

THE SCIENCE
OF TOMORROW
STARTS TODAY

AMERICAN TRANSPLANT CONGRESS
ATC2022

JUNE 4–8, 2022 / BOSTON, MA
JOHN B. HYNES CONVENTION CENTER

atcmeeting.org / [#ATC2022Boston](https://twitter.com/ATC2022Boston)

**REGISTRATION
BROCHURE**

Discounted Deadline / May 4, 2022

In-Depth Symposia / Saturday, June 4, 2022

ATC Annual Meeting / Saturday, June 4 – Wednesday, June 8, 2022

Exhibits / Saturday, June 4 – Tuesday, June 7, 2022



ATC

THE SCIENCE
OF TOMORROW
STARTS TODAY

JOIN OVER 5,000 transplant professionals

From around the world for the most comprehensive live educational event on transplantation. ATC 2022 will offer more than 200 scientific and clinical related sessions designed to expand your knowledge, sharpen your skills, and keep you up-to-date on the most recent advances in solid organ and tissue transplantation.

ALL NEW ENHANCED EXPERIENCE

In-Person

We are excited to announce ATC 2022 will return IN-PERSON in Boston, MA. The ATC Program Planning Committee has built a robust program that will allow in-person attendees the opportunity to gain access to innovators in the field while having your voice heard through various types of interaction.

We are excited to welcome you back to Boston!

Virtual Only

We will also live stream sessions to the virtual audience in real-time allowing them the opportunity to submit questions in real-time.

Access Breakdown

Review the below access that is included in ATC Registration for In-person and Virtual Only attendees.

	In-Person	Virtual Only
Invited Symposia	✓	✓
Plenary & Oral Abstract Sessions	✓	✓
Sponsored Satellite Symposia	✓	✓
Meet-the-Expert Sessions	✓	
Poster Abstract Chats	✓	
Sponsor Product Theater Presentations	✓	
In-person Networking with Attendees	✓	
In-person Networking with Sponsors	✓	
Live Stream Platform	✓	✓
ATC OnDemand	✓	✓
Education Credits (CME, ANCC, ACPE, & ABTC)	✓	✓

Mobile Responsive Access

You'll be able to access sessions for Live Streaming or OnDemand on-the-go, earn your education credit or contact hours, hear the latest innovations, and build your professional network.

Health & Safety

Boston In-person Entry Protocols

The health and safety of all ATC participants and staff, along with their family members, co-workers and patients, continue to remain our top priority and we'd like to thank you for your support as we plan our next meeting.

COVID-19 Vaccination Required

The ATC 2022 Congress will proceed with a COVID-19 Vaccination Required approach for all In-person attendees, exhibitors, press, and ATC/ASTS/AST staff.

In practice, this means all ATC In-person attendees, exhibitors, press and ATC/ASTS/AST staff must be fully vaccinated to gain access to the ATC Boston meeting facilities.

City of Boston – Mask Wearing Inside Facilities

In accordance with the CDC guidelines and the City of Boston, masks will be required for all guests, regardless of vaccination status, inside at all ATC Boston meeting facilities. Masks must be worn except while actively eating or drinking.

Full details available: atcmeeting.org/health-safety

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). 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 promote the exchange of ideas and practice in the field of solid organ and tissue transplantation.

ATC is an annual Congress that welcomes 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 1,900 professionals dedicated to excellence in transplantation surgery. Our mission is to advance the art and science of transplant surgery through patient care, research, education, and advocacy. We are the only organization dedicated to transplantation surgery in North America and accredit training programs for abdominal transplant surgery, in addition to providing certification for transplant surgeons through the Transplant Accreditation and Certification Council. To learn more, visit [ASTS.org](https://www.astsonline.org) or email asts@asts.org.

ABOUT AST

Founded in 1982, the American Society of Transplantation ([myAST.org](https://www.myast.org)) is an organization of more than 4,000 professionals dedicated to advancing the field of transplantation and improving patient care by promoting research, education, advocacy, organ donation and service to the community through a lens of equity and inclusion. The society is the largest organization of transplant professionals in North America. AST members are sought out as transplant experts and advocates. 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.

WELCOME!

It is with great pleasure that the American Society of Transplant Surgeons (ASTS) and the American Society of Transplantation (AST) invite you to attend the 2022 American Transplant Congress (ATC) — the 21st joint annual Congress. The ATC is the foremost educational event in the field of basic and clinical transplantation.

For the 2022 Congress, we head back to Boston, MA, where it will be held in the John B. Hynes Convention Center. Review this registration brochure for program details and discounted registration information.

The Science of Tomorrow Starts Today at ATC in Boston!

We look forward to your participation.

Sincerely,
ATC 2022 Program Planning Committee



“ATC showcases the latest innovations and advances in transplant practice and science. Wherever you are in the world, ATC is the one can’t-miss event for everyone in transplantation!”

— A. Osama Gaber, MD, FACS
ASTS President



“We have all learned the tremendous value of engaging with our peers over the past two years. ATC offers the most comprehensive environment to interact with the top scientists and professionals in the field of transplantation.”

— Jesse Schold, PhD, M.Stat, M.Ed
2022 ATC Program Chair

“The ATC is the premier academic transplant meeting and a must attend for all transplant professionals. This year’s meeting promises to be extra-special as the first in person meeting since 2019.”

— John Gill, MD, MS
AST President



“I think after navigating two plus years of pandemic, cycling restrictions, and virtual academic meetings that have conveyed the essentials of academic progress over the past three years, ATC 2022 in Boston gives us the opportunity to convene in person, with attention to doing so safely, and interact with colleagues, foster collaboration, and assess the progress that has occurred in transplantation during this unprecedented period of change.”

— Matt Levine, MD, PhD
2022 ATC Program Chair

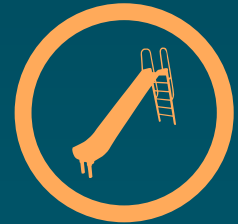


About BOSTON

History around every corner, and so much more! Boston's rich art, music and dance institutions, theatre and cultural attractions, distinguished dining and nightlife venues, world-class shopping, and championship sports teams attract millions of visitors each year. The city's downtown neighborhoods, each with their own personality, offer endless unique experiences. Boston's proximity to other must-see sites all around New England make it one of the country's most diverse and exciting locales.



BOSTON FACTS:



Boston is Home to America's First Public Park, established in 1634
Source: Signature Boston



The cities of Boston and Cambridge have nine hospitals and medical centers



Logan Airport has nonstop flights to 56 domestic and international destinations



Voted a Top 15 City in 2018
Source: Travel and Leisure Magazine World's Best Awards 2018

2022 PROGRAM PLANNING COMMITTEE

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Medical Center
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Hartsdale, NY

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Edmonton, AB

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ASTS COUNCIL 2021-2022

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President-Elect

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Fax: 856-581-9604

Email: info@myAST.org

Website: www.myAST.org

Who Should Attend?

This meeting 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

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.

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.

Scientific material will be presented through in-depth symposia, impact sessions, meet the expert, rapid-fire oral presentations, and more.

REGISTRATION INFORMATION

SATURDAY, JUNE 4 – WEDNESDAY, JUNE 8, 2022

Registration Type	Discounted Registration by May 4, 2022		Onsite Registration after May 4, 2022	
	In-Person	Virtual Only	In-Person	Virtual Only
Member (ASTS, AST or Dual)	\$580.00	\$580.00	\$715.00	\$715.00
Non-Member	\$1,065.00	\$1,065.00	\$1,165.00	\$1,165.00
Non-Doctoral Member (ASTS or AST)	\$275.00	\$275.00	\$325.00	\$325.00
Non-Doctoral Non-Member	\$425.00	\$425.00	\$500.00	\$500.00
Trainee Member (ASTS or AST)	\$175.00	\$175.00	\$200.00	\$200.00
Trainee Non-Member*	\$225.00	\$225.00	\$250.00	\$250.00
Senior/Emeritus Member	\$0.00	\$0.00	\$0.00	\$0.00
Medical Student/Resident**	\$0.00	\$0.00	\$0.00	\$0.00

*Trainee non-members must provide proof of eligibility.

**The Medical Student / Resident registration category is not intended for poster or oral abstract presenters. Residents must provide a letter from their program director; Students must provide a letter from their department chairs.

Additional Items

iPad Rental	\$65.00 per iPad (Limited to one per registrant)
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INCLUDED IN REGISTRATION

All New Enhanced Experience

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Meet-the-Expert Sessions	✓	
Poster Abstract Chats	✓	
Sponsor Product Theater Presentations	✓	
In-person Networking with Attendees	✓	
In-person Networking with Sponsors	✓	
Live Stream Platform	✓	✓
ATC OnDemand	✓	✓
Education Credits (CME, ANCC, ACPE, & ABTC)	✓	✓

PROCESS & PAYMENT

Discounted Registration Deadline: May 4, 2022

The ATC offers discounted registration fees if you register by May 4, 2022. Registration must be completed online along with full payment by this date to qualify for the discounted registration fee. Early registration is strongly recommended to ensure timely processing of your registration and to avoid lengthy on-site lines.

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 2022 must be paid by **May 31, 2022** to qualify for MEMBER registration fees. NEW member applications are subject to additional processing time following payment.

QUESTIONS REGARDING YOUR ASTS OR AST MEMBERSHIP?

ASTS Membership

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

AST Membership

Membership team at info@myAST.org or 856-439-9986.

*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

Cancellation/Change Fee Policy

Requests for refunds must be submitted via email to atc@atcmeeting.org by **May 20, 2022** to be eligible for reimbursement. There will be a \$75 processing fee for all refunds. Refunds will not be processed until after the meeting. Refund requests **after May 20, 2022** will not be honored. There are no refunds for ticketed or social events.

Name Changes

All name changes must be received via email to atc@atcmeeting.org by **May 20, 2022**. 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 atc@atcmeeting.org by **May 20, 2022**. We are not able to change your registration type after this date.

VISA Letters of Invitation

Letters of invitation are available to registered participants only. You will have the option to request a letter of invitation during the registration process. Once you are registered, you will need to log into your badge center. You will need your email address and badge number to log in. You will then be able to print the Visa invitation letter using the link under "My Account."

CONGRESS LOCATION

JOHN B. HYNES CONVENTION CENTER

900 Boylston St
Boston, MA 02115

HOTEL INFORMATION

OnPeak has been selected as the Official ATC Housing Company. ATC has negotiated hotel rooms at a discounted rate available through the online reservation system that will be available February 2022. Rooms are limited and available on a first-come, first-served basis.

Benefits of Booking in the Block

- Block hotels have been researched by ATC to ensure they meet our standards.
- Assistance is available in advance and on-site for problems with the ATC block hotels.
- Block hotels have friendlier booking terms: no change fees, no full prepayment.
- It saves money. Rates and terms are guaranteed.
- It's the right thing to do to support the conference. Meeting space rental and future room rates are based on in-the-block bookings, helping to keep the overall cost of registration lower. Future cost savings for all depends on strong in-the-block bookings.

Preferred Hotels & Rates

To secure these rates, you must book housing through OnPeak. Rooms are limited and available on a first come, first served basis at atcmeeting.org/hotel.

Sheraton Boston	\$338
Marriott Copley Place	\$348
Westin Copley Place.....	\$358

DISCOUNTED RESERVATION DEADLINE: MAY 11, 2022

TRAVEL INFORMATION

Air Travel

The ATC has designated Crystal Travel Management Company as their official travel agent for the Congress.

To make a flight reservation, contact Sean Kelly at Crystal Travel Management Company at 1-888-327-2862 or via email at Sean@crystal-travel.com.

To obtain the most competitive rates, please refer to the ATC meeting when making reservations. Fare restrictions and cancellation penalties may apply to your travel. Be sure to book your flight well in advance to receive the best rates and to have the agent advise you of any applicable restrictions.

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.

CONGRESS PROGRAMS SATURDAY, JUNE 4TH, 9:30 AM – WEDNESDAY, JUNE 8TH, 12:30 PM

All below programs are included in Congress registration unless noted

IN-DEPTH SYMPOSIA

9:30 AM – 12:00 PM | SATURDAY

In-Depth Symposia are half day 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

7:00 AM – 8:00 AM | SUNDAY, MONDAY, TUESDAY, WEDNESDAY

2:00 PM – 3:00 PM | SUNDAY, MONDAY, TUESDAY

10:00 AM – 11:00 AM | TUESDAY

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. Each presentation will close with 3 takeaways on how their topic is impactful to the transplant community.

Attendee Profile

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

MEET THE EXPERT

3:15 PM – 4:00 PM | SATURDAY

4:30 PM – 5:15 PM | SATURDAY

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

Attendee Profile

- ▶ Early Career
- ▶ Mentor/Expert Wanting to Share Comments

Limited attendance.

FOCUS IN TRANSPLANTATION

3:30 PM – 6:30 PM | SUNDAY, MONDAY

Deep dive into focused presentations on Basic and Translational science. Individual sessions on “Basic: “OMICS in Transplantation” and “Translational: Translational Role of Biomarkers in Immune Profiling” will be presented.

Attendee Profile

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

PROGRAM TYPES CONTINUED

CONTROVERSIES IN TRANSPLANTATION

10:15 AM – 11:15 AM | WEDNESDAY

Come experience top level experts debate controversial topics in both Basic and Translational and Public Policy science. Individual sessions on “Public Policy: Selflessness or Selfishness: What Philosophy Should Underpin Organ Donor Registration Initiatives?”, and “Basic & Translational: We Need Car T-cells to Effectively Desensitize High PRA Patients” will be presented.

Attendee Profile

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

ABSTRACT PRESENTATIONS

SATURDAY, SUNDAY, MONDAY, TUESDAY, WEDNESDAY

Learn about the latest research that is being done around the globe from your fellow attendees presented in a variety of formats.

Attendee Profile for All Abstract Presentations

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

Plenary Abstract Sessions

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

ATC’s People’s Choice Award

- ▶ At the end of each session, attendees will be given the opportunity to **VOTE** on which Plenary abstract presentation is the **MOST** impactful to the transplant community.
- ▶ The daily Plenary abstract winner will be selected to go head-to-head with other daily Plenary winners during the **ATC’s People’s Choice Award** session on Wednesday, June 8, 2022.
- ▶ Presenters will have the opportunity to once again prove why their abstract is the **MOST** impactful to the transplant community and discuss where the science will be in 10 years.
- ▶ A panel of experts will be on hand to ask questions.

