rejection on Liver Transplant Outcomes

D. D. Aufhauser, N. Marka, L. Stalter, G. Levenson, D. Al-Adra, D. P. Foley, Surgery, University of Wisconsin, Madison, WI

4:40 PM - 4:45 PM

The Predictive Factors of Survival in Re-listed Patients Who Received Initial Liver Transplants Using Donation After Circulatory Death Grafts

Y. Fouda, A. Moro, J. Mcvey, D. Firl, M. Fujiki, D. Teresa, F. Aucejo, C. Quintini, C. H. Kwon, K. Hashimoto, B. Eghtesad, K. Narayanan Menon, C. Miller, K. Sasaki, Cleveland Clinic, Cleveland, OH

4:45 PM - 4:50 PM

Molecular Assessment of Fibrosis and Steatohepatitis in the INTERLIVER Study

K. S. Madill-Thomsen¹, P. F. Halloran¹, & the INTERLIVER Study Group²,
¹Alberta Transplant Applied Genomics Centre, Edmonton, AB, Canada, ², AB, Canada

4:50 PM - 4:55 PM

Predictive Index for Liver Retransplantation

C. Christmann, G. Handing, M. McDonald, A. Anand, S. Keeling, N. T. Galván, R. Cotton, C. O'Mahony, J. Goss, A. Rana, Baylor College of Medicine, Houston, TX

4:55 PM - 5:00 PM

Is There a Role for Donor-Specific Antibody Testing in Simultaneous Liver-Kidney Transplantation? A Single Center Analysis of Outcomes

A. Das, A. Barbetta, D. Remulla, C. Goldbeck, T. Maw, J. Kim, University of

Southern California, Los Angeles, CA

5:05 PM - 5:10 PM

Nutritional Inadequacy is an Independent Predictor of Sepsis Post-liver Transplantation

J. V. Nolte Fong, M. Elshawwaf, L. W. Moore, E. A. Graviss, D. T. Nguyen, R. Angell, A. Uosef, T. Hirase, C. M. Mobley, R. Ghobrial, *Houston Methodist Hospital, Houston, TX*

5:00 PM - 5:05 PM

High and Low Frequency Domino Liver Transplantation Centers Demonstrate Similar Outcomes

J. Panichella, H. Resweber, H. Curtis, K. Nguyen, A. Di Carlo, S. Karhadkar, *Temple University School of Medicine, Philadelphia, PA*

5:05 PM - 5:30 PM

Live Video Question and Answer

Year in Review

4:30 PM - 5:30 PM

Program Topic: ID

Most Impactful Papers in Transplant ID

4:30 PM - 5:30 PM

Moderators:

Lara Danziger-Isakov, MD, MPH, Cincinnati Children's Hosp Med Cntr

Aruna Subramanian, MD, Stanford University

4:30 PM - 4:40 PM

Impactful Fungal Papers

John Baddley, University of Maryland

4:40 PM - 4:50 PM

Impactful Bacterial Papers

Stephanie Pouch, MD, Emory University

4:50 PM - 5:00 PM

Impactful Viral Papers

Oriol Manuel, MD, Infectious Diseases Service

5:00 PM - 5:30 PM

Live Video Question and Answer

Break

5:30 PM - 6:00 PM

Rapid Fire Oral Abstract Sessions

6:00 PM - 7:00 PM

Program Topic: Basic

Xenotransplantation and Preclinical Studies

6:00 PM - 7:00 PM

Moderators:

Ping Li, PhD, Indiana University School of Medicine, Associate Research Professor, Indianapolis, IN, USA

Blayne Amir Sayed, MD, PhD, University of Toronto, Assistant Professor, Toronto, ON, Canada

6:00 PM - 6:05 PM

Natural Sensitization by Pregnancy, Testing Desensitization Strategies in Female NHPs Across Repeat Mismatches

M. Manook, J. Yoon, Z. Fitch, R. Schmitz, A. M. Jackson, J. Kwun, S. Knechtle, *Duke Transplant Center, Duke University Medical Center, Durham, NC*

6:05 PM - 6:10 PM

AT-1501, a Novel and Clinically Applicable CD40L Specific Monoclonal Antibody, Promotes Islet Allograft Survival in Nonhuman Primates

D. Berman¹, N. Kenyon¹, M. Willman¹, A. Gill², S. Perrin³, C. Ricordi¹, *¹University of Miami, Miami, FL, ²ALS Therapy Development Institute, Cambridge, MA,*

³Novus Therapeutics, Irvine, CA

6:10 PM - 6:15 PM

Interruption of Notch Signaling via Blockade of Delta-Like Ligand 4 Prevents Co-Stimulation Blockade Resistant Allograft Rejection

A. J. Matar, B. P. Lovasik, Y. Dong, D. A. Faber, J. Habib, C. Breeden, J. Regenold, A. Ghosh, A. Stephenson, W. H. Kitchens, A. B. Adams, Emory University Department of Surgery, Atlanta, GA

6:15 PM - 6:20 PM

Belatacept and Carfilzomib-based Treatment of Active Antibody-mediated Rejection in a Sensitized Nonhuman Primate Model

J. Kwun¹, R. Schmitz¹, M. Manook¹, Z. Fitch¹, D. Olaso¹, A. Choi¹, J. Yoon¹, Y. Bae¹, J. Lambris², S. Knechtle¹, ¹Surgery, Duke University, Durham, NC, ²Pathology & Laboratory Medicine, University of Pennsylvania, Philadelphia, PA

6:20 PM - 6:25 PM

Alpha 1-antitrypsin Reduces Cytokine Elaboration in a Xenogeneic Lung Transplantation Model

L. Burdorf¹, C. Laird², T. Zhang², M. R. Connolly¹, Z. Habibabady¹, S. Pratts¹, S. Miura¹, F. Pollok¹, W. Eyestone³, C. J. Phelps³, D. L. Ayares³, A. M. Azimzadeh¹, R. N. Pierson III¹, ¹Surgery, Center for Transplantation Sciences, Massachusetts General Hospital, Boston, MA, ²Surgery, University of Maryland, Baltimore, MD, ³Revivacor, Blacksburg, VA

6:25 PM - 6:30 PM

Pig Orthotopic Heart Transplantation (ohtx) in Baboons: Is an Acute Pulmonary Inflammatory Response the Key Problem?

A. Jagdale¹, D. Cleveland², M. Bikhet¹, J. Foote³, G. Walcott⁴, H. Iwase¹, T. Yamamoto¹, H. Hara¹, C. Hansens-Estruch¹, D. Ayares⁵, S. Litovsky⁶, L. Rhodes², W. Carlo⁷, J. Crawford², R. Dabal², S. Borasino², D. Cooper¹, ¹Surgery, University of Alabama

at Birmingham, Birmingham, AL, ²Cardiothoracic Surgery, Children's of Alabama, Birmingham, AL, ³Medicine and Cardiovascular Diseases, University of Alabama at Birmingham, Birmingham, AL, ⁴Medicine, University of Alabama at Birmingham, Birmingham, AL, ⁵Surgery, Revivacor, Blacksburg, VA, ⁶Pathology, University of Alabama at Birmingham, Birmingham, AL, ⁷Division of Pediatric Cardiology, Department of Pediatrics, University of Alabama at Birmingham, Children's of Alabama, Birmingham, AL

6:30 PM - 6:35 PM

Successful Long-Term TMA- and Rejection-Free Survival of a Kidney Xenograft With Triple Xenoantigen Knockout Plus Insertion of Multiple Human Transgenes

T. Hirose¹, D. Ma¹, G. Lassiter¹, H. Sasaki¹, I. Rosales², T. Coe¹, C. Rickert¹, R. Matheson¹, R. Colvin², W. Qin³, Y. Kan³, J. Layer³, K. Stiede³, K. Hall³, M. Youd³, W. Westlin³, M. Curtis³, J. F. Markmann¹, T. Kawai¹, ¹Center for Transplantation Sciences, Massachusetts General Hospital, Boston, MA, ²Pathology, Massachusetts General Hospital, Boston, MA, ³eGenesis Inc, Cambridge, MA

6:35 PM - 6:40 PM

Impact of Allosensitization on Xenotransplantation

D. Olaso¹, M. Manook¹, J. Yoon¹, Y. Bae¹, A. Barbas¹, A. Adams², S. Knechtle¹, J. Kwun¹, ¹Department of Surgery, Duke Transplantation Center, Durham, NC, ²Department of Surgery, University of Minnesota, Minneapolis, MN

6:40 PM - 7:00 PM

Live Video Question and Answer

Program Topic: Kidney

Live Kidney Donation

6:00 PM - 7:00 PM

Moderators:

Deborah Adey, MD, UCSF, Professor of Medicine, San Francisco, CA, USA

Gabriel Danovitch, MD, University of California Los Angeles, X, Los Angeles, CA, USA

6:00 PM - 6:05 PM

Long Term Outcomes of Kidney Donors with Fibromuscular Dysplasia

H. N. Adroque¹, A. Evans¹, S. A. Hebert¹, H. E. Adroque¹, D. T. Nguyen², D. Murad¹, E. A. Graviss², ¹Medicine, Houston Methodist Hospital, Houston, TX, ²Pathology and Genomic Medicine, Houston Methodist Hospital, Houston, TX