ORAL ABSTRACT PRESENTATIONS

- ▶ Oral abstracts submitted through the ATC abstract submission are presented orally with time for questions from the audience at the end of each presentation.
- ▶ Sessions are designed with specific topic driven presentations.

POSTER PRESENTATIONS

- ▶ Poster abstracts presentations will be displayed daily in the exhibit hall for viewing throughout the day.
- ▶ Poster presenters will be in front of their boards to provide in-person presentations each evening during Poster Sessions A – D.
- ▶ Poster boards are grouped together in locations with specific topics of interest.

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.

ACCREDITATION

ATC provides CME, ANCC, ACPE, and ABTC credits/contact hours. Yearlong access allows you to take advantage more than 100 credits/contact hours available! 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 100 *AMA PRA Category 1 Credit(s)*[™]. Physicians should claim only the credit commensurate with the extent of participation in the activity.

STATE-OF-THE-ART SPEAKERS



PAUL I. TERASAKI STATE-OF-THE-ART LECTURE

Nancy Ascher, MD, PhD

University of California San Francisco

Professor of Surgery

Division of Transplant Surgery

Isis Distinguished Professor in Transplantation

**Presentation Title: United States' Role in
Global Transplantation**

Sunday, June 5, 2022 | 11:30 am – 12:00 pm ET

Dr. Nancy Ascher has devoted her career to organ transplantation and transplant research. She is the first woman to have performed a liver transplant and has inspired many women in the medical field, especially in transplantation. She completed her undergraduate and

medical education at the University of Michigan, Ann Arbor; and completed her general surgery residency and clinical transplantation fellowship at the University of Minnesota, where she later joined the faculty and became Clinical Director of the Liver Transplant Program. Dr. Ascher was recruited by the UCSF Department of Surgery and served as the Department Chair for 17 years.

Dr. Ascher is a fellow of the American College of Surgeons. She is a member of numerous other medical societies, including the Transplantation Society and the American Society of Transplant Surgeons, both of which she has served as President. She has also served on the Presidential Task Force on Organ Transplantation, Surgeon General's Task Force on Increasing Donor Organs, and Secretary of Health and Human Services Advisory Committee on Organ Transplantation. Dr. Ascher is currently a member of the WHO Taskforce on Donation and Transplantation of Human Organs and Tissues.



THOMAS STARZL STATE-OF-THE-ART LECTURE

Martine Rothblatt, PhD

Chairman/CEO/Founder, United Therapeutics Corp

**Presentation Title: Creating the 1st Life-Saving
Xenoheart Transplanted into a Person**

Tuesday, June 7, 2022 | 11:45 am – 12:15 pm ET

Martine Rothblatt is the Chairperson & CEO of United Therapeutics Corporation (UT). She started UT to save her youngest child's life from a rare illness after having previously created SiriusXM satellite radio and other satellite communications systems. She is also responsible for several innovations in aviation and architecture, including the design and piloting of an electric helicopter to Guinness world records and creating the world's largest zero carbon footprint

building. Her company is now saving hundreds of lives a year with medicines for pulmonary hypertension and neuroblastoma, and by restoring otherwise discarded donor lungs to transplantability. UT is also in pre-clinical development of manufactured kidneys, hearts and lungs to be delivered via autonomously flown electric vertical takeoff and landing (eVTOL) systems. Dr. Rothblatt led the efforts to create the first genetically-modified porcine hearts and kidneys transplanted into humans (xenotransplantation), resulting in a lifesaving xeno-heart transplant in January 2022.

Dr. Rothblatt earned her Ph.D. in Medical Ethics from the Royal London College of Medicine and Dentistry after earning JD and MBA degrees from UCLA, which also recently awarded her the UCLA Medal, its highest honor. She is an inventor on several patents and the author of several books, the most recent of which pertain to artificial cognition and cyber-consciousness.

MEETING-AT-A-GLANCE

The program schedule is built in Eastern Time Zone.

SATURDAY, JUNE 4, 2022

9:30 AM – 10:30 AM	In-Depth Symposia Part 1
10:30 AM – 11:00 AM	Break
11:00 AM – 12:00 PM	In-Depth Symposia Part 2
12:00 PM – 12:30 PM	Break
12:30 PM – 1:30 PM	Sponsored Satellite Symposia
1:30 PM – 2:00 PM	Break
2:00 PM – 3:00 PM	Late Breaking Clinical Trials Abstract Session
3:00 PM – 3:15 PM	Break
3:15 PM – 4:00 PM	Meet the Expert
4:00 PM – 4:30 PM	Break
4:30 PM – 5:15 PM	Meet the Expert
5:15 PM – 5:30 PM	Break
5:30 PM – 7:00 PM	Poster Session A
5:30 PM – 7:00 PM	Poster Chats Session 1
5:30 PM – 7:00 PM	Sponsor Networking
6:30 PM – 8:00 PM	ATC Women's Networking Event

SUNDAY, JUNE 5, 2022

7:00 AM – 8:00 AM	IMPACT Sessions
8:00 AM – 8:25 AM	Break
8:25 AM – 9:30 AM	Plenary Oral Abstract Session I
9:30 AM – 10:00 AM	Sponsor Networking
10:00 AM – 10:30 AM	AST Presidential Intro & Address
10:30 AM – 11:30 AM	AST Achievement Awards & Lifetime Achievement Awards
11:30 AM – 12:00 AM	State of the Art Lecture # 1
12:00 PM – 12:30 PM	Break
12:30 PM – 1:30 PM	Sponsored Satellite Symposia
1:30 PM – 2:00 PM	Break
2:00 PM – 3:00 PM	IMPACT Sessions
2:00 pm – 3:00 pm	Late Breaking COVID-19 Abstract Session
3:00 PM – 3:30 PM	Sponsor Networking
3:30 PM – 7:00 PM	Focus in Transplantation: Basic
3:30 PM – 5:00 PM	Rapid Fire Oral Abstract Sessions
5:00 PM – 5:30 PM	Sponsor Networking
5:30 PM – 7:00 PM	Rapid Fire Oral Abstract Sessions
5:30 PM – 7:00 PM	ASTS Town Hall
7:00 PM – 8:00 PM	Poster Session B
7:00 PM – 8:00 PM	Poster Chats Session 2
7:00 PM – 8:00 PM	Sponsor Networking

MONDAY, JUNE 6, 2022

7:00 AM – 8:00 AM	IMPACT Sessions
8:00 AM – 8:10 AM	Break
8:10 am – 9:15 am	Plenary Oral Abstract Session 2
9:15 am – 9:45 am	Sponsor Networking

9:45 AM – 10:15 AM	ASTS Presidential Introduction & Address
10:15 AM – 11:15 AM	ASTS Research Grants & Pioneer Award
11:15 AM – 12:30 PM	Innovations in Transplantation
12:30 PM – 12:45 PM	Break
12:45 PM – 1:45 PM	Sponsored Satellite Symposia
1:45 PM – 2:00 PM	Break
2:00 PM – 3:00 PM	IMPACT Sessions
3:00 PM – 3:30 PM	Sponsor Networking
3:30 PM – 7:00 PM	Focus in Transplantation: Translational
3:30 PM – 5:00 PM	Rapid Fire Oral Abstract Sessions
5:00 PM – 5:30 PM	Sponsor Networking
5:30 PM – 7:00 PM	Rapid Fire Oral Abstract Sessions
5:30 PM – 8:00 PM	AST Town Hall
7:00 PM – 8:00 PM	Poster Session C
7:00 PM – 8:00 PM	Poster Chats Session 3
7:00 PM – 8:00 PM	Sponsor Networking

TUESDAY, JUNE 7, 2022

7:00 AM – 8:00 AM	IMPACT Sessions
8:00 AM – 8:25 AM	Break
8:25 AM – 9:30 AM	Plenary Oral Abstract Session 3
9:30 AM – 10:00 AM	Sponsor Networking
10:00 AM – 11:00 AM	IMPACT Sessions
11:00 AM – 11:15 AM	Break
11:15 AM – 11:45 AM	AJT Awards
11:45 AM – 12:15 PM	State of the Art Lecture # 2
12:15 PM – 12:45 PM	Break
12:45 PM – 1:45 PM	Sponsored Satellite Symposia
1:45 PM – 2:00 PM	Break
2:00 PM – 3:00 PM	IMPACT Sessions
3:00 PM – 3:30 PM	Sponsor Networking
3:30 PM – 5:00 PM	Rapid Fire Oral Abstract Sessions
3:30 PM – 5:00 PM	Year in Review
5:00 PM – 5:30 PM	Sponsor Networking
5:30 PM – 7:00 PM	Rapid Fire Oral Abstract Sessions
7:00 PM – 8:00 PM	Poster Session D
7:00 PM – 8:00 PM	Poster Chats Session 4
7:00 PM – 8:00 PM	Sponsor Networking

WEDNESDAY, JUNE 8, 2022

7:00 AM – 8:00 AM	IMPACT Sessions
8:00 AM – 8:25 AM	Break
8:25 AM – 9:30 AM	Plenary Session 4
9:30 AM – 10:00 AM	ATC People's Choice Award
10:00 AM – 10:15 AM	Break
10:15 AM – 11:15 AM	Controversies in Transplantation
11:15 AM – 11:45 AM	Break
11:45 AM – 12:30 PM	What's Hot; What's New

Saturday, June 4, 2022

In-Depth Symposia
9:30 AM - 12:00 PM

Program Topic: Kidney

Overcoming Traditional Paradigms in Living Donation – When do we Loosen the Belt?

9:30 AM - 10:30 AM

Moderators:

Angie Nishio Lucar, MD, University of Virginia Medical Center, Charlottesville, VA, USA

Ellen Shukhman, RN-BC, BSN, CCTC, Cedars-Sinai Hospital - Comprehensive Transplant Center, Los Angeles, CA, USA

9:30 AM - 9:40 AM

The Great Unknown - Living Donors With History of Cancer "Not all Cancers are Made Equal - Medical Considerations When Evaluating Donors With Certain Cancer Histories"

Kymerly Watt, MD, Mayo Clinic, Rochester, MN, USA

9:40 AM - 9:50 AM

Can Obese Candidates Become Suitable Donors Through Weight Loss? Short- versus Long-term Considerations "It is Just a Few Pounds! Weight Loss to Ideal BMI Reverses Risk "

Minh-Tri Nguyen, MD PhD, Loma Linda University Health, Loma Linda, CA, USA

9:50 AM - 10:00 AM

Can Obese Candidates Become Suitable Donors Through Weight Loss? Short- Versus Long-Term Considerations "The Point of no Return: Once Obese, Always at Risk "

Ann Bugeja, MD, The Ottawa Hospital, Ottawa, ON, Canada

10:00 AM - 10:30 AM

Live Q&A

10:30 AM - 11:00 AM

Coffee Break

11:00 AM - 11:10 AM

Increased Scrutiny for all Altruistic Donors: The Ethicist,

Nephrologist and Patient Perspective "Ethical Point of View"

Katrina Bramstedt, PhD, MA, Cedars Sinai; Khalifa University College of Medicine & Health Sciences, Abu Dhabi, United Arab Emirates

11:10 AM - 11:20 AM

Increased Scrutiny For all Altruistic Donors: The Ethics, Nephrologist, Patient Perspective "Medical Point of View"
Alexander Wiseman, MD, Centura Transplant, Denver, CO, USA

11:20 AM - 11:30 AM

Anatomical Roadblocks to Safe Living Donation "Some Things Are Set in Stone: When to Say No!"

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

11:30 AM - 11:40 AM

APOL1 Genotyping in Living Donor Evaluation: Benefits and Appropriateness of Testing

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

11:40 AM - 12:00 PM

Live Q&A

Program Topic: Liver

Living Donor Liver Transplantation in the United States 2021 and Beyond

9:30 AM - 12:00 PM

Moderators:

Michelle Jesse, PhD, Henry Ford Health System, Detroit, MI, USA

AnnMarie Liapakis, MD, Yale School of Medicine, Digestive Disease, New Haven, CT, USA

9:30 AM - 9:40 AM

Policy

Matthew Cooper, MD, Medstar Georgetown Transplant Institute, Washington, DC, USA

9:40 AM - 9:50 AM

Special Considerations in Pediatric LDLT

Saeed Mohammad, MD, Northwestern University, Chicago, IL, USA



9:50 AM - 10:00 AM

Waitlist Candidate Selection & Engagement

Dianne Rudow, ANP-BC, DNP, CCTC, Recanti/Miller Transplantation Institute, Douglaston, NY, USA

10:00 AM - 10:30 AM

Live Q&A

10:30 AM - 11:00 AM

Coffee Break

11:00 AM - 11:10 AM

Safely Expanding the Donor Pool

Whitney Jackson, MD, University of Colorado, Aurora, CO, USA

11:10 AM - 11:20 AM

Optimizing Donor/Recipient Matching to Increase LDLT

Giuliano Testa, MD, FACS, MBA, Baylor University Medical Center, Dallas, TX, USA

11:20 AM - 11:30 AM

Training and Program Development

Mark Sturdevant, MD, MSc, University of Washington, Seattle, WA, USA

11:30 AM - 11:40 AM

Current Status of LDLT in the US

Tarunjeet Klair, M.D., University of Texas Health San Antonio, San Antonio, TX, USA

11:40 AM - 12:00 PM

Live Q&A

Program Topic: Heart & Lung

Donation After Circulatory Death in Heart and in Lung Transplantation – The When, How and Why?

9:30 AM - 12:00 PM

Moderators:

Hannah Copeland, MD, Lutheran Hospital of Indiana/Indiana University School of Medicine Fort Wayne, Fort Wayne, IN, USA

Jignesh Patel, MD, PhD, Cedars-Sinai Heart Institute, Los Angeles, CA, USA

9:30 AM - 9:40 AM

DCD in Heart Transplantation – What’s the Fuss All About?

Maryjane Farr, MD, MSc, University of Texas Southwestern Medical Center, Dallas, TX, USA

9:40 AM - 9:50 AM

Debate: Hands Down, NRP Is The Way To Go!