6:05 PM - 6:10 PM

Pre- Kidney Donation Pregnancy Complications and Long-Term Outcomes

E. Helgeson¹, E. F. Palzer¹, D. Vock¹, A. Matas², ¹University of Minnesota School of Public Health, Minneapolis, MN, ²University of Minnesota Medical School, Minneapolis, MN

6:10 PM - 6:15 PM

The Risk of Post-donation Kidney Function Impairment for Prospective Living Kidney Donors with Persistent Isolated Microscopic Hematuria

J. v. Weijden¹, M. van Londen¹, I. M. Nolte², M. H. De Borst¹, S. P. Berger¹, ¹Nephrology, University Medical Center Groningen, Groningen, Netherlands, ²Epidemiology, University Medical Center Groningen, Groningen, Netherlands

6:15 PM - 6:20 PM

Living Donor Kidney Transplantation Racial Disparities Persist Independent of Social Vulnerability

A. C. Killian¹, M. C. McLeod¹, B. Shelton¹, R. D. Reed¹, P. MacLennan¹, H. Qu¹, B. J. Orandi¹, V. Kumar¹, D. Sawinski², R. M. Cannon¹, D. J. Anderson¹, M. J. Hanaway¹, J. E. Locke¹, ¹University of Alabama at

Birmingham Hospital, Birmingham, AL, ²Hospital of the University of Pennsylvania, Philadelphia, PA

6:20 PM - 6:25 PM

Implications of Trends in Child to Parent Kidney Donation in Whites and African Americans

N. Jean, S. Krishnamoorthy, Y. Kyeso, P. Cunningham, N. Murthy, R. McGill, M. Josephson, Nephrology, University of Chicago, Chicago, IL

6:25 PM - 6:30 PM

Associations of Lack of Insurance and Other Sociodemographic Traits with Deficiencies in Follow-Up After Living Kidney Donation

K. Lentine¹, R. Hays², N. Lam³, A. Tietjen⁴, A. Muir⁵, H. Xiao¹, A. Garg⁶, C. Thomas⁷, G. McNatt⁷, R. Howey⁸, U. Lebron-Banks⁹, M. Cooper¹⁰, M. Conboy¹¹, B. Kasiske¹¹, ¹Saint Louis Univ, Saint Louis, MO, ²Univ of Wisconsin, Madison, WI, ³Univ of Calgary, Calgary, AB, Canada, ⁴St. Barnabas, Livingston, NJ, ⁵Univ of California, San Francisco, San Francisco, CA, ⁶Western Univ, London, ON, Canada, ⁷Univ of Iowa, Iowa City, IA, ⁸Toyon Associates, Concord, CA, ⁹New York Presb Hosp, New York, NY, ¹⁰Medstar-Georgetown, Washington, DC, ¹¹SRTR, Minneapolis, MN

6:30 PM - 6:35 PM

CT-measured Cortical Volume Ratio is an Alternative to Nuclear Medicine Split Scan Ratio Among Living Kidney Donors

J. Montgomery, C. Brown, A. Zondlak, K. Walsh, J. Kozlowski, A. Pinsky, E. Herriman, J. Sussman, Y. Lu, E. Stein, P. Shankar, R. Sung, K. Woodside, Michigan Medicine, Ann Arbor, MI

6:35 PM - 6:40 PM

Launching a National Living Donor Registry

J. E. Milton¹, M. Cooper², B. Hippen³, ¹Transplant Center, University of Texas Health San Antonio, San Antonio, TX, ²MedStar Georgetown Transplant Institute,

Washington, Colombia, ³Metrolina Nephrology Associates, PA, Charlotte, NC

of Wisconsin, Madison, WI, ³Natera Inc., San Carlos, CA, ⁴One Lambda Inc., West Hills, CA, ⁵, ., AB, Canada

6:40 PM - 7:00 PM

Live Video Question and Answer

Program Topic: All Organs

Late Breaking: All Organs

6:00 PM - 7:00 PM

Moderators:

Daniela Ladner, MD, MPH, Northwestern Memorial Hospital, X, Chicago, IL, USA

6:00 PM - 6:05 PM

Primary Outcome of OPTIMAL: A Prospective Multicenter Trial of Immunosuppression Withdrawal (ISW) in Stable Adult Liver Transplant (LT) Recipients

S. Chandran¹, K. Mason², L. F. Sun¹, N. Tanimine³, M. DesMarais¹, B. Burrell¹, J. F. Markmann³, ¹ITN, San Francisco, CA, ²Rho, Inc., Durham, NC, ³MGH, Boston, MA

6:05 PM - 6:10 PM

Survival After Heart Transplant vs. Simultaneous Heart Kidney Transplant by Degrees of Renal Dysfunction at Engraftment in the United States: A Multivariable Analysis

S. M. Riad¹, M. Aljuhani¹, S. Jackson², T. Alexy¹, H. Wadie³, C. Martin¹, R. Kandaswamy⁴, ¹Medicine, University of Minnesota, Eden Prairie, MN, ²Complex Care Analytics, Fairview Health Services, Minneapolis, MN, ³Transplant, Mayo Clinic, Jacksonville, FL, ⁴Surgery, University of Minnesota, Minneapolis, MN

6:10 PM - 6:15 PM

Relationship Between %dd-cfDNA, MMDx Molecular Diagnoses, and Donor-specific Antibody in the Trifecta Study

P. F. Halloran¹, L. G. Hildago², J. Reeve¹, Z. Demko³, A. Prewett³, P. Billings³, J. Truong⁴, P. Vander Horn⁴, &. Trifecta Study Group⁵, ¹Alberta Transplant Applied Genomics Centre, Edmonton, AB, Canada, ²University

6:15 PM - 6:20 PM

Disparities in Living Donor Follow-up During the COVID-19 Emergency Suspension of OPTN Follow-up Reporting Requirements
S. E. Booker, A. Henderson, L. A. Cartwright, S. Taranto, D. Klassen, J. L. Wainright, UNOS, Richmond, VA

6:20 PM - 6:25 PM

Kidney Programs Can Filter Off a Majority of Their Unwanted Organ Offers without Harming Transplant Volumes
A. Toll, H. McGehee, R. McTier, D. Stewart, Research, United Network for Organ Sharing, Richmond, VA

6:25 PM - 6:30 PM

Athena - Effect of Primary Immunosuppression on Development of De Novo Donor Specific Antibodies within First Year After Kidney Transplantation
W. Arns¹, A. Philippe¹, V. Ditt¹, I. A. Hauser¹, F. Thaiss¹, C. Sommerer¹, B. Suwelack¹, A. Finkel², C. Schiedel², D. Dragan¹, B. Nashan¹, ¹ATHENA, Study Group, Germany, ²Novartis Pharma GmbH, Nuremberg, Germany

6:30 PM - 6:35 PM

Predicted Heart Mass Difference as a Risk Factor for Severe Primary Graft Dysfunction in the Contemporary Era of Heart Transplantation: A Report from the International Consortium on Primary Graft Dysfunction

F. Foroutan¹, L. K. Truby², Y. Moayed¹, J. Han³, J. Guzman⁴, M. Farrero⁴, E. Baughan⁵, M. Farr⁵, H. Zafar⁶, J. Felius⁶, J. van Zyl⁷, D. Law⁸, S. Chih⁸, P. Angleitner⁹, M. Sabatino¹⁰, A. DeVore², R. J. Miller¹¹, L. Potena¹⁰, A. Zuckermann⁹, K. K. Khush³, S. A. Hall⁶, H. J. Ross¹, ¹Ted Rogers Centre for Heart Research, Toronto, ON, Canada, ²Duke University School of Medicine, Durham, NC,

³Stanford University, Stanford, CA, ⁴Clinic Barcelona Hospital Universitari, Barcelona, Spain, ⁵Columbia University Medical Center, New York, NY, ⁶Baylor University Medical Center, Dallas, TX, ⁷Dallas University Medical Center, Dallas, TX, ⁸University of Ottawa Heart Institute, Ottawa, ON, Canada, ⁹Medical University of Vienna, Vienna, Austria, ¹⁰Bologna University Hospital, Bologna, Italy, ¹¹University of Calgary, Calgary, AB, Canada

6:35 PM - 6:40 PM

Liver Transplantation for COVID-19-associated Cholangiopathy

J. Blondeel¹, P. Meersseman², N. Gilbo¹, I. Jochmans¹, M. Sainz-Barriga¹, J. Pirenne¹, D. Monbaliu¹, ¹Abdominal Transplantation Surgery, University Hospitals Leuven, Leuven, Belgium, ²Medical Intensive Care Unit, University Hospitals Leuven, Leuven, Belgium

6:40 PM - 7:00 PM

Live Video Question and Answer

Program Topic: Public Policy & Ethics

A Penny for Your Thoughts: the Economics and Psychosocial Aspects of Transplant

6:00 PM - 7:00 PM

Moderators:

Gregory McKenna, MD, Baylor Simmons Transplant Inst, Dr., Dallas, TX, USA
Daryle Blackstock, PA-C, MPH, CCTC, New York Presbyterian Hospital, Director of Transplant Operations, New York, NY, USA

6:00 PM - 6:05 PM

Economic Impact of a Pharmacist-Led Medication Safety Intervention: Report from the Transafe Rx Randomized Controlled Trial
D. Taber, J. Fleming, Z. Su, P. Mauldin, M. Gebregziabher, Med Univ of South Carolina, Charleston, SC

6:05 PM - 6:10 PM

A Cost Benefit Analysis of Different Minimal Access Donor Nephrectomy Techniques Performed at a Busy Transplant Centre
H. Sharma¹, A. Odougoudar², A. Sharma², D. Ridgway², A. Hammad², S. Mehra², ¹Transplant and Vascular Access Surgery, Royal Liverpool University Hospital, Liverpool, United Kingdom, ²Transplant and Vascular Access Surgery, Royal Liverpool Hospital, Liverpool, United Kingdom

6:10 PM - 6:15 PM

The Use of Hcv Nat+ Organs in Hcv Negative Recipients with On-site Specialty Pharmacy Services: A Win for the Patient, the Transplant Center, and Society?
M. Person, N. Patel, W. Simerlein, H. Meadows, D. DuBay, D. Taber, Medical University of South Carolina, Charleston, SC

6:15 PM - 6:20 PM

Addressing a Need in Transplant Clinical Care: Creation of the Organ Transplant Caregiver Toolkit
H. Bruschwein¹, G. Chen², A. Ortega³, W. Balliet⁴, T. Coco⁵, C. Thomas⁶, B. Hansen⁵, D. Richardson⁷, K. Canavan⁸, C. Burch⁹, A. Yaldo¹⁰, M. Jesse¹¹, ¹University of Virginia School of Medicine, Charlottesville, VA, ²Memorial Hermann Transplant Center, Houston, TX, ³Memorial Transplant Institute, Miami, FL, ⁴Medical University of South Carolina, Charleston, SC, ⁵Mayo Clinic, Pheonix, AZ, ⁶Banner Transplant Institute, Pheonix, AZ, ⁷Caregiver, Minburn, IA, ⁸National Kidney Foundation, New York, NY, ⁹Stanford Children's Hospital, Palo Alto, CA, ¹⁰University of Michigan, Ann Arbor, MI, ¹¹Henry Ford Transplant Institute, Detroit, MI

6:20 PM - 6:25 PM

Mhealth Family Self-Management Intervention for Families of Transplanted Children
S. M. Lerret¹, R. White-Traut², B. Medoff-Cooper³, S. I. Ahamed⁴, P. Simpson⁵, R. Schiffman⁶, ¹Department of Pediatrics, Medical College of Wisconsin, Milwaukee,

WI, ²Children's Wisconsin, Milwaukee, WI,
³University of Pennsylvania, Philadelphia, PA, ⁴Department of Computer Science, Marquette University, Milwaukee, WI,
⁵Department of Biostatistics, Medical College of Wisconsin, Milwaukee, WI, ⁶University of Wisconsin Milwaukee, Milwaukee, WI

6:25 PM - 6:30 PM

Psychosocial Determinants of Regimen Adherence Among Kidney Transplant Recipients

A. Balakrishnan, S. Bailey, D. Mroczek, M. Serper, D. P. Ladner, M. S. Wolf, Northwestern University, Chicago, IL

6:30 PM - 6:35 PM

Frequency and Types of Pharmacist Interventions and Risk Assessments Occurring During the 12-Month Transafe Rx Randomized Controlled Trial

H. M. Gonzales, J. N. Fleming, D. J. Taber, MUSC, Charleston, SC

6:35 PM - 6:40 PM

Noninferiority Outcomes Among Undocumented Immigrant Kidney Transplant Recipients in California

H. Ichii¹, N. Eguchi¹, E. Tantisattamo², U. Reddy², A. Ferrey², D. Dafoe¹, ¹Surgery, University of California Irvine, Orange, CA, ²Medicine, University of California Irvine, Orange, CA

6:40 PM - 7:00 PM

Live Video Question and Answer

Program Topic: ID

Hepatitis C

6:00 PM - 7:00 PM

Moderators:

Karen Doucette, MD, University of Alberta, Professor of Medicine, Edmonton, AB, Canada

Judith Anesi, MD, MSCE, University of

Pennsylvania, Assistant Professor of Medicine and Epidemiology, Philadelphia, PA, USA

6:00 PM - 6:05 PM

Association of Donor Hepatitis C Virus Infection Status and Risk of Bk Polyomavirus Viremia After Kidney Transplantation

V. S. Potluri¹, D. E. Schaubel¹, M. E. Sise², B. P. Concepcion³, R. C. Forbes¹, E. A. Blumberg¹, D. Goldberg⁴, P. P. Reese¹, R. Bloom¹, D. Shaffer³, R. Chung², D. Sawinski¹, I. Strohben², N. Elias², A. Azhar⁵, M. Shah¹, J. Eason⁵, L. A. Binari³, M. Talwar⁵, V. Balaraman⁵, A. Bhalla⁵, B. Besharatian¹, M. Z. Molnar⁵, ¹University of Pennsylvania, Philadelphia, PA, ²Massachusetts General Hospital, Boston, MA, ³Vanderbilt University Medical Center, Nashville, TN, ⁴University of Miami Miller School of Medicine, Miami, FL, ⁵Methodist University Hospital, Memphis, TN

6:05 PM - 6:10 PM

Outcomes of Short-Duration Anti-Viral Prophylaxis for Hepatitis C Positive Donor Kidney Transplants

G. Gupta, I. Yakubu, P. Kimball, L. Kang, K. Mitchell, M. Shinbashi, D. Kumar, I. Moinuddin, L. Kamal, A. King, C. Bhati, M. Levy, A. Cotterell, A. Sharma, R. Sterling, Virginia Commonwealth University Health System, Richmond, VA

6:10 PM - 6:15 PM

Cost-Effectiveness Analysis of Short-Duration Anti-Viral Prophylaxis for Hepatitis C Positive Donor Kidney Transplants

I. Yakubu, Y. Zhang, S. Ijioma, N. V. Carroll, J. Patterson, R. Sterling, G. Gupta, Virginia Commonwealth University Health System, Richmond, VA

6:15 PM - 6:20 PM

Are Tacrolimus Concentrations Reduced with Direct-acting Antiviral Administration in Transplant Recipients?

K. Huang, K. Farrow, M. Christian,

Pharmacy, Penn State Health Hershey
Medical Center, Hershey, PA

6:20 PM - 6:25 PM

Outcomes of Kidney Transplantation from Hepatitis C Virus (HCV) Infected Donors Stratified by Recipient HCV Serostatus: A Mate Kidney Analysis

K. K. Sureshkumar¹, B. Chopra¹, R. L. McGill², ¹Nephrology and Hypertension, Allegheny General Hospital, Pittsburgh, PA, ²Nephrology, University of Chicago, Chicago, IL

6:25 PM - 6:30 PM

Outcomes of Hepatitis C Nucleic Acid Testing Positive Donors in Aviremic Recipients With Delayed Direct-Acting Antiviral Initiation

M. Hudson, A. Webb, A. Logan, A. Silverman, A. Brueckner, Pharmacy, Tampa General Hospital, Tampa, FL

6:30 PM - 6:35 PM

Transplanting Hepatitis C Infected Organs Into Uninfected Recipients: A Pharmacy Perspective

M. L. Holt, A. James, K. Gutierrez, T. Sparkman, J. Banbury, D. Jones, University of Alabama at Birmingham Hospital, Birmingham, AL

6:35 PM - 6:40 PM

Use of Donor Blood Expedites HCV Genotyping and Allows Earlier DAA Initiation for Recipients of HCV+ Kidneys

B. Lonze, N. Ali, R. Montgomery, Z. Stewart Lewis, Transplant Institute, NYU Langone Health, New York, NY

6:40 PM - 7:00 PM

Live Video Question and Answer

Program Topic: Basic

Ischemia Reperfusion & Organ Rehabilitation

6:00 PM - 7:00 PM

Moderators:

Rebecca Sosa, Ph.D., UCLA, Postdoctoral Fellow, West Hills, CA, USA

Andrew Barbas, MD, Duke University, Assistant Professor of Surgery, Division of Abdominal Transplant, Durham, NC, USA

6:00 PM - 6:05 PM

Beneficial Effects of Argon Inhalation on Reducing Lung Ischemia-reperfusion Injury in Miniature Swine

H. Sahara, Div. Organ Replacement and Xeno Tx, Center for Advanced Biomedical Science and Swine Research, Kagoshima University, Kagoshima, Japan

6:05 PM - 6:10 PM

Eosinophils Attenuate Hepatic Ischemia Reperfusion Injury in Mice Through St2-Dependent IL-13 Production

Y. Yang, Y. Wang, M. Wang, J. Jeong, L. Xu, Y. Wen, C. Emontzpohl, W. Dar, C. Ju, Department of Anesthesiology, McGovern Medical School University of Texas Health Science Center at Houston, Houston, TX

6:10 PM - 6:15 PM

Neutrophil Extracellular Trap-induced Thrombotic Microangiopathy in Steatotic Mouse Recipients Impacts Liver Transplant Outcomes

H. Hirao, H. Kojima, K. Kadono, K. J. Dery, D. G. Farmer, F. M. Kaldas, J. W. Kupiec-Weglinski, UCLA Medical Center, Los Angeles, CA

6:15 PM - 6:20 PM

Single Cell Analysis of Living Donor Kidneys Reveals Sex-based Diversity in Proximal Tubulargene Expression