Pedro Catarino, MD, Cedars-Sinai, Los Angeles, CA, USA

9:50 AM - 10:00 AM

Debate: Let me be Direct - DPP Is the Future of DCD

Benjamin Bryner, M.D., Duke University Health System, Durham, NC, USA

10:00 AM - 10:30 AM

Live Q&A

10:30 AM - 11:00 AM

Coffee Break

11:00 AM - 11:10 AM

DCD Lung Transplantation: How We Got to Where We are Today

Matthew Hartwig, MD, Duke University, Durham, NC, USA

11:10 PM - 11:20 PM

How Non-perfused DCD Lung Donation Adds to the Donor Pool

Benjamin Haithcock, MD, University of North Carolina, Chapel Hill, NC, USA

11:20 AM - 11:30 AM

The State of Uncontrolled DCD Lung Transplantation From Around the World

Thomas Egan, MD, MSc., UNC at Chapel Hill, Chapel Hill, NC, USA

11:30 AM - 12:00 PM

Live Q&A

Program Topic: Pharmacy

Transplant Pharmacy in 2022 and Beyond: Strategies to Optimize Performance Metrics and Characterize Pharmacist Activities Across the Transplant Continuum



9:30 AM - 12:00 PM

Moderators:

Tiffany Kaiser, PharmD, University of Cincinnati, Cincinnati, OH, USA

April Pottebaum, PharmD, BCPS, Barnes-Jewish Hospital, St. Louis, MO, USA

9:30 AM - 9:40 AM

More Than a Checkbox: Transplant Pharmacy Metrics in the Pre- and Peri-Transplant Setting

Mary Chandran, PharmD, CPP, UNC Hospitals, Chapel Hill, NC, USA

9:40 AM - 9:50 AM

Beyond the Basics: Emerging and Novel Transplant Pharmacy Metrics in the Acute Care Setting

Lyndsey Bowman, PharmD, Tampa General Hospital, Tampa, FL, USA

9:50 AM - 10:00 AM

More than A1c: Metrics and Scorecards in the Transplant Ambulatory Setting

Danielle Lazear, PharmD, BCPS, Cincinnati Children's Hospital, Cincinnati, OH, USA

10:00 AM - 10:30 AM

Live Q&A

10:30 AM - 11:00 AM

Coffee Break

11:00 AM - 11:10 AM

Building the Dream Team: Expanding Transplant Pharmacy Services

Tracy Sparkes, PharmD, BCTXP, University of Maryland Medical Center, Baltimore, MD, USA

11:10 AM - 11:20 AM

Going Beyond the Basics: Expanding the Role of the Pharmacist to Research and QAPI Roles

Tiffany Kaiser, PharmD, University of Cincinnati, Cincinnati, OH, USA

11:20 AM - 11:30 AM

Priming Pharmacy Learners and New Practitioners to Become Pharmacy Leaders

Jennifer Trofe-Clark, Pharm D, Hospital of the University of Pennsylvania, Philadelphia, PA, USA

11:30 AM - 12:00 PM

Live Q&A

Program Topic: ID

Deep Dive Into Transplant Infectious Diseases

9:30 AM - 12:00 PM

Moderators:

Aruna Subramanian, MD, Stanford University, Stanford, CA, USA

Maheen Abidi, MBBS, University of Colorado Denver, Denver, CO, USA

9:30 AM - 9:40 AM

We Didn't Start the Fire: MDRO Outbreaks and Epidemiology in Transplantation

Arthur Baker, MD, MPH, Duke University School of Medicine, Durham, NC, USA

9:40 AM - 9:50 AM

Local Goes Global and Back: Outbreaks

Clarisse Machado, MD PhD, Institute of Tropical Medicine - University of São Paulo School of Medicine, São Paulo, Brazil

9:50 AM - 10:00 AM

Local Goes Global and Back: Public Health Emergencies

Sridhar Basavaraju, MD, CDC, Atlanta, GA, USA

10:00 AM - 10:10 AM

Local Goes Global and Back: Nosocomial Infections

Marcus Pereira, MD, MPH, Columbia University Irving Medical Center, New York, NY, USA

10:10 AM - 10:30 AM

Live Q&A

10:30 AM - 11:00 AM

Coffee Break

11:00 AM - 11:10 AM

Learning in a Pandemic: Antimicrobial Stewardship Challenges

Erica Stohs, MD, MPH, University of Nebraska Medical Center, Omaha, NE, USA

11:10 AM - 11:20 AM

Learning in a Pandemic: Collaboration

Maricar Malinis, MD, Yale School of Medicine, New Haven, CT, USA

10:00 AM - 10:30 AM
 Live Q&A

11:20 AM - 11:30 AM
 Learning in a Pandemic: Preparedness

Atul Humar, MD, MSC, Toronto General Hospital, Toronto, ON, Canada

10:30 AM - 11:00 AM
 Coffee Break

11:30 AM - 11:40 AM
 Learning in a Pandemic: Trial Design

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

11:00 AM - 11:10 AM
 Consensus: Eligibility and Timing of SOT in Patients with Hematologic Malignancies and Post-transplant Surveillance

Thomas Habermann, M.D., Mayo Clinic, Rochester, MN, USA

11:40 AM - 12:00 PM
 Live Q&A

Program Topic: Other

Summary of the Findings and Recommendations of the 2019 AST Consensus Conference “Pre-Existing Malignancy and Transplantation”

11:10 AM - 11:20 AM
 Consensus: Eligibility and Timing of SOT in Patients with Melanoma and Post-transplant Surveillance:
Fiona Zwald, MD, Dermatology Associates of Northeast Georgia, Atlanta, GA, USA

9:30 AM - 12:00 PM

Moderators:

David Al Adra, MD, PhD, University of Wisconsin, Madison, WI, USA

Christopher Blosser, MD, University of Washington Department of Medicine, Nephrology Division, Seattle, WA, USA

11:20 AM - 11:30 AM
 Immunosuppression Effects on the Mechanism and Proliferation of Malignancy. Epidemiologic Evidence of Outcomes and Cancer Recurrence in SOT Recipients With Pre-existing Malignancy. What We Know and What Information We Need.
Eric Engels, MD, National Cancer Institute, Bethesda, MD, USA

9:30 AM - 9:40 AM

Consensus: Eligibility and Timing of SOT in Patients with Colorectal Malignancies and Post-transplant Surveillance

David Foley, MD, University of Wisconsin, Madison, WI, USA

11:30 AM - 11:40 AM
 Future Directions - Mitigating the Effects of Malignancy in SOT Recipients and Pearls for Minimizing Cancer Risk
E. Steve Woodle, MD, University of Cincinnati Medical Center, Cincinnati, OH, USA

9:40 AM - 9:50 AM

Consensus: Eligibility and Timing of SOT in Patients with Lung Malignancy and Post- Transplant Surveillance

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

11:40 AM - 12:00 PM
 Live Q&A

Program Topic: Pediatric

Pediatric to Adult Transition of Care - A Task Worthy of Sisyphus?

9:50 AM - 10:00 AM

Consensus: Eligibility and Timing of SOT in Patients with Breast Cancer and Post-transplant Surveillance

Kymerly Watt, MD, Mayo Clinic, Rochester, MN, USA

9:30 AM - 12:00 PM

Moderators:

Lindsay King, MD, MPH, Duke University, Durham, NC, USA

Song Ong, MD, UAB, Birmingham, AL, USA



9:30 AM - 9:40 AM

All is Not Lost- Resources for Transition - Review of Best Practices and Resources to Guide the Process

Patience White, MD, MA, MACP, MACR, FAAP, Got Transition, Bethesda, MD, USA

9:40 AM - 9:50 AM

Developmental Considerations and High-risk Behaviors Surrounding Emerging Adulthood

Jennifer Vittorio, MD, Columbia University Medical Center, New York, NY, USA

9:50 AM - 10:00 AM

Outcomes Measures of Successful Health Care Transition and Approach to Retransplantation

Juliet Emamullee, MD PhD, University of Southern California, Los Angeles, CA, USA

10:00 AM - 10:10 AM

This is How We Do it in Pediatrics: Lessons from the Real World

Ana Catalina Alvarez Elias, MD, MSc, The Hospital for Sick Children, Toronto, ON, Canada

10:10 AM - 10:30 AM

Live Q&A

10:30 AM - 11:00 AM

Coffee Break

11:00 AM - 11:10 AM

The Current State of Health Care Transition from the Adult Perspective: Practices, Barriers, and Outcomes

Josh Levitsky, MD, MS, Northwestern University Feinberg School of Medicine, Chicago, IL, USA

11:10 AM - 11:20 AM

Health Care Transition from the Patient and Family Perspective

Julie Osborn, MD, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA

11:20 AM - 11:30 AM

A Framework for Transition of Care and the Transition Clinic

Beverly Kosmach-Park, DNP, RN, FAAN, Children's Hospital of Pittsburgh, Pittsburgh, PA, USA

11:30 AM - 11:40 AM

Continuation of Health Care Transition Following Transfer of Care

Hilda Fernandez, MD, MSCE, Columbia University Medical Center, New York, NY, USA

11:40 AM - 12:00 PM

Live Q&A

Program Topic: Professional Development & Advanced Practice Provider

Building Tomorrow's Leaders – A Path Towards a Leadership Role in Transplantation

9:30 AM - 12:00 PM

Moderators:

Anshul Bhalla, MD, University of Tennessee Health Science Center, Memphis, TN, USA

Manpreet Samra, MD, MBA, Hines VA Kidney Transplant Program, Hines, IL, USA

9:30 AM - 9:40 AM

Medical Director - How to do it Right

Deborah Adey, M.D., UCSF, San Francisco, CA, USA

9:40 AM - 9:50 AM

Giving a New Lease to a Kidney Transplant Program

Uttam Reddy, MD, UC Irvine, Huntington Beach, CA, USA

9:50 AM - 10:00 AM

The Ins and Outs of a Kidney Transplant Program: Everything a Medical Director Needs to Know

Geraldine Zingraf, DNP, MBA, RN, CNN, CCTC, Edward Hines Jr. VA Hospital, Hines, IL, USA

10:00 AM - 10:30 AM

Live Q&A

10:30 AM - 11:00 AM

Coffee Break

11:00 AM - 11:10 AM

The Pharmacy Perspective - Current Training and Roles of Pharmacy in Transplantation and Transplant Infectious Diseases and How to Improve Pharmacy Utilization

Jennifer Byrns, PharmD, Duke University Hospital, Durham, NC, USA

11:10 AM - 11:20 AM

Building Tomorrow's Leaders: The APP Perspective
Katherine Klingenberg, PA-C, MMS, University of Colorado, Aurora, CO, USA

11:20 AM - 11:30 AM

Improving Program Success with the Collaboration of Physicians, APPs, and Pharmacists
Kimberly Wescoe, PA-C, CAQ-Nephrology, Duke University Hospital, Durham, NC, USA

11:30 AM - 12:00 PM

Live Q&A

Program Topic: Basic Science / Immunology & Translational

Aging

9:30 AM - 12:00 PM

Moderators:

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

David Rothstein, MD, Thomas E Starzl Transplant Institute, Pittsburgh, PA, USA

9:30 AM - 9:40 AM

Age-Associated B Cells: A T-bet-Dependent Effector with Roles in Protective and Pathogenic Immunity
To Be Determined

9:40 AM - 9:50 AM

Aging and the Immune Response to Organ Transplantation

Hamid Rabb, MD, Johns Hopkins University School of Medicine, Baltimore, MD, USA

9:50 AM - 10:00 AM

Remodeling of the Immune Response with Aging: Immunosenescence and Its Potential Impact on COVID-19 Immune Response

Leonardo Riella, MD, PhD, Harvard Medical School, Boston, MA, USA

10:00 AM - 10:10 AM

Aging Immune System and Organ Senescence

Laura Niedernhofer, MD, PhD, University of Minnesota, Minneapolis, MN, USA

10:10 AM - 10:30 AM

Live Q&A

10:30 AM - 11:00 AM

Coffee Break

11:00 AM - 11:10 AM

Aged Hematopoietic Stem Cells are Refractory to Bloodborne Systemic Rejuvenation Interventions
To Be Determined

11:10 AM - 11:20 AM

Senolytics Prevent mt-DNA-Induced Inflammation and Promote the Survival of Aged Organs Following Transplantation

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

11:20 AM - 11:30 AM

Role of Mitochondrial Stress in Metabolic T Cell Exhaustion

Greg Delgoffe, Ph.D, University of Pittsburgh, Pittsburgh, PA, USA

11:30 AM - 11:40 AM

The Mitochondrial Basics of Aging

Samir Parikh, MD, UT Southwestern Medical Center, Dallas, TX, USA

11:40 AM - 12:00 PM

Live Q&A

Break

12:00 PM - 12:30 PM

Satellite Symposia

12:30 PM - 1:30 PM

Program Topic: All Topics

Sponsored Satellite Symposia

Break

1:30 PM - 2:00 PM

Late Breaking Clinical Trials Oral Abstract Session

2:00 PM - 3:00 PM

Program Topic: All Topics

Late Breaking: Clinical Trials

2:00 PM - 3:00 PM

Moderators:

Matthew Levine, MD, PhD, University of Pennsylvania, Philadelphia, PA, USA

Sandy Feng, MD, PhD, University of California San Francisco, San Francisco, CA, USA

2:00 PM - 2:10 PM

Results Of The Ctot19 Trial: Infliximab (IFX) Induction Does Not Impact 2-year Outcomes In Deceased Donor Kidney Transplant Recipients

P. Heeger¹, B. Armstrong², T. Alhamad³, D. Brennan⁴, J. Bromberg⁵, S. Bunnapradist⁶, S. Chandran⁷, R. Fairchild⁸, D. Foley⁹, R. Formica¹⁰, I. W. Gibson¹¹, D. Hricik¹², K. Kesler², R. B. Mannon¹³, M. Menon¹⁰, K. Newell¹⁴, P. Nickerson¹¹, J. Odum¹⁵, E. Poggio⁸, R. Sung¹⁶, R. Shapiro¹, K. Tinkam¹⁷, F. Vincenti⁷, ¹Mount Sinai, New York, NY, ²Rho, Durham, NC, ³Washington U, Saint Louis, MO, ⁴Johns Hopkins, Baltimore, MD, ⁵U Maryland, Baltimore, MD, ⁶UCLA, Los Angeles, CA, ⁷UCSF, San Francisco, CA, ⁸Cleveland Clinic, Cleveland, OH, ⁹U Wisconsin, Madison, WI, ¹⁰Yale, New Haven, CT, ¹¹U Manitoba, Winnipeg, MB, Canada, ¹²U Hosp Case, Cleveland, OH, ¹³U Nebraska, Omaha, NE, ¹⁴Emory, Atlanta, GA, ¹⁵NIAID NIH, Rockville, MD, ¹⁶U Michigan, Ann Arbor, MI, ¹⁷U Hlth Network, Toronto, ON, Canada

2:10 PM - 2:20 PM

Ex Vivo End Ischemic Hypothermic Oxygenated Perfusion (hope) Versus Static Cold Storage Prior To Liver Transplantation - Preliminary Results Of The Bridge To Hope Pivotal Multicenter Randomized Controlled Clinical Trial On The Safety And Effectiveness Of The Vitasmart Liver Machine Perfusion System (clinicaltrials.gov: Nct05045794)

D. J. Reich¹, A. Schlegel², M. Rizzari³, D. Foley⁴, M. DeVera⁵, W. Chapman⁶, G. Roll⁷, A. Saharia⁸, C. Quintini⁹, S. Florman¹⁰, S. Merani¹¹, S. Mao¹², A. Pinna¹³, M. Akoad¹⁴, C. Kubal¹⁵, S. Alexopoulos¹⁶, H.