C. M. McEvoy¹, J. M. Szusz², S. Clotet-Freixas¹, J. An², S. MacParland², G. Bader³, S. Q. Crome², A. Konvalinka¹, ¹Ajmera Transplant Centre, Toronto General Hospital Research Institute, Toronto, ON, Canada, ²Immunology and Molecular Genetics, University of Toronto, Toronto General

Hospital Research Institute, Toronto, ON, Canada, ³Donnolly Centre for Cellular and Biomolecular Research, University of Toronto, Toronto, ON, Canada

University Medical Center, Nashville, TN, ²Vanderbilt University Medical Center, Nashville, TN, ³Columbia University Medical Center, New York, NY

6:20 PM - 6:25 PM

Hepatocyte SIRT1 Suppresses Atf4-mediated Apoptosis Triggered by Cold Stress in Mouse and Human Liver Transplantation

K. Kadono¹, H. Hirao¹, H. Kojima¹, K. J. Dery¹, J. Aziz¹, X. Li², J. W. Kupiec-Weglinski¹, ¹Dumont-UCLA Transplant Center, Los Angeles, CA, ²NIEHS, Durham, NC

6:25 PM - 6:30 PM

Estrogen Receptor Beta Deletion is Protective in Renal Ischemia Reperfusion Injury in a Renal Specific Manner

C. S. O'Brien, P. Hernandez, Z. Wang, G. Ge, W. Hancock, M. H. Levine, *Surgery, University of Pennsylvania, Philadelphia, PA*

6:30 PM - 6:35 PM

Cellular Landscape of Steatotic Livers Revealed by Single-nuclei Rna Sequencing

C. Kucsu¹, C. Kucsu¹, A. Shetty², E. Bardhi³, T. Rousselle⁴, J. Eason¹, M. Sraj⁵, D. Maluf⁶, V. Mas⁴, ¹Surgery, James D Eason Transplant Institute, Memphis, TN, ²University of Maryland, Institute for Genome Sciences, Baltimore, MD, ³Program in Transplantation - University of Maryland, Baltimore, MD, ⁴Surgery, Division of Surgical Science, Baltimore, MD, ⁵Surgery, University of Maryland, Baltimore, MD, ⁶Surgery, Program in Transplantation - University of Maryland, Baltimore, MD

6:35 PM - 6:40 PM

Cross-Circulation for Extracorporeal Liver Support in a Swine Model

W. K. Wu¹, A. Tumen¹, J. W. Stokes², R. Ukita², A. E. Hozain³, C. R. Flynn², M. J. Lee³, J. R. Talackine², N. L. Cardwell², J. A. Reimer³, M. Pinezich³, C. Benson², G. Vunjak-Novakovic³, S. P. Alexopoulos², M. Bacchetta², ¹co-first authors, Vanderbilt

6:40 PM - 7:00 PM

Live Video Question and Answer

Program Topic: All Organs

Surgical Issues and Deceased Donor Management

6:00 PM - 7:00 PM

Moderators:

Rakesh Sindhi, MD, UPMC Children's Hospital of Pittsburgh, Professor of Surgery, Pittsburgh, PA, USA

Kiran Dhanireddy, MD, Tampa General Hospital, Executive Director, Transplant Institute; Surgical Director, Liver Transplant, Tampa, FL, USA

6:00 PM - 6:05 PM

Cleveland Clinic Experience with Cadaveric Uterus Transplant

L. Del Prete¹, C. Quintini¹, K. Hashimoto¹, B. Eghtesad¹, G. D'Amico¹, C. Kwon¹, D. Priebe¹, E. Richards¹, S. Ricci¹, U. Perni¹, C. Ferrando¹, A. Chiesa-Vottero¹, S. Mawhorter¹, N. Yeane¹, R. Farrell¹, R. Flyckt², C. Miller¹, T. Falcone¹, A. Tzakis¹, ¹Cleveland Clinic, Cleveland, OH, ²University Hospital, Cleveland, OH

6:05 PM - 6:10 PM

Pilot Study for the Use of Shortened Preemptive Therapy with Glecaprevir/pibrentasvir (g/p) and Ezetimibe in Hepatitis C Seronegative Solid Organ Transplant Recipients (Kidney and Heart) of Hepatitis C Viremic Donors

B. Agel¹, H. Khamash², A. Moss³, D. E. Steidley⁴, R. C. Dickson¹, ¹Gastroenterology and Hepatology, Mayo Clinic, Phoenix, AZ, ²Nephrology and Hypertension, Mayo Clinic, Phoenix, AZ, ³Transplant Surgery, Mayo

Clinic, Phoenix, AZ, ⁴Cardiology, Mayo Clinic, Phoenix, AZ

6:10 PM - 6:15 PM

Donor Service Area Characteristics Impacting Liver and Kidney Deceased Donor Population

C. O. Warren, A. Zarrinpar, Surgery, - University of Florida, Gainesville, FL

6:15 PM - 6:20 PM

Drones and Airplanes: Modeling the Potentially Deleterious Effects of Transportation on Shipped Organs

Y. S. Lee, J. S. Bromberg, J. R. Scalea, Surgery, University of Maryland, Baltimore, MD

6:20 PM - 6:25 PM

Primary Uretero-ureterostomy in Renal Transplantation

H. Shokouh-Amiri¹, M. S. Naseer¹, D. Aultman¹, R. McMillan¹, S. Tandukar², F. T. Siskron³, N. Singh², G. Zibari¹, ¹Advanced Surgery, John C. McDonald Regional Transplant Center - Willis Knighton Health System, Shreveport, LA, ²Transplant Nephrology, John C. McDonald Regional Transplant Center - Willis Knighton Health System, Shreveport, LA, ³Urology, John C. McDonald Regional Transplant Center - Willis Knighton Health System, Shreveport, LA

6:25 PM - 6:30 PM

Robotic Donor Nephrectomy: Advantages Offered by a Minimally Invasive Approach to Kidney Transplantation

A. Popovic¹, R. Shahbazov¹, A. Hoste¹, S. Loerzel¹, B. Gallay², J. Leggat², O. Pankewycz¹, R. Saidi¹, R. H. Dvorai³, M. J. Hanlon¹, S. Narsipur², M. R. Laftavi¹, ¹Surgery, SUNY Upstate Medical University, Syracuse, NY, ²Medicine, SUNY Upstate Medical University, Syracuse, NY, ³Pathology, SUNY Upstate Medical University, Syracuse, NY

6:30 PM - 6:35 PM

Does the NSQIP-Transplant Experience Demonstrate That Obese Kidney Transplant Recipients are Still at Increased Risk for Surgical Site Infections?

H. C. Yaffe¹, A. K. Belli¹, J. R. Parekh², D. L. Sudan³, N. Elias⁴, K. D. Conzen⁵, D. P. Foley⁶, R. Hirose⁷, S. M. Greenstein¹, ¹Surgery, Montefiore-Einstein Center for Transplantation, Montefiore Medical Center, Albert Einstein College of Medicine, Bronx, NY, ²Surgery, University of California San Diego, San Diego, CA, ³Surgery, Division of Abdominal Transplant Surgery, Duke University Medical Center, Durham, NC, ⁴Surgery, Transplant Surgery Division, Massachusetts General Hospital, Boston, MA, ⁵Surgery, Division of Transplant Surgery, University of Colorado Hospital, Aurora, CO, ⁶Surgery, University of Wisconsin School of Medicine and Public Health, Madison, WI, ⁷Surgery, University of California San Francisco, San Francisco, CA

6:35 PM - 6:40 PM

Successful Long Term Survival of Vascularized Composite Allografts After Extended Preservation at Subzero Temperatures Using Bioinspired Next Generation Cryoprotectants

M. Kline¹, S. Fidler², A. Callegari¹, A. Matoso², B. Oh², K. Lombardo², J. Etra², D. Vasilic³, A. Childs¹, R. Redett², G. Brandacher², X. Wei¹, ¹X-Therma Inc., Richmond, CA, ²Johns Hopkins University School of Medicine, Baltimore, MD, ³Erasmus MC, Rotterdam, Netherlands

6:40 PM - 7:00 PM

Live Video Question and Answer

Break

7:00 PM - 7:30 PM

Sponsor Networking

7:30 PM - 8:30 PM

Poster Video Chat Sessions

7:30 PM - 8:30 PM

Program Topic: Liver

Liver 2

7:30 PM - 8:30 PM

Moderators:

Srinath Chinnakotla, MD, University of Minnesota Medical School, Surgical Director, liver transplantation, Edina, MN, USA
Christine Hwang, MD, University of Texas Southwestern Medical Center at Dallas, Associate Professor, Dallas, TX, USA

7:30 PM - 7:40 PM

Waitlist Outcomes for Patients with Hepatocellular Carcinoma Following the 2019 Exception Policy Change

K. Young¹, C. Enestvedt², W. Naugler¹, E. Maynard², A. Mitra¹, M. Wungiranirun¹, J. Jou¹, J. Ahn¹, M. Chang¹, D. Lhewa¹,
¹Division of Gastroenterology and Hepatology, OHSU, Portland, OR, ²Division of Abdominal Organ Transplant, OHSU, Portland, OR

7:40 PM - 7:50 PM

Severe Hypoxemia After Liver Transplantation in the Hepatopulmonary Syndrome

J. Doi, M. Fujiki, G. D'Amico, K. Sasaki, T. Diago, F. Aucejo, C. Kwon, B. Eghtesad, K. Hashimoto, C. Miller, Q. Cristiano, *Cleveland Clinic, Cleveland, OH*

7:50 PM - 8:00 PM

Long Term Survival After Liver Transplantation for Advanced, Unresectable Intrahepatic Cholangiocarcinoma

R. R. McMillan¹, S. Kodali¹, M. Javle², A. Saharia¹, C. M. Mobley¹, M. J. Hobeika¹, A. Shetty¹, D. W. Victor¹, R. McFadden¹, M. Abdelrahman¹, K. Heyne¹, A. O. Gaber¹, R. M. Ghobrial¹, ¹Houston Methodist Hospital, Houston, TX, ²MD Anderson Cancer Center,

Houston, TX

8:00 PM - 8:10 PM

Should We Curtail the Importance of Non-modifiable Risk Factors in Dcd Liver Risk Stratification?

R. Meier¹, Y. Kelly², S. Yamaguchi², H. Braun², T. Lunow-Luke², D. Adelman², C. Niemann², D. Maluf¹, Z. Dietch², P. Stock², S. Kang², S. Feng², A. Posselt², J. Gardner², C. Freise², R. Hirose², C. Freise², N. Ascher², J. Roberts², G. Roll², ¹University of Maryland, Baltimore, Baltimore, MD, ²UCSF, San Francisco, CA

8:10 PM - 8:20 PM

The Intersection of Cost, Quality, and Volume in Liver Transplant

D. Axelrod¹, R. Balakrishnan¹, A. Harris², S. Hohmann², J. Snyder³, B. Kasiske³, M. Schnitzler⁴, K. Lentine⁴, ¹Univ of Iowa, Iowa City, IA, ²Vizient Inc., Irving, TX, ³SRTR, Minneapolis, MN, ⁴Saint Louis Univ, Saint Louis, MO

8:20 PM - 8:30 PM

Live Video Question and Answer

Program Topic: Kidney

Kidney Living Donor

7:30 PM - 8:30 PM

Moderators:

Ernesto Molmenti, MD, MBA, PhD, Northwell Health, Vice Chair of Surgery, Manhasset, NY, USA

Pooja Singh, MD, Thomas Jefferson University Hospital, Medical Director, Kidney Transplantation, Philadelphia, PA, USA

7:30 PM - 7:40 PM

The Australian and New Zealand Living Kidney Donor Profile Index

G. L. Irish¹, S. Chadban¹, N. Boudville², S. B. Campbell³, J. Kanellis⁴, P. A. Clayton¹,
¹Australian and New Zealand Dialysis and

Transplant Registry, South Australian Health and Medical Research Institute, Adelaide, Australia, ²Medical School, University of Western Australia, Perth, Australia, ³Department of Nephrology, Princess Alexandra Hospital, Brisbane, Australia, ⁴Department of Nephrology, Monash Health, Melbourne, Australia

7:40 PM - 7:50 PM

Recipient and Kidney Allograft Outcomes from Hypertensive Live-Donor in the United States

S. Riad¹, S. Jackson², D. Vock³, A. Matas⁴,
¹Medicine, University of Minnesota, Minneapolis, MN, ²Complex Care Analytics, M-Health Fairview, Minneapolis, MN, ³School of Public Health, University of Minnesota, Minneapolis, MN, ⁴Surgery, University of Minnesota, Minneapolis, MN

7:50 PM - 8:00 PM

Managing the Costs of Routine Follow-up Care After Living Kidney Donation: A Survey of Contemporary Experience, Practice & Challenges

K. Lentine¹, G. McNatt², R. Howey³, C. Thomas², R. Hays⁴, U. Lebron-Banks⁵, S. Ainapurapu¹, A. Tietjen⁶, ¹Saint Louis University, Saint Louis, MO, ²Univ. Iowa, Iowa City, IA, ³Toyon Associates, Concord, CA, ⁴Univ. Wisconsin, Madison, WI, ⁵New York-Presbyterian Hosp., New York, NY, ⁶St. Barnabas, Livingston, NJ

8:00 PM - 8:10 PM

Compatible Paired Donation in Paired Kidney Exchange: A Look at the Road Not Taken

G. Vranic, A. Gilbert, B. Thomas, S. Ghasemian, M. Cooper, J. Verbesey, MedStar Georgetown Transplant Institute, Washington, DC

8:10 PM - 8:20 PM

High Interest, Low Payoff: Understanding Opportunities for Intervention for Those Exploring but Not Pursuing Paired Kidney Donation

A. D. Waterman¹, E. H. Wood¹, A. Thomas²,
¹UCLA David Geffen School of Medicine, Los Angeles, CA, ²Johns Hopkins, Baltimore, MD

8:20 PM - 8:30 PM

Live Video Question and Answer

Program Topic: ID

Infectious Disease 2

7:30 PM - 8:30 PM

Moderators:

Cameron Wolfe, MD, Duke University Medical Center, Chapel Hill, NC, USA

7:30 PM - 7:40 PM

Prevalence of Hepatitis E Virus Infection in Solid Organ Transplant Recipients: A Systematic Review and Meta-analysis

P. Hansrivijit¹, A. Trongtorsak², B. Boonpheng³, C. Thongprayoon⁴, W. Cheungpasitporn⁴, ¹Department of Internal Medicine, UPMC Pinnacle, Harrisburg, PA, ²Department of Internal Medicine, Amita Health Saint Francis Hospital, Evanston, IL, ³Division of Nephrology, David Geffen School of Medicine, University of California, Los Angeles, CA, ⁴Division of Nephrology and Hypertension, Mayo Clinic, Rochester, MN

7:40 PM - 7:50 PM

Belatacept for Kidney Transplantation in the Age of Covid19, is it Safe?

J. Pagan¹, S. Anjan², Y. Natori³, A. Fernandez³, R. Zamora-Gonzalez², A. Mattiazzi¹, L. Mendez¹, G. Guerra¹,
¹Nephrology, University of Miami, Miami, FL, ²Infectious Diseases, University of Miami, Miami, FL, ³Infectious Disease, University of Miami, Miami, FL

7:50 PM - 8:00 PM

Pre-transplant Lower Urinary Tract Dysfunction in Men is a Risk Factor for Adverse Outcomes Following Renal Transplantation

M. J. Goldstein¹, B. R. Schleich², T. Carrea¹, Y. Yushkov¹, N. Cheng³, R. Harrison³, R. Munver³, D. Fromer³, ¹*Organ Transplant, Hackensack University Medical Center, Hackensack, NJ*, ²*Patient Safety and Quality, Hackensack University Medical Center, Hackensack, NJ*, ³*Urology, Hackensack University Medical Center, Hackensack, NJ*

8:00 PM - 8:10 PM

Impact of SARS-CoV 2 Infection on Graft Function in Kidney Transplant Recipients: An Academic Single Center Experience
S. Nahi, A. Shetty, S. Tanna, J. Leventhal, *Northwestern University, Chicago, IL*

8:10 PM - 8:30 PM

Live Video Question and Answer

Program Topic: Basic

Basic 2

7:30 PM - 8:30 PM

Moderators:

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

Mandy Ford, PhD, Emory University, Professor, Atlanta, GA, USA

7:30 PM - 7:40 PM

Complement Blockade Improves Renal Xenograft Survival in Primates in the Absence of Transgenic Complement Regulatory Proteins

D. A. Faber¹, B. Lovasik¹, A. Matar¹, C. Breeden¹, A. B. Farris², M. Tector³, A. Tector³, A. Adams⁴, ¹*Surgery, Emory University School of Medicine, Atlanta, GA*, ²*Pathology, Emory University School of Medicine, Atlanta, GA*, ³*Surgery, University of Miami, Miami, FL*, ⁴*Surgery, University of Minnesota, Minneapolis, MN*

7:40 PM - 7:50 PM

Exosomal DAMP Proteins Released During Islet Isolation Affects TPIAT Outcomes

P. Saravanan, J. Kalivarathan, M. Levy, M. Kanak, *Hume Lee Islet Cell Transplantation Lab, Department of Surgery, VCU Health, Richmond, VA*

7:50 PM - 8:00 PM

Selective Regulatory T Cell Expansion by a Novel IL-2 Mutein Prolongs Skin Transplant Survival in Mice

T. J. Borges¹, O. Effe¹, R. B. Gassen¹, A. Al Jurdi¹, I. T. Lape¹, G. J. Babcock², S. M. Carlson², J. C. Madsen¹, L. V. Riella¹, ¹*Center For Transplantation Sciences, Massachusetts General Hospital, Charlestown, MA*, ²*Visterra, Inc., Waltham, MA*

8:00 PM - 8:10 PM

Allograft Function and Baseline Donor Derived Cell Free DNA in Kidney Transplant Recipients: One Size Doesn't Fit All