Bohorquez¹⁷, ¹Drexel University, Philadelphia, PA, ²Careggi U, Florence, Italy, ³Henry Ford, Detroit, MI, ⁴U Wisconsin, Madison, WI, ⁵Loma Linda, Loma Linda, CA, ⁶Washington U, Saint Louis, MO, ⁷UCSF, SF, CA, ⁸Methodist, Houston, TX, ⁹Cleveland Clinic, Cleveland, OH, ¹⁰Mount Sinai, NY, NY, ¹¹U Nebraska, Omaha, NE, ¹²Mayo, Jacksonville, FL, ¹³Cleveland Clinic, Weston, FL, ¹⁴Lahey, Burlington, MA, ¹⁵Indiana U, Indianapolis, IN, ¹⁶Vanderbilt, Nashville, TN, ¹⁷Ochsner, New Orleans, LA

2:20 PM - 2:30 PM

A Randomized Phase 2 Study Of Mau868 Vs Placebo To Treat Bk Viremia In Kidney Transplant Recipients

S. Jordan¹, A. P. Limaye², B. Fischbach³, P. Sood⁴, S. Collette⁵, L. Gasink⁶, M. W. Fordyce⁷, C. J. Lin⁷, M. Hodges⁶, D. C. Brennan⁸, ¹Cedars-Sinai Medical Center, Los Angeles, CA, ²University of Washington, Seattle, WA, ³Dallas Nephrology Associates, Inc, Dallas, TX, ⁴University of Pittsburgh Medical Center, Pittsburgh, PA, ⁵Hôpital Maisonneuve-Rosemont, Montréal, QC, Canada, ⁶previous employee/consultant for Amplyx Pharmaceuticals, San Diego, CA, ⁷Vera Therapeutics, Inc, Brisbane, CA, ⁸Johns Hopkins School of Medicine, Baltimore, MD

2:30 PM - 2:40 PM

Single Blind Randomized Controlled Trial Comparing BNT162b2 Vs JNJ-78436735 Vaccine As An Additional Dose After Two Doses Of BNT162b2 Vaccine In Solid Organ Transplant (SOT) Recipients

Y. Natori¹, E. Martin², A. Mattiazzini³, J. Bini Viotti¹, K. S. Ortecho⁴, S. Pallikkuth⁵, S. Anjan¹, J. Simkins¹, G. Guerra³, ¹Department of Medicine, Division of Infectious Diseases, University of Miami, Miami, FL, ²Department of Medicine, Division of Hepatology, University of Miami, Miami, FL, ³Department of Medicine, Division of Nephrology, University of Miami, Miami, FL, ⁴Miami Transplant Institute, Jackson Health System, Miami, FL, ⁵University of Miami, Miami, FL

2:40 PM - 2:50 PM

Tacrolimus After Rabbit Antithymocyte Globulin And Infliximab Induction Immunosuppression In Kidney Transplantation

O. Viklicky¹, G. Bold², O. Bestard³, P. Hrubá¹, I. Zahradka¹, N. M. Otto², M. Stein², A. Sefrin², S. Christakoudi⁴, P. M. Reinke², ¹Institute for Clinical and Experimental Medicine, Prague, Czech Republic,

²Charité, Berlin, Germany, ³Vall d'Hebron, Barcelona, Spain, ⁴King's College, London, United Kingdom

Break

3:00 PM - 3:15 PM

Meet the Expert Sessions

3:15 PM - 4:00 PM

Program Topic: Heart

Consideration of Durable MCS Versus Transplantation in Patients Who are Marginal Transplant Candidates

3:15 PM – 3:35 PM

Consideration of Durable MCS Versus Transplantation in Patients Who are Marginal Transplant Candidates
Christian Bermudez, Professor of Surgery, Hospital of the University of Pennsylvania, Philadelphia, PA, USA

3:15 PM – 3:35 PM

Consideration of Durable MCS Versus Transplantation in Patients Who are Marginal Transplant Candidates
Jon Kobashigawa, MD, Cedars-Sinai Smidt Heart Institute, Los Angeles, CA, USA

3:35 PM - 4:00 PM

Live Q&A

Program Topic: Pediatric

Technically Challenging Cases in Pediatric Abdominal Transplantation: Pearls and Pitfalls

3:15 PM - 4:00 PM

Moderators:

Sarah Bellemare, MD, Montefiore Medical Center, Bronx, NY, USA

Christine Hwang, MD, University of Texas Southwestern Medical Center at Dallas, Dallas, TX, USA

3:15 PM - 3:25 PM

Case I: Technical Challenges of Low Portal Vein Flow in Pediatric Liver Transplantation

Clark Bonham, MD, Stanford University Medical Center,

Palo Alto, CA, USA

3:25 PM - 3:30 PM

Case I: Technical Challenges of Low Portal Vein Flow in Pediatric Liver Transplantation - Expert

Srinath Chinnakotla, MD, University of Minnesota, Edina, MN, USA

3:30 PM - 3:35 PM

Live Q&A

3:35 PM - 3:45 PM

Case II: Infant Kidney with IVC Thrombosis, Vascular Anastomosis: How to Choose the Site for Vascular Anastomosis

Bhargava Mullapudi, MD, Children's Mercy Hospital, Kansas City, MO, USA

3:45 PM - 3:50 PM

Case II: Infant Kidney with IVC Thrombosis, Vascular Anastomosis: How to Choose the Site for Vascular Anastomosis - Expert

Jaimie Nathan, MD, Nationwide Children's Hospital, Columbus, OH, USA

3:50 PM – 4:00 PM

Live Q&A

Program Topic: Professional Development

Looking Under the Hood of High Impact Research: From Idea to AJT Publication

3:15 PM - 4:00 PM

Moderators:

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

Deepika Devuni, UMass Memorial Health Care, Worcester, MA, USA

3:15 PM - 3:20 PM

Welcome and How to Get Published in AJT

Sandy Feng, MD, PhD, University of California San Francisco, San Francisco, CA, USA

3:20 PM - 3:30 PM

Editorial Fellowship: How to Get Involved as a Trainee and Young Faculty



Samira Farouk, MD, MS, FASN, Icahn School of Medicine at Mount Sinai, New York, NY, USA

3:30 PM - 3:40 PM

High Impact Journal Presentation 1: Kidney Transplant Candidacy Evaluation and Waitlisting Practices in the US and Their Association with Access to Transplantation

Brian Lee, MD, Dell Seton Medical Center, UT Austin, Austin, TX, USA

3:40 PM - 3:50 PM

High Impact Journal Presentation 2: Lung Transplantation After Ex Vivo Lung Perfusion Versus Static Cold Storage: An Institutional Cost Analysis

Samantha Halpern, MD, MHS, Duke University School of Medicine, Durham, NC, USA

3:50 PM - 4:00 PM

Live Q&A

Program Topic: Lung

CLAD: It's a New World: Or Is It?

3:15 PM - 4:00 PM

Moderators:

Deborah Levine, MD, University of Texas, San Antonio, TX, USA

Annette Jackson, PhD, Duke University, Durham, NC, USA

3:15 PM - 3:25 PM

Traditional and Novel Predictors of CLAD

Joshua Diamond, MD, MSCE, University of Pennsylvania, Philadelphia, PA, USA

3:25 PM - 3:35 PM

Treatment of CLAD - What Works and What Does Not

Laurie Snyder, MD, MHS, Duke University, Durham, NC, USA

3:35 PM - 4:00 PM

Live Q&A

Program Topic: Public Policy & Regulatory

The Great Debate: Islets as a Biologic or an Organ for Transplant. Time for an Answer!

3:15 PM - 4:00 PM

Moderators:

Giulio Romeo, MD, Joslin Diabetes Center; Beth Israel Deaconess Medical Center, Boston, MA, USA

Robert Harland, MD, University of Arizona College of Medicine, Tucson, AZ, USA

3:15 PM - 3:25 PM

The Past, Present and Future of Islet Transplantation

Ronald Parsons, MD, Emory University School of Medicine, Atlanta, GA, USA

3:25 PM - 3:35 PM

Islets are a Biologic and Should be Regulated Solely by the FDA

David Harlan, MD, University of Massachusetts Chan School of Medicine, Worcester, MA, USA

3:35 PM - 3:45 PM

If it Demands Immunosuppression, It's a Transplant and the OPTN Should Monitor

Piotr Witkowski, MD, PhD, University of Chicago Medicine, Chicago, IL, USA

3:45 PM - 4:00 PM

Live Q&A

Program Topic: ID

Learning Through Lived Experience: The Value of Perspectives from Transplant Recipient-Physicians

3:15 PM - 4:00 PM

Moderators:

Robert Montgomery, MD, FACS, DPhil, NYU Langone Transplant Institute, New York, NY, USA

Silke Niederhaus, MD, University of Maryland School of Medicine, Baltimore, MD, USA

3:15 PM - 3:25 PM

Considerations for Immunosuppressed Healthcare Workers During the COVID19 Pandemic

Ken Sutha, MD, PhD, Stanford University School of Medicine, Palo Alto, CA, USA

3:25 PM - 3:35 PM

Why Delay Vaccine Trials in Transplant Patients?

Trine Engebretsen, MD, University of Texas Medical Branch, Galveston, TX, USA

3:35 PM - 4:00 PM
 Live Q&A

National Kidney Donation Organization, West Babylon, NY, USA

Program Topic: Other

The Current State of Cancer & Transplantation

3:15 PM - 4:00 PM

Moderators:

Eric Engels, MD, National Cancer Institute, Bethesda, MD, USA

Germaine Wong, MBBS PhD FRACP, University of Sydney, Sydney, Australia

3:15 PM - 3:25 PM

Risks and Outcomes of Cancers in Transplant Recipients

Chris Blosser, MD, University of Washington, Seattle, WA, USA

3:25 PM - 3:35 PM

Screening Recommendations and Waiting Time for Transplant Candidates with History of Cancer

David Al Adra, MD, PhD, University of Wisconsin, Madison, WI, USA

3:35 PM - 3:45 PM

Cancer Immunotherapies and the Patient Experience in Organ Transplant Recipients with Cancer

Naoka Murakami, MD PhD, Brigham and Women's Hospital, Boston, MA, USA

3:45 PM - 4:00 PM

Live Q&A

Program Topic: Kidney

POV: The Living Donor Experience

3:15 PM - 4:00 PM

Moderators:

Vineeta Kumar, M.D., University of Alabama in Birmingham, Birmingham, AL, USA

Elizabeth Verna, MD, MS, Columbia University, New York, NY, USA

3:15 PM - 3:25 PM

POV: The Living Donor Experience

Michael Lollo, President/Living Kidney Donor,

3:25 PM - 3:35 PM

Covering the Gaps: National Kidney Donor Organization

Edwin Brooks, CEO & Founder, National Kidney Donation Organization, Norwalk, CT, USA

3:35 PM - 3:45 PM

Covering the Gaps: AST Living Donor Circle of Excellence

John Gill, MD, MS, University of British Columbia, Vancouver, BC, Canada

3:45 PM - 3:55 PM

Covering the Gaps: National Living Donor Assistance Center

Amit Mathur, MD MS FACS, Mayo Clinic in Arizona, Phoenix, AZ, USA

3:55 PM - 4:00 PM

Live Q&A

Program Topic: Advanced Practice Provider

Improving Access and Ensuring Successful Outcomes in the Undocumented Immigrant Pediatric Population

3:15 PM - 4:00 PM

Moderators:

Caron Burch, RN, MSN, FNP, CCTC, Lucile Packard Children's Hospital Stanford, Redwood City, CA, USA

Laura Stillion, MHA, The Ohio State University Medical Center, Columbus, OH, USA

3:15 PM - 3:25 PM

Improving Access and Ensuring Successful Outcomes in the Undocumented Immigrant Pediatric Population

Marilyn McEnhill, MSN, NP, UCSF Benioff Children's Hospital, San Francisco, CA, USA

3:25 PM - 3:35 PM

Improving Access and Ensuring Successful Outcomes in the Undocumented Immigrant Pediatric Population

Jessica Brennan, NP, MSN, UCSF, San Francisco, CA, USA

3:35 PM - 4:00 PM

Live Q&A

Break

4:00 PM - 4:30 PM

Meet the Expert Sessions

4:30 PM - 5:15 PM

Program Topic: Professional Development

Promoting Equity for Women in Healthcare

4:30 PM - 5:15 PM

Moderators:

Christina Klein, MD, Piedmont, Atlanta, GA, USA

Nicole Alvey, PharmD, BCTXP, FAST, Rush University Medical Center, Chicago, IL, USA

4:30 PM - 4:40 PM

Promoting Equity for Women in Healthcare

Vineeta Kumar, MD, University of Alabama at Birmingham, Birmingham, AL, USA

4:40 PM - 4:50 PM

Promoting Equity for Women in Healthcare

Ersilia DeFilippis, MD, Columbia University Medical Center, New York, NY, USA

4:50 PM - 5:15 PM

Live Q&A

Program Topic: ID

When Standard Therapies Fail: Turn to Phage and Adopt T Cell Therapies

4:30 PM - 5:15 PM

Moderators:

Daniel Kaul, MD, University of Michigan, Ann Arbor, MI, USA

Sarah Taimur, MD, Mount Sinai Medical Center, New York, NY, USA

4:30 PM - 4:40 PM

New Kid on the Block: Phage Therapies for MDROs

Saima Aslam, MD, MS, UCSD, San Diego, CA, USA

4:40 PM - 4:50 PM

New Kids on the Block: Novel Therapies for MDROs

Ghady Haidar, University of Pittsburgh Medical Center, Pittsburgh, PA, USA

4:50 PM - 5:15 PM

Live Q&A

Program Topic: Liver

Finding Room to Breathe: Liver Disease and Transplantation in Cystic Fibrosis

4:30 PM - 5:15 PM

Moderators:

Lindsay King, MD, MPH, Duke University, DURHAM, NC, USA

Ryan Fischer, MD, Children's Mercy Kansas City, Kansas City, MO, USA

4:30 PM - 4:40 PM

Cystic Fibrosis and Its Comorbidities: Defining Disease in Children and Adults

Joshua Blatter, MD, MPH, Washington University School of Medicine in St. Louis, St. Louis, MO, USA

4:40 PM - 4:50 PM

Impact of Nutritional Status on Pediatric and Adult CF Patients Undergoing Liver Transplant

Daniel Leung, MD, Baylor College of Medicine/Texas Children's Hospital, Houston, TX, USA

4:50 PM - 5:15 PM

Live Q&A

Program Topic: Pancreas & Liver

3D Bioprinting – Perspectives of Clinical Application

4:30 PM - 4:50 PM

3D Bioprinting - Perspectives of Clinical Application

Michal Wszola, PhD, Foundation of Research and Science Development, Warsaw, Poland

4:30 PM - 4:50 PM

3D Bioprinting - Perspectives of Clinical Application

Ibrahim Ozbolat, Professor, Penn State University, University Park, PA, USA

4:50 PM - 5:15 PM
 Live Q&A

Program Topic: Psychosocial & Ethics

Galvanizing the Transplant Professional Community to Address Racism and Racial Disparities in Transplantation

4:30 PM - 5:15 PM

Moderators:

Velma Scantlebury, MD, FACS, Texas Christian University, Newark, MA, USA

Andre Dick, MD, MPH, Seattle Children's Hospital and University of Washington, Seattle, WA, USA

4:30 PM - 4:40 PM

ASTS Diversity, Equity, and Inclusion Committee Key Initiatives to Address Disparities in Transplantation

Tanjala Purnell, PhD, MPH, Johns Hopkins University, Baltimore, MD, USA

4:40 PM - 4:50 PM

ASTS Boldly Against Racism Task Force Key Initiatives to Address Racism in Transplantation

Dinee Simpson, MD, Northwestern University, Chicago, IL, USA

4:50 PM - 5:00 PM

AST Inclusion, Diversity, Equity, and Access to Life (IDEAL) Task Force Key Initiatives to Promote Equity in Transplantation

Silas Norman, MD, MPH, University of Michigan Medical Center, Ann Arbor, MI, USA

5:00 PM - 5:15 PM

Live Q&A

Program Topic: Pediatric & ID

Persistent Epstein-Barr Virus infection: Will the Despair Ever Dissipate?

4:30 PM - 5:15 PM

Moderators:

Priya Verghese, MBBS (MD), MPH, Northwestern University, Feinberg School of Medicine, Chicago, IL, USA

Upton Allen, MBBS, MSc, FAAP, University of Toronto, Toronto, ON, Canada

4:30 PM - 4:40 PM

Understanding a Positive EBV DNA Test Result Under WHO Standard and International Units

Michael Green, MD, MPH, FAST, FIDSA, UPMC Children's Hospital of Pittsburgh, Pittsburgh, PA, USA

4:40 PM - 4:50 PM

Clinical Conundrums with Persistent EBV Infection at Retransplant Evaluation

Priya Verghese, MD, MPH, Northwestern University, Ann & Robert H Lurie Children's Hospital, Chicago, IL, USA

4:50 PM - 5:15 PM

Live Q&A

Program Topic: Other

The Recipient Experience: Real World Challenges POV

4:30 PM - 5:15 PM

Moderators:

Ronald Gill, Ph.D., University of Colorado Denver, Aurora, CO, USA

Molly McCarthy, NA, Redmond, WA, USA

4:30 PM - 4:40 PM

Understand the Daily Challenges of Long-term Immunosuppression from the Patient POV: Coping with Long-term Immunosuppression

Edward Drake II, Pediatric Adherence Executive & Kidney Recipient, YNOTT? Foundation, Atlanta, GA, USA

4:40 PM - 4:50 PM

The "Gratitude Effect" and its Impacts on Honest Patient Dialogue and Innovation

Calvin Henry, AST TCAC, NA, Atlanta, GA, USA

4:50 PM - 5:00 PM

Practices and Culture: Impacting YOUR Patients' Experience

Lisa Cantwell, MHA, CPHQ, The University of Iowa Hospitals and Clinics, Kyle, TX, USA

5:00 PM - 5:15 PM
 Live Q&A

Program Topic: Advanced Practice Provider

When the Provider Becomes the Patient: Lessons Learned as a Transplant Recipient and Donor

4:30 PM - 5:15 PM

Moderators:

Elaine Lander, MSN, CRNP, University of Pennsylvania, Philadelphia, PA, USA

Fanny Gallant, ACNP-BC, Jackson Memorial Hospital, Miami, FL, USA

4:30 PM - 4:40 PM

When the Provider Becomes the Patient: Lessons Learned as a Transplant Recipient and Donor

Laura Butler, MSN MMHC FNP-BC, Montefiore Einstein Center for Transplantation, New York, NY, USA

4:40 PM - 4:50 PM

When the Provider Becomes the Patient: Lessons Learned as a Transplant Recipient and Donor

Toni Bowling, MSN, APRN, FNP-C, Dartmouth-Hitchcock Medical Center, Lebanon, NH, USA

4:50 PM - 5:15 PM

Live Q&A

Break

5:15 PM - 5:30 PM

Poster Session A

5:30 PM - 7:00 PM

Program Topic: All Topics

Poster Session A Presenters in Attendance

- **Administrative:** Quality Assurance Process Improvement & Regulatory Issues
- **Basic Science / Immunology:** Acute Rejection
- **Basic Science / Immunology:** Tissue Engineering and Regenerative Medicine

- **Basic Science / Immunology:** Ischemia Reperfusion
- **Basic Science / Immunology:** Chronic Organ Rejection
- **ID:** All Infections (Excluding Kidney & Viral Hepatitis) I
- **Kidney:** Deceased Donor Allocation
- **Kidney:** Deceased Donor Selection
- **Kidney:** Cardiovascular and Metabolic Complications
- **Kidney:** Living Donor: Long Term Outcomes
- **Kidney:** Pediatrics
- **Kidney:** Complications: Immune Mediated Late Graft Failure
- **Liver:** Retransplantation and Other Complications
- **Liver:** Recipient Selection
- **Liver:** Expanding the Donor Pool* (Liver: MELD Allocation / Donor Issues)
- **Organ Inclusive:** Non-Organ Specific: Organ Preservation/Ischemia Reperfusion Injury
- **Clinical Trials**

Poster Chats Session 1

5:30 PM - 7:00 PM

Program Topic: Kidney

Kidney 1

5:30 PM - 7:00 PM

Moderators:

Akansha Agrawal, MD, Northwestern Medicine, Chicago, IL, USA

Swati Rao, MBBS, University of Virginia, Charlottesville, VA, USA

5:30 PM - 5:40 PM

Absolute Quantification of Donor-Derived Cell-Free DNA Does Not Provide Additional Discriminating Power Over Donor-derived Cell-Free DNA Fraction for Detection of Allograft Rejection

R. Gohh¹, S. Jordan², R. N. Woodward³, K. M. Clark-Langone³, J. Morlan³, B. Silva³, M. Weir⁴, ¹Alpert School of Medicine Brown University, Providence, RI, ²Cedars Sinai Medical Ctr, Los Angeles, CA, ³CareDx, Redwood

City, CA, ⁴University of Maryland School of Medicine, Baltimore, MD

5:40 PM - 5:50 PM

Impact of Donor-Recipient Age Discrepancy in Living Donor Kidney Transplantation - The Need for Better Matching

N. K. Prabhu¹, V. Villani¹, K. P. Samy¹, D. Sudan¹, K. Ravindra¹, W. Irish², ¹*Surgery, Duke University Medical Center, Durham, NC*, ²*Surgery, East Carolina University, Greenville, NC*

5:50 PM - 6:00 PM

Older Living Donor Kidneys Are Associated with Worse Recipient and Graft Survival Compared to Younger Donors

A. P. Bregman¹, R. Spong¹, R. El-Rifai¹, K. Swanson¹, S. Jackson², S. Riad¹, ¹*Medicine, University of Minnesota, Minneapolis, MN*, ²*Analytics, Mhealth-Fairview, Minneapolis, MN*

6:00 PM - 6:10 PM

Trends of Living Kidney Donor Characteristics in the United States from 2000-2019

N. K. Prabhu¹, V. Villani¹, K. P. Samy¹, D. Sudan¹, K. Ravindra¹, W. Irish², ¹*Surgery, Duke University Medical Center, Durham, NC*, ²*Surgery, East Carolina University, Greenville, NC*

6:10 PM - 6:20 PM

Early Outcomes of Single Dose Eculizumab for Abo-Incompatible Living Donor Renal Transplantation

K. Heagler, M. Campara, P. Di Cocco, S. Gaitonde, I. Tang, J. Almario Alvarez, M. Spaggiari, J. Benken, C. S. Muran, B. Valdepenas, D. Pierce, I. Tzvetanov, E. Benedetti, *UI Health, Chicago, IL*

6:20 PM - 6:30 PM

De-Novo Belatacept Therapy is Associated with Higher Levels of BK Viremia and Lower Rates of BK Clearance in Kidney Transplantation Patients

G. Petrossian¹, J. Ortiz², K. Addonizio¹, L. Teixeira¹, A. Hsiao¹, R. James³, N. Koizumi³, S. Patel⁴, D. Conti², R. Plews², ¹*Albany Medical Center, Albany, NY*, ²*Division of Renal and Pancreatic Transplant Services, Albany Medical Center, Albany, NY*, ³*George Mason University, Fairfax, VA*, ⁴*UMC Las Vegas, Las Vegas, NV*

Program Topic: Basic

Basic 1

5:30 PM - 7:00 PM

Moderators:

Austin Schenk, MD, PhD, Ohio State University Wexner Medical Center, Bexley, OH, USA

Nicole Valenzuela, Ph.D, UCLA, Los Angeles, CA, USA

5:30 PM - 5:40 PM

Pro- and Anti-Tolerogenic Microbiota Induce Distinct Gut Microbiome Metabolic Pathways and Loco-Regional Immune Responses

S. J. Gavzy¹, R. Lakhan², J. Iyyathurai², V. Saxena², Z. L. Lee², B. Ma², E. Mongodin², J. S. Bromberg², ¹*University of Maryland School of Medicine, Baltimore, MD*, ²*University of Maryland, Baltimore, MD*

5:40 PM - 5:50 PM

Depletion of Donor Macrophages Permits Post-Transplant Tolerance Induction

M. Dilts¹, A. Dangi², X. Luo³, ¹*Pathology, Duke University, Durham, NC*, ²*Medicine, Duke University, Durham, NC*, ³*Duke University School of Medicine, Durham, NC*

5:50 PM - 6:00 PM

Understanding the Heterogeneity of Alloreactive Natural Killer (NK) Cell Function in Kidney Transplant Recipients

D. Ruan, M. Fribourg, N. Chun, P. Cravedi, A. Horowitz, P. Heeger, *Icahn School of Medicine at Mount Sinai, New York, NY*

Sponsor Networking

5:30 PM - 7:00 PM

Program Topic: All Topics

Join your fellow colleagues in Exhibit Hall C & D, Level 2 for the opening reception with sponsors. Beverages and Hors D'oeuvres will be served.



ATC's Women's Networking Event
6:30 PM - 8:00 PM

Program Topic: Professional Development & Women's Health

ATC's Women's Networking Event

Supported by CareDx

6:30 PM - 8:00 PM

Moderators:

Linda Sher, MD, University of Southern California, Los Angeles, CA, USA

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

6:30 PM - 7:15 PM

Use Your Life Experience to Develop Your Leadership Style

KMarie King, MD, MS, MBA, FACS, Albany Medical College, Albany, NY, USA

7:15 PM - 7:30 PM

Live Q&A

7:30 PM - 8:00 PM

Networking

Sunday, June 5, 2022

IMPACT Sessions

7:00 AM - 8:00 AM

Program Topic: Kidney

Should Frailty and Cognition Status Determine Transplant Eligibility

7:00 AM - 8:00 AM

Moderators:

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

Silas Norman, MD, Univ of Michigan Medical Ctr, Ann Arbor, MI, USA

7:00 AM - 7:10 AM

Overview - Should Frailty and Cognition Status Determine Transplant Eligibility

Darshana Dadhania, MD, MS, Weill Cornell Medicine - NYPH, New York, NY, USA

7:10 AM - 7:20 AM

Pro - Should Frailty and Cognition Status Determine Transplant Eligibility

Mara McAdams-DeMarco, PhD, Hopkins, Baltimore, MD, USA

7:20 AM - 7:30 AM

Con - Should Frailty and Cognition Status Determine Transplant Eligibility

Aditi Gupta, MD, MS, University of Kansas Medical Center, Kansas City, KS, USA

7:30 AM - 7:35 AM

Rebuttal - Pro

7:35 AM - 7:40 AM

Rebuttal - Con

7:40 AM - 8:00 AM

Live Q&A

Program Topic: Kidney

Interpreting Living Donor Kidney Function at Evaluation: One Size Fits All OR Individualized Thresholds/GFR Cut Offs for Age, Gender and Size?

7:00 AM - 8:00 AM

Moderators:

Vineeta Kumar, MD, University of Alabama At Birmingham, Birmingham, AL, USA

Nicolae Leca, MD, University of Washington, Seattle, WA, USA

7:00 AM - 7:10 AM

Setting the Stage: We are all Doing it Differently - Continue with the Status Quo or is There a Need to Further Specify How to Evaluate Kidney Function?