K. K. Sureshkumar, A. Grazier, B. Chopra, *Allegheny General Hospital, Allegheny Health Network, Pittsburgh, PA*

8:10 PM - 8:20 PM

Single Cell RNA Sequencing of Tim1- B Cells and Tim1+ Regulatory B Cells

Q. Fu¹, K. Lee², K. Deng², D. Agarwal³, P. v. Galen⁴, C. G. Rickert², G. Huai², H. Yang¹, C. LeGuern², S. Deng¹, J. F. Markmann², ¹*Organ Transplantation Center, Sichuan Provincial People's Hospital, University of Electronic Sciences and Technology of China, Chengdu, China*, ²*Center for Transplantation Sciences, MGH, Boston, MA*, ³*Division of Transplantation, Department of Surgery, Hospital of the University of Pennsylvania, Philadelphia, PA*, ⁴*Division of Hematology, Brigham and Women's Hospital, Boston, MA*

8:20 PM - 8:30 PM

Live Video Question and Answer

Expert VIP Meet Up Sessions

8:45 PM - 9:30 PM

Program Topic: Liver & Pediatric

Pediatric Liver Re Transplantation: Indications, Surgical Techniques and Outcomes

8:45 PM - 8:55 PM

Outcomes of Pediatric Liver Re Transplantation in USA

Carlos O. Esquivel, MD, PhD, Stanford University School of Medicine, Professor of Surgery, Stanford, CA, USA

8:55 PM - 9:05 PM

Surgical Techniques: Pearls and Pit Falls in Pediatric Liver Transplantation

John Goss, MD, Baylor College of Medicine, Professor of Surgery, Houston, TX, USA

9:05 PM - 9:15 PM

Indications and Contradictions for Pediatric Liver Re Transplantation

Simon Horslen, MB, ChB, Seattle Childrens Hospital, Medical Director of Solid Organ Transplantation, Seattle, WA, USA

9:15 PM - 9:30 PM

Live Video Question and Answer

Program Topic: Women's Health

Now or Later? Timing Pregnancy and Transplantation

8:45 PM - 9:30 PM

Moderators:

Deirdre Sawinski, MD, Hospital of the U of Pennsylvania, Associate Professor of Medicine, Philadelphia, PA, USA

Christina Klein, MD, Piedmont Transplant Institute, MD, Atlanta, GA, USA

8:45 PM - 8:55 PM

Ethical Issues in Pregnancy and Transplantation

Brendan Parent, JD, NYU, Assistant Professor; Director of Transplant Ethics and Policy Research, New York, NY, USA

8:55 PM - 9:05 PM

Pro: Pre-transplant Pregnancy is Better

Jessica Tangren, MD MPH, Massachusetts General Hospital, Instructor in Medicine, Boston, MA, USA

9:05 PM - 9:15 PM

Con: Post-Transplant Pregnancy is Preferred

Monika Sarkar, MD, MAS, UCSF, Associate Professor of Medicine, San Francisco, CA, USA

9:15 PM - 9:30 PM

Live Video Rebuttal, Question and Answer

Program Topic: Prof Develop

Write Better Research Grants: Tips from the Other Side

8:45 PM - 9:30 PM

Moderators:

Mandy Ford, PhD, Emory University, Atlanta, GA, USA

Lisa McElroy, MD, Duke University, Durham, NC, USA

8:45 PM - 8:55 PM

R01 Grants

Daniel Kreisel, MD, PhD, Washington University St Louis, Professor of Surgery, St. Louis, MO, USA

8:55 PM - 9:05 PM

K Grants

Maria-Luisa Alegre, MD PhD, University of Chicago, Professor of Medicine, Chicago, IL, USA

9:15 PM - 9:30 PM

Live Video Question and Answer

Program Topic: Other

**The New Age Transplantation
Professional**

8:45 PM - 9:30 PM

Moderators:

Samira Farouk, MD, MSCR, FASN, Icahn School of Medicine at Mount Sinai, Assistant Professor of Medicine & Medical Education, New York, NY, USA

Joanna Schaenman, MD, PhD, David Geffen School of Medicine at UCLA

8:45 PM - 8:55 PM

**Educating the Public about Transplant:
Reversing Misconceptions**

Brianna Doby, BA, Johns Hopkins, OPO Community Consultant, Baltimore, MD, USA

8:55 PM - 9:05 PM

**#WhatIsTwitter: Understanding the role of
Social Media**

Silvi Shah, MD, MS, University of Cincinnati, Cincinnati, OH, USA

9:05 PM - 9:15 PM

**Rethinking Medical Education Through
Innovation and Social Media**

Peter Chin-Hong, MD, University of California, San Francisco, Associate Dean for Regional Campuses and Professor of Medicine, San Francisco, CA, USA

9:15 PM - 9:30 PM

Live Video Question and Answer

Program Topic: Lung

**It's a Small World: The Microbiome, Lung
Disease, and Lung Transplantation**

8:45 PM - 8:55 PM

The Lung Microbiome and Allograft Health

After Lung Transplantation

Alicia Mitchell, PhD, University of Sydney, Dr, Sydney, Australia

9:05 PM - 9:30 PM

Live Video Question and Answer

Program Topic: Prof Develop

**Looking Under the Hood of High Impact
Research: From Idea to AJT Publication**

8:45 PM - 9:30 PM

Moderators:

Carli Lehr, MD, MS, Cleveland Clinic, Assistant Professor, Cleveland, OH, USA

8:45 PM - 8:50 PM

Introduction

Deepika Devuni, MD, University of Massachusetts Medical School, Assistant Professor, Worcester, MA, USA

8:50 PM - 9:00 PM

How to Get Published in AJT

Sandy Feng, MD, PhD, University of California, San Francisco, San Francisco, CA, USA

9:00 PM - 9:10 PM

High Impact Journal Article Presentation

Thomas Cotter, MD MS, University of Chicago Medicine, Doctor, Chicago, IL, USA

9:10 PM - 9:20 PM

**Editorial Fellowship: How to Get Involved as a
Trainee and Young Faculty**

Ilkka Helanterä, MD, PhD, Helsinki University Hospital, Dr., Helsinki, Finland

9:20 PM - 9:30 PM

Live Video Question and Answer

Program Topic: Prof Develop

Can Improved Cultural Competence, and Tools for Conflict Resolution Reduce Physician Burnout in Transplantation?

8:45 PM - 9:30 PM

Moderators:

Roshan George, MD, Emory University and Children's Healthcare of Atlanta, Associate Professor, Atlanta, GA, USA

Bethany Foster, MD, Montreal Children's Hospital of the McGill University Health Centre, Professor of Pediatrics, Montreal, QC, Canada

Rebecca Duke, MSN, DNP, APRN-CNP, Northwestern Memorial Hospital, Transplant surgery nurse practitioner, Chicago, IL, USA

8:45 PM - 8:55 PM

From Fatigue to not Caring: The Path to Compassion Fatigue

Charlie Thomas, LCSW, ACSW, FNKF, Banner Transplant Institute, Transplant Social Worker, Phoenix, AZ, USA

8:55 PM - 9:05 PM

How Conflict Resolution Strategies Can Improve Burnout

Jennifer Guy, MD, MAS, CPMC, San Francisco, CA, USA

9:05 PM - 9:30 PM

Live Video Question and Answer

Program Topic: Liver

Risk Prediction in Low-MELD Patients - What is the best Personalized Therapeutic Approach?

8:45 PM - 8:55 PM

Risk Prediction in Low-MELD Patients - What is the best Personalized Therapeutic Approach?

Scott Biggins, MD, University of Washington, Chief of Hepatology, Seattle, WA, USA

WA, USA

8:55 PM - 9:05 PM

Risk Prediction in Low-MELD Patients - What is the best Personalized Therapeutic Approach?

Kim Olthoff, MD, University of Pennsylvania, Donald Guthrie Professor of Surgery, Chief Division of Transplant Surgery, MERION STATION, PA, USA

9:05 PM - 9:30 PM

Live Video Question and Answer

Program Topic: Other

Bringing Living Donor Programs into the XXI Century: Incorporating Social Media to Enhance Living Donation

8:45 PM - 9:30 PM

Moderators:

Krista Lentine, MD, PhD, Saint Louis University Medical Center, Professor, St. Louis, MO, USA

Randolph Schaffer, MD, Scripps Clinic and Green Hospital, Director, Living Donor Transplantation, La Jolla, CA, USA

8:45 PM - 8:55 PM

Practice Patterns and Barriers to Social Media Utilization to Identify Living Donors: Results of an OPTN National Survey

Angie Nishio Lucar, MD, University of Virginia, Associated Professor, Charlottesville, VA, USA

8:55 PM - 9:05 PM

Best Practices for Safe Utilization of Social Media in Living Donation

Heather Hunt, Living Liver Donor, UNOS Living Donor Committee Chair, Chair, Osterville, MA, USA

9:05 PM - 9:15 PM

Challenges and Ethical Complexities
 Surrounding Social Media Utilization in Living
 Donation

Macey Henderson, JD, Johns Hopkins
 Hospital

9:15 PM - 9:30 PM

Live Video Question and Answer

Program Topic: ID

**Preventing Fungal Infections after
 Transplantation**

8:45 PM - 9:30 PM

Moderators:

Paschalis Vergidis, MD, MSc, Mayo Clinic,
 Assistant Professor of Medicine, Rochester,
 MN, USA

8:45 PM - 8:50 PM

**Preventing Fungal Infections after
 Transplantation**

Barbara Alexander, MD, MHS, Duke
 University, Professor of Medicine and
 Pathology, Durham, NC, USA

8:50 PM - 8:55 PM

**Preventing Fungal Infections after
 Transplantation**

Shahid Husain, MD, MS, University Health
 Network, Professor of Medicine, Toronto,
 ON, Canada