Emilio Poggio, MD, Cleveland Clinic, Cleveland, OH, USA

7:10 AM - 7:20 AM

Pro: One Size Does Not Fit All! It is Time for Age, Gender and Body Size Based Kidney Function Assessment!
Elliot Grodstein, MD, FACS, Northwell Health, Manhasset, NY, USA

7:20 AM - 7:30 AM

Con: Why Fix Something That is Not Broken? Single GFR Thresholds Have Served Us Well So Far!
Jane Tan, MD, Stanford University, Stanford, CA, USA

7:30 AM - 7:35 AM

Rebuttal: Pro

7:35 AM - 7:40 AM

Rebuttal: Con

7:40 AM - 8:00 AM

Live Q&A

Program Topic: Liver

Substance Use Among Transplant Candidates: Challenges Faced in Pre-transplant Evaluation and Post-transplant Care

7:00 AM - 8:00 AM

Moderators:

Kristin Kuntz, Ph.D., Ohio State University Medical Center, Columbus, OH, USA
Pratima Sharma, MD, MS, University of Michigan Health System, Ann Arbor, MI, USA

7:00 AM - 7:10 AM

Opioids Use: Implications in Transplant Candidacy and Post-Transplant Care

Monica Tincopa, MD MSc, University of California Los Angeles, Los Angeles, CA, USA

7:10 AM - 7:20 AM

Biomarkers of Alcohol Use: Monitoring Sobriety on the List and After Liver Transplant

Deepika Devuni, MD, UMass Chan Medical School, Worcester, MA, USA

7:20 AM - 7:30 AM

Balancing Act of Psychosocial Evaluation: Alcohol, Marijuana Use and Mental Disorder

Marina Serper, MD, MS, University of Pennsylvania,

Philadelphia, PA, USA

7:30 AM - 8:00 AM

Live Q&A

Program Topic: Heart

Donor-Derived Cell Free - DNA – Thinking Outside of the Box: Lessons to be Learned

7:00 AM - 8:00 AM

Moderators:

Eileen Hsich, MD, Cleveland Clinic, Shaker Heights, OH, USA

Inna Tchoukina, MD, Virginia Commonwealth University, Richmond, VA, USA

7:00 AM - 7:10 AM

Setting the Stage: Gene Expression Profiling and Cell-free DNA in Solid Organ Transplantation

Palak Shah, MD, MS, Inova Heart and Vascular Institute, Falls Church, VA, USA

7:10 AM - 7:20 AM

Pro: Out with the Old, In with the New! Histopathology is so 1980s!

Shelley Hall, MD, Baylor Dallas, Dallas, TX, USA

7:20 AM - 7:30 AM

Con: If It Ain't Broke, Don't Fix It: The Times for cf-DNA are Yet to Come - We Need More Data!

Mandeep Mehra, MD, MSc, FRCP, Brigham and Women, Harvard, Boston, MA, USA

7:30 AM - 7:35 AM

Rebuttal: Pro

7:35 AM - 7:40 AM

Rebuttal: Con

7:40 AM - 8:00 AM

Live Q&A

Program Topic: Pediatric

Is Obesity a Contraindication to Transplant in Children or Can it be Managed?



7:00 AM - 8:00 AM

Moderators:

Nicole Hayde, MD, MS, Montefiore Medical Center, Bronx, NY, USA

Amrish Jain, MD, Children's Hospital of Michigan, Detroit, MI, USA

7:00 AM - 7:10 AM

Obesity, Access to Transplant and Post-Transplant Outcomes

Jayne Locke, MD, MPH, FACS, FAST, University of Alabama at Birmingham Heersink School of Medicine, Birmingham, AL, USA

7:10 AM - 7:20 AM

Medical Management of Obesity in Pediatric Transplantation

Kristen Sgambat, Ph.D., Children's National, Washington DC, DC, USA

7:20 AM - 7:30 AM

Bariatric Surgery and Timing in Relation to Transplant

Cornelia Griggs, MD, Massachusetts General Hospital, Boston, MA, USA

7:30 AM - 8:00 AM

Live Q&A

Program Topic: Basic Science / Immunology

Harnessing the Potential of Tregs: Regulating the Regulators

7:00 AM - 8:00 AM

Moderators:

Anna Morris, PhD, Emory University, Atlanta, GA, USA

Anil Chandraker, MD, Brigham and Women's Hospital, Boston, MA, USA

7:00 AM - 7:10 AM

CARTregs- What's New?

Qizhi Tang, PhD, University of California San Francisco, San Francisco, CA, USA

7:10 AM - 7:20 AM

IL-10 and Tregs

Fadi Issa, MD, DPhil, FRCS, University of Oxford, Oxford, United Kingdom

7:20 AM - 7:30 AM

Chromatin Modulation for Regulation of Treg Function

Wayne Hancock, MD PhD, Children's Hospital of Philadelphia, Philadelphia, PA, USA

7:30 AM - 8:00 AM

Live Q&A

Program Topic: Translational

Stem Cells in Transplantation

7:00 AM - 8:00 AM

Moderators:

Heidi Yeh, MD, Massachusetts General Hospital, Boston, MA, USA

Suzanne Ildstad, MD, University of Louisville, Louisville, KY, USA

7:00 AM - 7:10 AM

Stem Cells in Ex Vivo Organ Perfusion

Giuseppe Orlando, MD, PhD, Wake Forest Baptist Medical Center, Winston-Salem, NC, USA

7:10 AM - 7:20 AM

Stem Cells and Tolerance Induction

Joseph Leventhal, MD, PhD FACS, Northwestern Medicine, Chicago, IL, USA

7:20 AM - 7:30 AM

Stem Cells and Pancreatic Islet Cell Transplantation

Heidi Yeh, MD, Massachusetts General Hospital, Boston, MA, USA

7:30 AM - 8:00 AM

Live Q&A

Program Topic: ID

Safe Living After Transplant

7:00 AM - 8:00 AM

Moderators:

Priya Kodiyanplakkal, MD, Weill Cornell Medicine, New York, NY, USA

Yoram Puius, MD, PhD, Montefiore Medical Center, Bronx, NY, USA



7:00 AM - 7:10 AM

Setting the Stage: Overview of Safe Living after Transplantation

Jessica Lum, MD, Cleveland Clinic Foundation, Cleveland, OH, USA

7:10 AM - 7:20 AM

Pro: Yes, the Recipient Can Proceed!

Nancy Law, D.O, M.P.H, University of California, San Diego, San Diego, CA, USA

7:20 AM - 7:30 AM

Con: No, the Recipient Should Defer!

Joanna Schaeffer, MD, PhD, David Geffen School of Medicine at UCLA, Los Angeles, CA, USA

7:30 AM - 7:35 AM

Pro: Rebuttal

7:35 AM - 7:40 AM

Con: Rebuttal

7:40 AM - 8:00 AM

Live Q&A

Program Topic: Pharmacy

Co-Stimulatory Inhibitor Pearls and Perplexities

7:00 AM - 8:00 AM

Moderators:

David Taber, PharmD, MS, Med University of South Carolina, Charleston, SC, USA

Dana Pierce, PharmD, University of Illinois at Chicago, Chicago, IL, USA

7:00 AM - 7:10 AM

Belatacept Outcome Expectations with Obesity

Alicia Lichvar, PharmD, MS, BCPS, BCTXP, University of California San Diego, San Diego, CA, USA

7:10 AM - 7:20 AM

Non-Renal Use of Belatacept: Playing with Fire?

Kristi Beermann, PharmD, BCPS, BCTXP, Duke University Hospital, Durham, NC, USA

7:20 AM - 7:30 AM

Belatacept Dosing Intervals: Can You Stretch Without Sacrifice?

Ronald Parsons, MD, Emory University School of Medicine, Atlanta, GA, USA

7:30 AM - 7:40 AM

Belatacept Roadmap With Plasmapheresis

Simon Tremblay, PharmD, PhD, CTI Clinical Trial & Consulting, Covington, KY, USA

7:40 AM - 8:00 AM

Live Q&A

Program Topic: Psychosocial & Ethics

Shared Decision Making after Failing Transplants

7:00 AM - 8:00 AM

Moderators:

Krista Lentine, MD, PhD, Saint Louis University, St. Louis, MO, USA

Naoka Murakami, MD PhD, Brigham and Women's Hospital, Boston, MA, USA

7:00 AM - 7:10 AM

Integrating Palliative Care in Solid Organ Transplant

Carolina Gustafson, MSN, RN, Emory University, Atlanta, GA, USA

7:10 AM - 7:20 AM

Data on Palliative Care in Kidney Transplant Patients

Keren Ladin, PhD MSc, Tufts University, Medford, MA, USA

7:20 AM - 7:30 AM

Palliative care in Transplant: Three-Stage Protocol for Shared Decision Making

Shunichi Nakagawa, MD, Columbia University Irving Medical Center, New York, NY, USA

7:30 AM - 8:00 AM

Live Q&A

Program Topic: Public Policy & Regulatory

Organ Allocation in the U.S.: A New Path Forward

7:00 AM - 8:00 AM

Moderators:

James Alcorn, JD, UNOS, Richmond, VA, USA



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

7:10 AM - 7:20 AM

Continuous Distribution of Lungs

Erika Lease, MD, FCCP, University of Washington, Seattle, WA, USA

7:00 AM - 7:10 AM

Heart Allocation Changes: Impact on Heart Transplantation in the U.S.

Richard Daly, M.D., Mayo Clinic, Rochester, MN, USA

7:20 AM - 7:30 AM

Continuous Distribution of Livers: Current Status

James Pomposelli, MD, PhD, University of Colorado, Aurora, CO, USA

7:30 AM - 7:40 AM

Continuous Distribution of Kidneys: Current Status

Martha Pavlakis, MD, FAST, FASN, BIDMC, Boston, MA, USA

7:40 AM - 8:00 AM

Live Q&A

Program Topic: Advanced Practice Provider

Stepping into Research: Advancing a Clinical Question to Publication

7:00 AM - 8:00 AM

Moderators:

Brenda Muth, NP, University of Wisconsin, Evansville, WI, USA

Kaitlyn Chapin, MSN, AGNP-C, Vanderbilt University Medical Center, Nashville, TN, USA

7:00 AM - 7:10 AM

Defining a Clinical Question: Where do I go from Here?

Dianne LaPointe Rudow, ANP-BC, DNP, FAAN, Mount Sinai Hospital, New York, NY, USA

7:10 AM - 7:20 AM

A Guide to Navigation from the IRB to the Data Set

Kristen Ryland, BS BSN MSN NP, Mayo Clinic, Jacksonville, FL, USA

7:20 AM - 7:30 AM

From Statistical Analysis to Presentation and Publication: Delivering the Data

Haley Hoy, PhD, NP, University of Alabama Huntsville / Vanderbilt Medical Center, Huntsville / Nashville, AL, USA

7:30 AM - 8:00 AM

Live Q&A

Break

8:00 AM - 8:25 AM

Plenary Oral Abstract Session

8:25 AM - 9:30 AM

Program Topic: All Topics

Plenary Oral Abstract Session 1

8:25 AM - 9:30 AM

Moderators:

A. Osama Gaber, MD, FACS, Houston Methodist Hospital, Houston, TX, USA

John Gill, MD, MS, University of British Columbia, Vancouver, BC, Canada

8:25 AM - 8:30 AM

Welcome

Matthew Levine, MD, PhD, University of Pennsylvania, Philadelphia, PA, USA

Jesse Schold, PhD, M. Stat, M.Ed., Cleveland Clinic Foundation, Cleveland, OH, USA

8:30 AM - 8:45 AM

Organs from Donors with Positive SARS-CoV-2 NAT+ Testing: A Report from the Ad Hoc Disease Transmission Advisory Committee

L. Danziger-Isakov¹, J. D. Goldman¹, A. Wooley¹, S. Pouch¹, A. Agarwal¹, G. Berry¹, K. Dunn¹, S. Ho¹, M. Kittleson¹, D. H. Lee¹, D. Levine¹, C. Marboe¹, G. Marklin¹, R. Razonable¹, S. Taimur¹, H. Te¹, C. Fox², C. Jett², S. Booker², D. Klassen², R. LaHoz¹, ¹OPTN, Richmond, VA, ²UNOS, Richmond, VA

8:45 AM - 9:00 AM

Targeted Delivery of Costimulation Inhibitor to Lymph



Nodes Promotes Transplant Tolerance via Fibroblastic Reticular Cells

J. Zhao¹, S. Jung¹, X. Li¹, H. Zhang¹, S. Movahedi¹, V. Kasinath¹, M. Uehara¹, J. Azzi¹, P. Sage¹, S. Tullius¹, J. S. Bromberg², R. Abdi¹, ¹Brigham and Women's Hospital, Boston, MA, ²University of Maryland School of Medicine, Baltimore, MD

9:00 AM - 9:15 AM

Biomarker Initiative to Advance Transplantation Outcomes in Children (BRITE-c) Analysis

M. E. Seifert¹, L. Sheward², A. Kho², N. Rodig², V. Dharnidharka³, M. Diehl², R. B. Mannon⁴, O. Bestard⁵, T. Blydt-Hansen⁶, D. M. Briscoe², ¹University of Alabama, Birmingham, AL, ²Boston Children's Hospital, Boston, MA, ³St Louis Children's Hospital, St Louis, MO, ⁴University of Nebraska, Omaha, NE, ⁵Bellvitge University Hospital, Barcelona, Spain, ⁶BC Children's, Vancouver, BC, Canada

9:15 AM - 9:30 AM

Site-Directed Mutagenesis as a Tool to Investigate Immunogenicity of HLA Epitopes for Humoral Alloreactivity

C. H. Maguire¹, P. Crivello², A. Tambur¹, ¹Northwestern University, Chicago, IL, ²University Hospital Essen, Essen, Germany

Sponsor Networking

9:30 AM - 10:00 AM

Program Topic: All Topics

Join your fellow colleagues in Exhibit Hall C & D, Level 2 for networking with sponsors. Beverages will be served.

Product Theater

9:30 AM - 10:00 AM

Program Topic: All Topics

Sponsored by CareDx

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This is open to all registered ATC attendees and there is no separate registration fee to attend.

AST Presidential Address

10:00 AM - 10:30 AM

AST Presidential Address

10:00 AM - 10:10 AM

Introduction

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

10:10 AM - 10:30 AM

AST Presidential Address

John Gill, MD, MS, University of British Columbia, Vancouver, BC, Canada

AST Achievement Awards & Lifetime

Achievement Awards

10:30 AM - 11:30 AM

AST Achievement Awards & Lifetime Achievement Awards

10:30 AM - 11:30 AM

AST Awards

John Gill, MD, MS, University of British Columbia, Vancouver, BC, Canada

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

State-of-the-Art Lecture #1

11:30 AM - 12:00 PM

Program Topic: All Topics

Paul I. Terasaki State-of-the-Art Lecture

Sponsored by the Terasaki Innovation Center

11:30 AM - 12:00 PM

United States' Role in Global Transplantation
Nancy Ascher, MD PhD, University of California San Francisco, San Francisco, CA, USA

Break

12:00 PM - 12:30 PM

Sponsored Satellite Symposia

12:30 PM - 1:30 PM

Program Topic: All Topics

Sponsored Satellite Symposia

Break

1:30 PM - 2:00 PM

IMPACT Sessions

2:00 PM - 3:00 PM

Program Topic: Kidney

Recurrent Glomerular Disease After Kidney Transplantation: Application of Genetic Testing, Risk Stratification, Preventing Strategies and Novel Therapeutics for Disease Recurrence

2:00 PM - 3:00 PM

Moderators:

Neeraj Singh, MD, Willis-Knighton Health System, Shreveport, LA, USA

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

2:00 PM - 2:10 PM

Updates on Atypical HUS and C3GN: From Diagnosis Pre-Transplant to Prevention and Management Post-Transplant

Anuja Java, MD, Washington University School of Medicine in St. Louis, St. Louis, MO, USA

2:10 PM - 2:20 PM

Plasma Cell Dyscrasias: Which Disease Phenotypes can be Transplanted Safely with Manageable Risk of

Recurrence?

Elizabeth Lorenz, MD, Mayo Clinic Rochester, MN, Rochester, MN, USA

2:20 PM - 2:30 PM

What is New in the Prevention and Treatment of Recurrent FSGS and Membranous Nephropathy?

Nicolae Leca, MD, University of Washington, Seattle, WA, USA

2:30 PM - 3:00 PM

Live Q&A

Program Topic: Kidney

Sodium-Glucose Cotransporter-2 (SGLT-2) Inhibitors: Are Gliflozins a Game Changer for Improving Post-Transplant Outcomes?

2:00 PM - 3:00 PM

Moderators:

Krista Lentine, MD, PhD, Saint Louis University Hospital, St. Louis, MO, USA

John Gill, MD, MS, St Paul's Hospital, Vancouver, BC, USA

2:00 PM - 2:10 PM

SGLT-2 Inhibitors and Chronic Kidney Disease

Arthur Matas, MD, University of Minnesota Medical School, Minneapolis, MN, USA

2:10 PM - 2:20 PM

SGLT-2 Inhibitors and Diabetes

Adnan Sharif, MD, University Hospitals Birmingham, Birmingham, United Kingdom

2:20 PM - 2:30 PM

SGLT-2 Inhibitors and Heart Failure

Deirdre Sawinski, MD, Weill Cornell Medicine – New York Presbyterian Hospital, NY, NY, USA

2:30 PM - 3:00 PM

Live Q&A

Program Topic: Liver

Transplant Oncology – Expanding Indications for Liver Transplant

2:00 PM - 3:00 PM

Moderators:

Anjana Pillai, MD, University of Chicago Medicine, Chicago, IL, USA

Parissa Tabrizian, MD, MSc, FACS, Mount Sinai Medical Center, New York, NY, USA

2:00 PM - 2:10 PM

Liver Transplant for Intrahepatic Cholangiocarcinoma - Where Do We Draw the Line?

Talia Baker, MD, University of Utah, Salt Lake City, UT, USA

2:10 PM - 2:20 PM

Neuroendocrine Tumors and LT - When Do We Pull the Trigger?

John Fung, MD, PhD, University of Chicago, Chicago, IL, USA

2:20 PM - 2:30 PM

Liver Transplant for Metastatic Colorectal Cancer - Is it Ready for Prime Time?

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

2:30 PM - 3:00 PM

Live Q&A

Program Topic: Heart & Lung

Obtaining the Transplant Dream - Can We Tackle the Contraindications in Heart and Lung Transplant Candidates?

2:00 PM - 3:00 PM

Moderators:

Samir Sultan, DO, University of Wisconsin, Madison, WI, USA

Patricia Chang, MD, MHS, University of North Carolina, Chapel Hill, NC, USA

2:00 PM - 2:10 PM

Is Obesity A "No" for Heart or Lung Transplant?

Maria Crespo, MD, Medical Director, Lung Transplant, University of Pennsylvania, Philadelphia, PA, USA

2:10 PM - 2:20 PM

Crowdfunding for Transplant

Ishna Poojary, MD, Ochsner Health System, New Orleans, LA, USA

2:20 PM - 2:30 PM

The "High" Debate: Marijuana Use in Transplant Candidates

Eileen Hsich, MD, Cleveland Clinic, Cleveland, OH, USA

2:30 PM - 2:40 PM

Inadequate Social Support in Lung Transplant: Will This Be A Barrier Forever?

Heather Bruschwein, PsyD, University of Virginia School of Medicine, Charlottesville, VA, USA

2:40 PM - 3:00 PM

Live Q&A

Program Topic: Heart

Use of mTORs in Heart Transplantation - Who and When and How

2:00 PM - 3:00 PM

Moderators:

Howard Eisen, MD, Pennsylvania State University, Hershey, PA, USA

Kent Botkin, PharmD, BCPS, BCTXP, Barnes-Jewish Hospital, Saint Louis, MO, USA

2:00 PM - 2:10 PM

The WHO: Who Will Benefit From mTORs?

Georgina Waldman, PharmD, MGH, Boston, MA, USA

2:10 PM - 2:20 PM

The WHEN: Once We Know Who We Want it for, When is the Ideal Time to Start it?

Naveen Pereira, MD, Mayo Clinic Rochester, Rochester, MN, USA

2:20 PM - 2:30 PM

The HOW: Is More Better? Once we Know Who and When, Do We Add to Triple Drug Immunosuppression? Or Do We Substitute a CNI or Cell Cycle Inhibitor for an mTOR Inhibitor?

Jignesh Patel, MD, PhD, Cedars-Sinai Heart Institute, Los Angeles, CA, USA

2:30 PM - 3:00 PM
 Live Q&A

Program Topic: Psychosocial & Ethics

Cannabinoids are Here to Stay: It is Time to Understand Their Harms and Benefits in End-Stage Organ Disease and Transplantation

2:00 PM - 3:00 PM

Moderators:

Stephan Weinland, PhD, VCU School of Medicine, Richmond, VA, USA

Lorna Dove, MD, Columbia Center for Live Disease & Transplantation, New York, NY, USA

2:00 PM - 2:10 PM

Harms and Benefits of Cannabinoids in Patients with End-Stage Organ Damage

Akhil Shenoy, MD MPH, Columbia University Medical Center, New York City, NY, USA

2:10 PM - 2:20 PM

Strategies to Manage Cannabinoid Use in Transplant Candidates and Recipients

Gerald Winder, MD MSc, University of Michigan, Ann Arbor, MI, USA

2:20 PM - 2:30 PM

Can Cannabinoids Treat Acute and Chronic Pain and Reduce Addiction to Opioids?

Joji Suzuki, MD, Harvard Medical School, Boston, MA, USA

2:30 PM - 3:00 PM

Live Q&A

Program Topic: Translational

Advances in Liver Regeneration

2:00 PM - 3:00 PM

Moderators:

Keri Lunsford, MD, PhD, FACS, Rutgers New Jersey,

Newark, NJ, USA

Austin Schenk, MD, PhD, Ohio State, Columbus, OH, USA

2:00 PM - 2:10 PM

Somatostatin Protects Porcine Livers in Small-for-Size Liver Transplantation

Amelia Hessheimer, MD, PhD, Hospital Universitario La Paz, Madrid, Spain

2:10 PM - 2:20 PM

Purinergic Signaling and Vascular Reconstitution in Liver Regeneration

Simon Robson, M.D. Ph.D FRCP, Harvard and BIDMC, Weston, MA, USA

2:20 PM - 2:30 PM

The Hippo Pathway: A Master Regulator of Liver Metabolism, Regeneration, and Disease

Mamatha Bhat, MD, PhD, UHN, Toronto, ON, Canada

2:30 PM - 3:00 PM

Live Q&A

Program Topic: ID

Updates and Controversies in Cytomegalovirus

2:00 PM - 3:00 PM

Moderators:

Tirdad Zangeneh, DO, MA, FACP, FIDSA, FAST, University of Arizona, Tucson, AZ, USA

Elena Beam, M.D., Mayo Clinic College of Medicine, Rochester, MN, USA

2:00 PM - 2:10 PM

Novel CMV Therapeutics

Maheen Abidi, MBBS, University of Colorado Denver/Anschutz Medical Campus, Denver, CO, USA

2:10 PM - 2:20 PM

Use of Immune Monitoring Assays for CMV

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

2:20 PM - 2:30 PM

Cytotoxic T Lymphocyte Therapy for CMV

Jennifer Horan Saullo, MD, PharmD, Duke University Medical Center, Greensboro, NC, USA

2:30 PM - 3:00 PM
 Live Q&A

Program Topic: Pharmacy

Navigating the Role of Biologics and Biosimilars in Solid Organ Transplant Recipients

2:00 PM - 3:00 PM

Moderators:

Suhail Shaikh, PharmD, BCPS, Keck Medicine of USC, Los Angeles, CA, USA

Ashley Vo, PharmD, FAST, Cedars Sinai Medical Center, Los Angeles, CA, USA

2:00 PM - 2:10 PM

Regulatory and Clinical Considerations for Biologics and Biosimilars in Transplantation

Stacy Bernard, PharmD, BCPS, BCTXP, Mayo Clinic, Rochester, MN, USA

2:10 PM - 2:20 PM

Management of TNF-Alpha Inhibitors in Transplant Recipients

Matt Harris, PharmD, MHS, BCPS, Duke Health, Durham, NC, USA

2:20 PM - 2:30 PM

Considerations for use of JAK Inhibitors and IL-6 Antagonists with Transplant Immunosuppression

Carlo Iasella, PharmD, MPH, University of Pittsburgh, Pittsburgh, PA, USA

2:30 PM - 3:00 PM

Live Q&A

Program Topic: Advanced Practice Provider

Advanced Practice Providers in Transplant Leadership Roles

2:00 PM - 3:00 PM

Moderators:

Elizabeth Stearns, PA-C, MSPAS, MBA, Mayo Clinic Hospital Arizona, Scottsdale, AZ, USA

Dianne Rudow, ANP-BC, DNP, CCTC, Recanti/Miller Transplantation Institute, Douglaston, NY, USA

2:00 PM - 2:10 PM

Paving the Way: Key Steps in Moving from Advanced Practice Provider to Program Director

Martha Tankersley, MSN, RN, UAB Hospital, Transplant Administration, Birmingham, AL, USA

2:10 PM - 2:20 PM

How to Lead Effectively as an Advanced Practice Provider

Daryle Blackstock, PA-C, MPH, CCTC, New York Presbyterian Hospital/Columbia University, New York, NY, USA

2:20 PM - 2:30 PM

National Transplant Societies: How do I Get on a Committee?

Georgeine Smith, MS, PA-C, MHS, Hospital of the University of Pennsylvania, Philadelphia, PA, USA

2:30 PM - 3:00 PM

Live Q&A

Program Topic: Organ Allocation

Strategies for Reducing Blood Loss During Transplant and Serving the Transfusion-Free Community

2:00 PM - 3:00 PM

Moderators:

Helen Te, MD, University of Chicago Medicine, Chicago, IL, USA

Helen Han, MD, USC, Los Angeles, CA, USA

2:00 PM - 2:10 PM

Considerations from JW perspective

Randy Henderson, Keck Medicine of USC, Los Angeles, CA, USA

2:10 PM - 2:20 PM

Strategies for Serving the Transfusion Free Liver Transplant Community: Acute Normovolemic Hemodilution and Medical Augmentation

Aaron Ahearn, MD, University of Southern California, Los Angeles, CA, USA

2:20 PM - 2:30 PM

Bloodless Cardiac Surgery

Valluvan Jeevanandam, MD, University of Chicago,

Chicago, IL, USA

2:30 PM - 2:40 PM

Living Donor Hepatectomy in the Transfusion Free Community

Yuri Genyk, University of Southern California, Los Angeles, CA, USA

2:40 PM - 3:00 PM

Live Q&A

Late Breaking COVID-19 Oral Abstract Session

2:00 PM - 3:00 PM

Program Topic: COVID-19

Late Breaking: COVID-19

2:00 PM - 3:00 PM

Moderators:

Marwan Azar, MD, Yale, New Haven, CT, USA

Sajal Tanna, MD, MPH, Northwestern University, Chicago, IL, USA

2:00 PM - 2:10 PM

Serological Response To Three, Four And Five Doses Of Sars-cov-2 Vaccine In Kidney Transplant Recipients

S. Ronicke¹, **B. Osmanodja**¹, **K. Budde**¹, **A. Jens**¹, **C. Hammett**¹, **K. Nadine**¹, **J. Waiser**¹, **B. Zukunft**¹, **F. Bachmann**¹, **M. Choi**¹, **W. Ulrike**¹, **B. Eberspächer**², **J. Hofmann**², **F. Grunow**¹, **M. Mikhailov**¹, **L. Liefeldt**¹, **K. Eckardt**¹, **F. Halleck**¹, **E. Schrezenmeier**¹, ¹*Department of Nephrology and Medical Intensive Care, Charité – Universitätsmedizin Berlin, Berlin, Germany*, ²*Labor Berlin - Charité Vivantes GmbH, Berlin, Germany*

2:10 PM - 2:20 PM

Covid-19 Vaccination Response In Tacrolimus Treated Kidney Transplant Recipients With And Without Mycophenolate Mofetil: Follow-up Of A Randomized Controlled Trial

Z. Al Fatly¹, **M. G. Betjes**¹, **A. L. Messchendorp**², **J. S. Sanders**², **M. E. Reinders**¹, **M. M. Kho**¹, **A. E. de Weerd**¹, ¹*Department of Internal Medicine, Erasmus MC Transplant Institute University Medical Center, Rotterdam, Netherlands*, ²*Department of Internal Medicine, Groningen Medical Center, Groningen,*

Netherlands

2:20 PM - 2:30 PM

Lung Transplantation For COVID Acute Respiratory Distress Syndrome: A Pediatric And Adult Case Series

C. Arendale¹, **D. Kumar**², **P. S. Garcha**³, **C. Kutac**⁴, **G. Loor**¹, **A. Rana**¹, **J. Goss**¹, **N. Galvan**¹, ¹*Michael E. DeBakey Department of Surgery, Baylor College of Medicine, Houston, TX*, ²*Department of Biochemistry, Baylor College of Medicine, Houston, TX*, ³*Department of Medicine, Baylor College of Medicine, Houston, TX*, ⁴*Baylor St. Luke's Medical Center, Houston, TX*

2:30 PM - 2:40 PM

Comparing The Immunologic Responses Between Kidney Transplant Recipients Receiving Standard Immunosuppression And CNI Reduction After Two Doses Of ChAdOx-1 And A Booster Dose BNT162b2

S. Phirom¹, **T. Kitrunghphaiboon**², **W. Jantarabenjakul**², **Y. Avihingsanon**², **W. Prasithsirikul**³, **J. Vanichanan**⁴, **P. Hansasuta**⁵, **N. Townamchai**⁶, ¹*Nephrology division, Department of medicine, King Chulalongkorn Memorial Hospital, Bangkok, Thailand*, ²*King Chulalongkorn Memorial Hospital, Bangkok, Thailand*, ³*Bamrasnaradura infectious disease institute, Bangkok, Thailand*, ⁴*Infectious diseases, Department of medicine, King Chulalongkorn Memorial Hospital, Bangkok, Thailand*, ⁵*Department of Microbiology, King Chulalongkorn Memorial Hospital, Bangkok, Thailand*, ⁶*Medicine, Chulalongkorn University and King Chulalongkorn Memorial Hospital, Bangkok, Thailand*

2:40 PM - 2:50 PM

Early Clinical Experience With Alvr109, A Partially Hla-matched Sars-cov-2 Specific T-cell Therapy, In Immunocompromised Patients With Covid-19

G. Haidar¹, **J. Jacobs**², **K. Hughes**², **K. McCormick**², **A. Naqvi**², **M. Agha**², **T. Bogdanovich**², **B. Johnson**², **J. Kozar**², **E. Lendermon**², **C. Marino**², **A. Raptis**², **F. Silveira**², **W. Marshall**³, **M. Miller**³, **E. Atillasoy**³, **J. Mellors**², ¹*University of Pittsburgh, Pittsburgh, PA*, ²*UPitt, Pittsburgh, PA*, ³*Allovir, Waltham, MA*

2:50 PM - 3:00 PM

The Impact Of Monoclonal Antibody Against Sars-CoV2 And Vaccination On Outcomes In Kidney Transplant Recipients With Covid-19

N. M. Ali, **V. Tatapudi**, **R. Chand**, **k. Sureau**, **S. Mehta**, **R.**



Montgomery, NYU Langone Transplant Institute, New York, NY

Sponsor Networking

3:00 PM - 3:30 PM

Program Topic: All Topics

Join your fellow colleagues in Exhibit Hall C & D, Level 2 for networking with sponsors. Beverages and light snacks will be served.