8:55 PM - 9:30 PM

Live Video Question and Answer

Program Topic: Ethics

**Amplifying the Patient's Voice in
 Transplant Research and Care: Guidance
 on Using Patient Reported Outcomes in
 Your Work**

8:45 PM - 9:30 PM

Moderators:

Zeeshan Butt, PhD, Northwestern University
 Feinberg School of Medicine, Associate
 Professor of Medical Social Sciences,
 Surgery, and Psychiatry, Chicago, IL, USA
Larissa Myaskovsky, PhD, University of
 New Mexico, School of Medicine, Professor
 and Director, Center for Healthcare Equity in
 Kidney Disease (CHEK-D), Albuquerque,
 NM, USA

8:45 PM - 8:55 PM

**How can Patient Reported Measures be used
 to Facilitate Transplant Educational
 Discussions and Evaluate Transplant
 Educational Interventions?**

John Peipert, PhD, Northwestern University,
 Assistant Professor, Chicago, IL, USA

8:55 PM - 9:05 PM

**How can Patient-reported Outcomes be
 Useful Routine Clinical Patient Management?**

Istvan Mucsi, MD, PhD, Division of
 Nephrology and Multi-Organ Transplant
 Program

9:05 PM - 9:30 PM

Live Video Question and Answer

Program Topic: APP

**Stuck in the Middle: The Transition from
 Pediatric to Adult Care**

8:45 PM - 9:30 PM

Moderators:

Beverly Kosmach-Park, DNP, RN, FAAN,
 Children's Hospital of Pittsburgh, Clinical
 Nurse Specialist, Clinical Assistant Professor
 of Surgery, Pittsburgh, PA, USA

8:45 PM - 8:55 PM

**Stuck in the Middle: The Transition from
 Pediatric to Adult Care**

Danielle Krieger, MSN, NP-C, University of
 California at San Francisco, Nurse
 Practitioner, San Francisco, CA, USA

8:55 PM - 9:05 PM

Stuck in the Middle: The Transition from Pediatric to Adult Care

Emily Fredericks, PhD, C.S. Mott Children's Hospital, Michigan Medicine, Professor of Pediatrics, Ann Arbor, MI, USA

9:15 PM - 9:30 PM

Live Video Question and Answer

Program Topic: Liver

When Does the Recipient Cross the Line?

8:45 PM - 9:30 PM

Moderators:

Nancy Ascher, MD, PhD, Univ of California-San Francis, Professor Surgery, San Francisco, CA, USA

Juan Caicedo, MD, Northwestern University, Associate Professor of Surgery, Chicago, IL, USA

8:45 PM - 8:55 PM

How Old is too Old for Liver Transplantation?

Josh Levitsky, MD, MS, northwestern, Professor of Medicine, Evanston, IL, USA

8:55 PM - 9:05 PM

Liver Transplantation at the Extreme of the BMI's: Should there be a Cutoff?

Linda Sher, M.D., University of Southern California Keck School of Medicine, Professor, Los Angeles, CA, USA

9:05 PM - 9:15 PM

LDLT in Critically Ill Patients : Are We Ready for This ?

Yuri Genyk, University of Southern California, Los Angeles, CA, USA

9:15 PM - 9:30 PM

Live Video Question and Answer

Program Topic: Kidney

The Effect of Race and Ethnicity on Clinical Risk Assessment Equations and Scores

8:45 PM - 9:30 PM

Moderators:

Asif Sharfuddin, MD, Indiana University School of Medicine, Associate Professor of Clinical Medicine, Indianapolis, IN, USA

Mona Doshi, MBBS, University of Michigan

8:45 PM - 8:55 PM

The Effect of Replacing Race with APOL1 Gene in the KDPI Calculator

Sumit Mohan, MD, MPH, Columbia University Medical Center

8:55 PM - 9:05 PM

The Impact of Removing Race from GFR Calculation Among African American Living Kidney Donor Candidates

Andrew S Levey, M.D., Tufts Medical Center, Chief Emeritus, Division of Nephrology, Boston, MA, USA

9:05 PM - 9:15 PM

Reconsidering and Re-Imagining eGFR when Referring and Listing African Americans with CKD for Pre-emptive Transplantation.

Peter Reese, MD, University of Penn

9:15 PM - 9:30 PM

Live Video Question and Answer

Program Topic: Public Policy

Implementing Successful Outreach and Telemedicine Programs in Transplantation: Breaking Down the Barriers

8:45 PM - 9:30 PM

Moderators:

Courtney Sherman, MD, UCSF, Assistant Professor of Medicine, San Francisco, CA,

USA

Adnan Said, MD, UW School of Medicine and Public Health, Professor, Gastroenterology and Hepatology, chief VA GI and Hepatology, Director liver transplant fellowship, Madison, WI, USA

8:45 PM - 8:55 PM

Implementation of a Telemedicine Program to Improve Timeliness to Kidney Transplant Evaluation

Rachel Forbes, MD, MBA, Vanderbilt University Medical Center, Division Chief, Kidney and Pancreas Transplantation Surgery, Nashville, TN, USA

8:55 PM - 9:30 PM

Live Video Question and Answer

9:00 AM - 9:10 AM

Extensive Porto-Mesenteric Thrombosis: Isolated Intestine Transplant or MVT?

Alan Langnas, DO, University of Nebraska Medical Center, Omaha, NE, USA

9:10 AM - 9:20 AM

The Patient with Pre-Transplant High DSA Titers - Is There a Role for MVT to Manage Immunogenicity?

Debra Sudan, MD, Duke University Medical Center, Professor of Surgery, Durham, NC, USA

9:20 AM - 9:30 AM

Multivisceral Transplant: Is it ever Necessary for Patients with well Compensated Cirrhosis and Hepatic Fibrosis?

Kareem Abu-Elmagd, MD, PhD, Cleveland Clinic, Prof., Cleveland, OH, USA

9:30 AM - 10:00 AM

Live Video Question and Answer

Wednesday, June 9, 2021

Welcome

8:45 AM - 9:00 AM

IMPACT Sessions

9:00 AM - 10:00 AM

Program Topic: Small Bowel

When is Multivisceral Transplant Indicated and When can it be Avoided

9:00 AM - 10:00 AM

Moderators:

Rodrigo Vianna, MD, University of Miami/Jackson Memorial Hospital, Director of Transplant Services, Miami, FL, USA

Jang Moon, MD, Mount Sinai Medical Center, Associate Professor of Surgery, New York, NY, USA

Program Topic: Admin

The Role of the US Federal Government in Solid Organ Transplantation

9:00 AM - 9:10 AM

Moderators:

Melissa Greenwald, MD, Chicago, IL, USA
Yolanda Becker, MD, University of Chicago, Professor of Surgery, CHICAGO, IL, USA

9:00 AM - 9:10 AM

FDA involvement in Solid Organ Transplantation

Scott Brubaker, Silver Spring, MD, USA

9:10 AM - 9:20 AM

The Role of the CDC in Transplantation

Sridhar Basavaraju, MD, CDC, Director-Office of Blood, Organ, and Other Tissue Safety, Atlanta, GA, USA

9:20 AM - 9:30 AM

HRSA and Solid Organ Transplantation

Marilyn Levi, MD, HRSA/Health Systems Bureau/Division of Transplantation, Physician, Washington, DC, USA

9:40 AM - 10:00 AM

Live Video Question and Answer

Program Topic: Small Bowel

Intestine Transplant: Strategies to Manage Disease Recurrence and Failure to Thrive

9:00 AM - 10:00 AM

Moderators:

Thiago Beduschi, MD, University of Florida, Chief of Transplantation and Hepatobiliary Surgery, Gainesville, FL, USA

Simon Horslen, MB, ChB, Seattle Childrens Hospital, Medical Director of Solid Organ Transplantation, Seattle, WA, USA

9:00 AM - 9:10 AM

Metabolic and Renal Complications Post-Transplant

Maria Cristina Segovia, MD, Duke University Hospital, Medical Director Intestine Transplant Program, Durham, NC, USA

9:10 AM - 9:20 AM

Recurrence of Disease after Transplant: IBD, Thrombosis, Dysmotility

Syed-Mohammed Jafri, MD, Henry Ford Health System, Doctor, Detroit, MI, USA

9:20 AM - 9:30 AM

Management of Debility, TPN Dependence and Failure to Thrive after Transplant

Thomas Fishbein, MedStar Georgetown Transplant Institute, Washington, DC, USA

9:30 AM - 10:00 AM

Live Video Question and Answer

Program Topic: Translational

Novel Imaging Techniques for Allorejection

9:00 AM - 10:00 AM

Moderators:

Geoffrey Camirand, PhD, University of Pittsburgh, Assistant Professor, Pittsburgh, PA, USA

Jonathan Bromberg, MD, PhD, University of Maryland School of Medicine, Professor of Surgery and Microbiology and Immunology, Baltimore, MD, USA

9:00 AM - 9:10 AM

Live Imaging of T Cells and Rejection

Martin Oberbarnscheidt, University of Pittsburgh, Pittsburgh, PA, USA

9:10 AM - 9:20 AM

Quantifying in Situ Adaptive Immune Cell Cognate Interactions in Humans

Marcus Clark, M.D., University of Chicago, Professor, Chicago, IL, USA

9:20 AM - 10:00 AM

Live Video Question and Answer

Program Topic: Pediatric & Kidney

Biomarkers of Immune Status after Pediatric Kidney Transplantation - the Yin/Yang of Rejection Versus Infection

9:00 AM - 10:00 AM

Moderators:

Katherine Twombly, MD, Medical University of South Carolina, Professor, Charleston, SC, USA

Joshua Blatter, MD, MPH, Washington University School of Medicine in St. Louis, Assistant Professor, Saint Louis, MO, USA

9:00 AM - 9:10 AM

Urinary Biomarker Profiles in Children

Brendan Keating, D.Phil, University of

Pennsylvania, Associate Professor of
Transplant Research, Philadelphia, PA, USA

9:30 AM - 10:00 AM

Live Video Question and Answer

9:10 AM - 9:20 AM

The Blood Gene Expression Profile - Are
Children Different?

Sarah Kizilbash, MD, MS, University of
Minnesota, Assistant Professor, Minneapolis,
MN, USA

Program Topic: Pancreas

Broader Distribution of Pancreata Should
Require Fewer Pancreas Transplant
Programs

9:20 AM - 9:30 AM

Putting the Biomarkers Together - A Panel
Approach

Vikas Dharnidharka, MD, MPH, Washington
University in St. Louis, Professor and Vice-
Chair, Pediatrics, St. Louis, MO, USA

9:00 AM - 10:00 AM

Moderators:

Jose Oberholzer, MD, University of Illinois
at Chicago, Director, Transplant Center,
Charlottesville, VA, USA

Dixon Kaufman, MD, PhD, University of
Wisconsin, Ray D. Owen Professor,
Madison, WI, USA

9:30 AM - 10:00 AM

Live Video Question and Answer

Program Topic: Basic

Non-HLA Antibodies and Graft Rejection

9:00 AM - 9:10 AM

A Debate Around Broader Distribution of
Pancreata and Fewer Pancreas Transplant
Programs

Matthew Cooper, MD, MedStar Georgetown
Transplant Institute, Director, Kidney and
Pancreas Transplantation, Washington, DC,
USA

9:00 AM - 10:00 AM

Moderators:

Mélanie Dieudé, PhD, Université de
Montréal, Professor, Montréal, QC, Canada

Stanley Jordan, MD, Cedars Sinai Medical
Ctr, Director Nephrology & Transplant
Immunology Medical Director Kidney
Transplant Program, West Hollywood, CA,
USA

9:10 AM - 9:20 AM

Pro: Less Programs, Greater Resources,
Greater Commitment, Better Patient Service

Ty Dunn, MD, Univ. of Pennsylvania,
Professor of Surgery, Philadelphia, PA, USA

9:10 AM - 9:20 AM

Clinical Relevance of Non-HLA Antibodies

Dany Anglicheau, MD PhD, Department of
Nephrology and Transplantation, Necker
Hospital, Paris, France, Professor, Paris,
France

9:20 AM - 9:30 AM

Con: Less Programs, Less Options, Less
Access, Poorer Patient Service

Christian Kuhr, MD, Virginia Mason Medical
Center, Surgical Director of Kidney/Pancreas
Transplantation, Seattle, WA, USA

9:20 AM - 9:30 AM

Functional Properties of Non-HLA Antibodies

Marie-Josée Hebert, MD, CHUM - Hospital
Notre-Dame, Montreal, QC, Canada

9:30 AM - 10:00 AM

Live Video Rebuttal and Question and Answer

Program Topic: Lung & Liver

Lung and Liver Transplant in the Era of
CFTR Modulator Therapies

9:00 AM - 10:00 AM

Moderators:

Josh Levitsky, MD, MS, northwestern,
Professor of Medicine, Chicago, IL, USA

Maryam Valapour, MD, MPP, Cleveland
Clinic

9:00 AM - 9:10 AM

**Dual-Organ Transplant - How Does Improving
Pulmonary Function Impact Liver-Lung
Transplant?**

Lindsay King, MD, MPH, Duke, Assistant
Professor of Medicine, Durham, NC, USA

9:10 AM - 9:20 AM

**How Can CFTR Modulators Affect Referral to
Lung Transplant and Be Used Post
Transplant?**

Joseph Pilewski, MD, University of
Pittsburgh

9:20 AM - 9:30 AM

**Considerations of CFTR Modulators and
Transplant Medications**

Sara Strout, PharmD, Johns Hopkins
Hospital, Cardiothoracic Transplant Clinical
Pharmacist, Baltimore, MD, USA

9:30 AM - 10:00 AM

Live Video Question and Answer

Program Topic: Women's Health

**Emerging Hot Topics in Pregnancy and
Transplant**

9:00 AM - 10:00 AM

Moderators:

Monika Sarkar, MD, MAS, UCSF, Associate
Professor of Medicine, San Francisco, CA,
USA

Patricia West-Thielke, PharmD, University
of Illinois, Chicago, IL, USA

9:00 AM - 9:10 AM

**Pregnancy After Living Liver and Kidney
Donation**

Krista Lentine, MD, PhD, Saint Louis

University Medical Center, Professor, St.
Louis, MO, USA

9:10 AM - 9:20 AM

**Immunosuppression Safety in Transplant:
The Road Less Traveled**

Lisa Coscia, RN, BSN, CCTC, National
Transplantation Pregnancy Regis, Senior
Registry Research Coordinator, Philadelphia,
PA, USA

9:20 AM - 9:30 AM

**Assisted Reproductive Technology After
Transplant: Safe and Successful Options in
Men and Women**

Kathleen O'Neill, MD, University of
Pennsylvania, Assistant Professor,
Philadelphia, PA, USA

9:30 AM - 10:00 AM

Live Video Question and Answer

Program Topic: Other

**The Hidden Threat of Pulmonary
Hypertension in Solid Organ Transplant
Patients**

9:00 AM - 10:00 AM

Moderators:

Helen Te, MD, Univ of Chicago Medicine,
Professor of Medicine, Chicago, IL, USA

Salvatore Costa, MD, FACC, Dartmouth
Hitchcock Medical Center, Associate
Professor of Medicine, Hanover, NH, USA

9:00 AM - 9:10 AM

**Pulmonary Hypertension in the Transplant
Candidate and Recipient: Diagnostic
Challenges**

Deborah Levine, MD, UT San Antonio,
Professor of Medicine, San Antonio, TX,
USA

9:10 AM - 9:20 AM

Pathophysiology of Pulmonary Hypertension in the Transplant Candidate: Understanding an Under-recognized Condition in Kidney, Liver and Lung transplant Candidates
James Runo, MD, University of Wisconsin

9:20 AM - 10:00 AM

Live Video Question and Answer

Break

10:00 AM - 10:30 AM

Controversies in Transplantation

10:30 AM - 11:30 AM

Program Topic: Public Policy

Processes to Assure Referral of Patients with End Stage Organ Disease for Transplant Evaluation

10:30 AM - 11:30 AM

Moderators:

Matthew Cooper, MD, MedStar Georgetown Transplant Institute, Director, Kidney and Pancreas Transplantation, Washington, DC, USA

Benjamin Hippen, MD, Metrolina Nephrology Associates, PA, Transplant Nephrologist, Charlotte, NC, USA

10:30 AM - 10:40 AM

We Don't Know What We Don't Know: Lack of Access to Kidney Waitlists and Transplantation

Sumit Mohan, MD, MPH, Columbia University Medical Center

10:40 AM - 10:50 AM

PRO - An Opt Out Referral System for Kidney Transplant Referral is the Solution

Rachel Patzer, PhD, MPH, Emory University

10:50 AM - 11:00 AM

CON- An Opt Out System for Kidney Transplant Referral will Overwhelm Transplant Programs and Without Significant Financial Support will Harm Patients and Transplantation

Lloyd Ratner, MD, MPH, Columbia University, Professor of Surgery; Director - Renal & Pancreatic Transplantation, New York, NY, USA

11:00 AM - 11:30 AM

Live Video Question and Answer

Program Topic: Basic & Translational

Self-tolerance vs. Islet Transplantation

10:30 AM - 11:30 AM

Moderators:

Maria-Luisa Alegre, MD PhD, Univ of Chicago, Professor, Chicago, IL, USA

Peter Stock, MD, PhD, Univ of California-San Francisco, Professor of Surgery, San Francisco, CA, USA

10:30 AM - 10:40 AM

Autoimmune Diabetes at the Crossroads - Where Do We Stand for Transplant Based Therapies?

James Markmann, MD, PhD, Massachusetts General Hospital, Boston, MA, USA

10:40 AM - 10:50 AM

PRO: Regulatory T cells Are Ready for Prime Time in Autoimmune Diabetes (and Organ Transplantation)

Ronald Gill, PhD, University of Colorado, Professor of Surgery, Aurora, CO, USA

10:50 AM - 11:00 AM

CON: Islet Cell Therapy (Allogenic or Engineered) Is The Path Forward

Kevan Herold, MD, Yale School of Medicine, New Haven, CT, USA



11:00 AM - 11:30 AM

Live Video Question and Answer

Break

11:30 AM - 12:00 PM

What's Hot / What's New

12:00 PM - 12:45 PM

Program Topic: All Topics & All Organs

Virtual Connect Abstract Highlights

Daily Closing

12:45 PM – 1:00 PM