Product Theater

3:00 PM - 3:30 PM

Program Topic: All Topics

Optimizing Outcomes in Transplant Infectious Disease Management

This product theater is not part of the ATC official educational program and the session and content is not endorsed by ATC.

This is open to all registered ATC attendees and there is no separate registration fee to attend.

Focus in Transplantation

3:30 PM - 7:00 PM

Program Topic: Basic Science / Immunology

OMICS in Transplantation

3:30 PM - 5:00 PM

Moderators:

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

Ali Zarrinpar, MD, PhD, University of Florida, Gainesville, FL, USA

3:30 PM - 3:50 PM

Multi-Omic Approaches to the Assessment of Immune Dysfunction in Cirrhosis

Keri Lunsford, MD, PhD, FACS, Rutgers University,

Newark, NJ, USA

3:50 PM - 4:10 PM

Multi-Omic Analysis of Alloimmune Responses Elicited by Transplanted Livers

Juliet Emamaullee, MD, PhD, University of Southern California, Los Angeles, CA, USA

4:10 PM - 4:30 PM

Multi-Omic Analysis of Liver Tumor Pathogenicity and Recurrence

Vatche Agopian, MD, UCLA Medical Center, Los Angeles, CA, USA

4:30 PM - 5:00 PM

Live Q&A

5:00 PM - 5:30 PM

Coffee Break

5:30 PM - 7:00 PM

Moderators:

Laurine Bow, PhD, Yale University, New Haven, CT, USA

Evan Farkash, M.D., Ph.D., University of Michigan, Ann Arbor, MI, USA

5:30 PM - 5:50 PM

Precision Genomic Medicine in Transplantation

Brendan Keating, D.Phil., UPenn, Philadelphia, PA, USA

5:50 PM - 6:10 PM

Digital Pathology, Computational Biology and Organ Transplants

Alton Farris, MD, Emory University, Atlanta, GA, USA

6:10 PM - 6:30 PM

CRISPR as a Diagnostic Test for Transplantation

Leonardo Riella, MD, PhD, Harvard Medical School, Boston, MA, USA

6:30 PM - 7:00 PM

Live Q&A

Rapid Fire Oral Abstract Sessions
3:30 PM - 5:00 PM

Program Topic: Kidney

Kidney Deceased Donor Allocation

3:30 PM - 5:00 PM

Moderators:

Martha Pavlakis, MD, FAST, FASN, BIDMC, Lexington, MA, USA

Vincent Casingal, MD, Atrium Health- Carolinas Medical Center, Charlotte, NC, USA

3:30 PM - 3:40 PM

Changes in Cold Ischemia Time and Transplantation Practices with the Concentric Model of Kidney Allocation

C. M. Puttarajappa¹, P. Sood¹, A. Tevar¹, V. Gunabushanam¹, S. Hariharan¹, S. Mohan², ¹University of Pittsburgh Medical Center, Pittsburgh, PA, ²Columbia University, New York, NY

3:40 PM - 3:50 PM

Transplant Rates Increased with Broader Distribution of Deceased Donor Kidneys

A. Robinson¹, K. Gauntt¹, A. Wilk¹, J. Kim², V. Casingal³, N. Turgeon⁴, M. Pavlakis⁵, ¹UNOS, Richmond, VA, ²Surgery, Keck Medicine of USC, Los Angeles, CA, ³Carolinas Medical Center, Charlotte, NC, ⁴Dell Seton Medical Center at The University of Texas, Austin, TX, ⁵Beth Israel Deaconess Med Ctr, Boston, MA

3:50 PM - 4:00 PM

Implications of Accumulated Cold Time for US Kidney Transplantation Offer Acceptance

M. Barah¹, V. Kilambi², J. Friedewald¹, S. Mehrotra¹, ¹Industrial Engineering and Management Sciences, Northwestern University, Evanston, IL, ²Department of Engineering and Applied Sciences, RAND Corporation, Arlington, VA

4:00 PM - 4:10 PM

Identical Kidneys Are Discarded at Higher Rates When Labeled as High KDPI

C. Crannell, J. Perkins, C. Kling, University of Washington, Seattle, WA

4:10 PM - 4:20 PM

Physician Preferences When Selecting Candidates for

Marginal Quality Kidney Offers: A Discrete Choice Experiment

S. Mehrotra, Industrial Engineering and Management Sciences, Northwestern University, Evanston, IL

4:20 PM - 4:30 PM

Patient Preferences for Waiting Time and Kidney Quality: A Discrete Choice Experiment

S. Mehrotra, Industrial Engineering and Management Sciences, Northwestern University, Evanston, IL

4:30 PM - 4:40 PM

Avoiding Cytomegalovirus Mismatching in Deceased Donor Kidney Allocation System in the US

B. Tanriover¹, B. Sandikci², Y. Ulukus³, M. A. Ergun², V. K. Ariyamuthu¹, M. Al-Obaidi⁴, T. Zangeneh⁴, ¹Division of Nephrology, The University of Arizona, Tucson, AZ, ²Department of Industrial Engineering, Istanbul Technical University, Istanbul, Turkey, ³Department of industrial Engineering, Istanbul Technical University, Istanbul, Turkey, ⁴Division of Infectious Disease, The University of Arizona, Tucson, AZ

4:40 PM - 4:50 PM

"ABO-Adjusted CPRA": A Unified Metric for Immunologic Compatibility in Kidney Transplantation

L. Gragert¹, M. Kadatz², J. Alcorn³, D. Stewart³, D. Chang², J. Gill², R. Liwski⁴, H. Gebel⁵, E. Kransdorff⁶, J. Gill², J. Lan², ¹Tulane University, New Orleans, LA, ²University of British Columbia, Vancouver, BC, Canada, ³UNOS, Richmond, VA, ⁴Dalhousie University, Halifax, NS, Canada, ⁵Emory University, Atlanta, GA, ⁶Cedars-Sinai, Beverly Hills, CA

4:50 PM - 5:00 PM

Longevity Matching for Living Donor Renal Transplantation

S. Karhadkar¹, J. Dawes¹, K. Wirshup¹, J. Kolansky¹, A. Gregor¹, A. Diamond², A. DiCarlo¹, ¹Temple University Hospital, Philadelphia, PA, ², Garnet Valley, PA

Program Topic: Kidney

Kidney Psychosocial

3:30 PM - 5:00 PM

Moderators:

James Rodrigue, PhD, Beth Israel Deaconess Medical

Center / Harvard Medical School, Boston, MA, USA
Wendy Balliet, Ph.D., Medical University of South Carolina, Charleston, SC, USA

3:30 PM - 3:40 PM

Hold the Opioids Please: Long-Term Outcomes Following an Opioid Minimization Protocol in Kidney Transplantation
T. Carcella, N. Patel, J. Marable, J. Fleming, P. Baliga, D. Dubai, S. Bethi, D. Taber, V. Rohan, *Medical University of South Carolina, Charleston, SC*

3:40 PM - 3:50 PM

Exploring the Differential Access Hypothesis: Do Black Kidney Transplant Candidates Have Less Social Network Access to Potential Living Donors Than White Candidates?

J. Daw¹, M. Roberts¹, T. Purnell², ¹*Sociology & Criminology, The Pennsylvania State University, University Park, PA*, ²*Johns Hopkins School of Medicine, Baltimore, MD*

3:50 PM - 4:00 PM

Socioeconomic Deprivation of "Closed for No Contact" Kidney Transplant Referrals

S. Cooley¹, D. Cassidy², N. Kunnath³, R. Sung⁴, V. S. Valbuena⁴, ¹*Kansas City University of Medicine, Kansas City, MO*, ²*University of Michigan Medical School, Ann Arbor, MI*, ³*Center for Healthcare Outcomes and Policy, University of Michigan, Ann Arbor, MI*, ⁴*Department of Surgery, University of Michigan, Ann Arbor, MI*

4:00 PM - 4:10 PM

Associated Factors to Physical Inactivity of Kidney Transplant Patients: Subproject of ADHERE Brazil Multicenter Study

E. S. Sertorio¹, F. A. Colugnati¹, K. Denhaerynck², S. De Smet³, J. O. Medina⁴, M. M. Reboredo⁵, S. De Geest², H. Sanders-Pinheiro¹, T. ADHERE BRAZIL Study team¹, ¹*Nephrology, Federal University of Juiz de Fora, Juiz de Fora, Brazil*, ²*Department of Public Health, Institute of Nursing Science, University of Basel, Basel, Switzerland*, ³*Transplant Research Group, Department of Microbiology, Immunology and Transplantation, KU Leuven, Leuven, Belgium*, ⁴*Nephrology, Hospital do Rim, Federal University of São Paulo, São Paulo, Brazil*, ⁵*Pneumology, Federal University of Juiz de Fora, Juiz de Fora, Brazil*

4:10 PM - 4:20 PM

Reproductive Counseling in Kidney Transplant: Patient Needs and Current Practices

S. Rajagopal¹, J. Ritchie², D. Seidman³, Y. Srisengfa⁴, E. R. Perito⁵, D. Adey⁶, M. Sarkar⁷, ¹*Internal Medicine, Brookdale University Hospital, Brooklyn, NY*, ²*Obstetrics and Gynecology, St Luke's University Health Network, Bethlehem, PA*, ³*Obstetrics and Gynecology, University of California San Francisco, San Francisco, CA*, ⁴*University of California San Francisco, San Francisco, CA*, ⁵*Pediatric GI/Hepatology, University of California San Francisco, San Francisco, CA*, ⁶*Nephrology, University of California San Francisco, San Francisco, CA*, ⁷*GI/Hepatology, University of California San Francisco, San Francisco, CA*

4:20 PM - 4:30 PM

In Vitro Fertilization Use Among Female Kidney Transplant Recipients

L. A. Coscia¹, J. M. Konec², M. Bowring³, S. Constantinescu⁴, M. J. Moritz⁵, ¹*Transplant Pregnancy Registry International, Philadelphia, PA*, ²*Wayne State University School of Medicine, Detroit, MI*, ³*Johns Hopkins University School of Medicine, Baltimore, MD*, ⁴*Medicine, Lewis Katz School of Medicine at Temple University, Philadelphia, PA*, ⁵*Surgery, Lehigh Valley Health Network, Allentown, PA*

4:30 PM - 4:40 PM

Development and Validation of a Kidney Transplant-Specific Measure of Treatment Burden

E. Lorenz¹, T. Petterson¹, I. Zaniletti¹, K. Lackore¹, B. Johnson¹, M. Mai², S. Nair³, A. Bentall¹, K. Yost¹, D. Eton¹, ¹*Mayo Clinic, Rochester, MN*, ²*Mayo Clinic, Jacksonville, FL*, ³*Mayo Clinic, Scottsdale, AZ*

4:40 PM - 4:50 PM

Validation of the PROMIS® Medication Adherence Scale Among Kidney Transplant Recipients on Tacrolimus

J. D. Peipert¹, R. Slay², B. Smith², D. Cella¹, A. Keys², D. Taber², ¹*Northwestern University, Chicago, IL*, ²*Medical University of South Carolina, Charleston, SC*

4:50 PM - 5:00 PM

Barriers and Facilitators to Care for Patients with Failed Kidney Transplants

A. Huml¹, K. Berg², A. Perzynski², C. Sullivan², A. Sehgal², ¹*Department of Kidney Medicine, Cleveland*

Clinic, Cleveland, OH, ²Population Health Research Institute, The MetroHealth System, Cleveland, OH

Medicine and Dentistry, London, United Kingdom, ²Department of Renal and Transplantation, Royal London Hospital, Bart's Health NHS Trust, London, United Kingdom

Program Topic: Kidney

Kidney: Cardiovascular and Metabolic Complications

3:30 PM - 5:00 PM

Moderators:

Swati Rao, MBBS, University of Virginia, Charlottesville, VA, USA

Marcelo Cantarovich, MD, McGill University Health Ctr, Montreal, QC, Canada

3:30 PM - 3:40 PM

Low-Dose Aspirin is Effective in Preventing Transplant Renal Artery Stenosis: A Prospective Randomized Controlled Trial

X. Tian, W. Duan, X. Niu, X. Wu, C. Zhang, J. Zhao, Z. Wang, G. Cao, B. Ji, Y. Gu, H. Cao, T. Qin, F. Shao, T. Yan, *Henan Provincial People's Hospital, Zhengzhou, Henan Province, China*

3:40 PM - 3:50 PM

Sodium-Glucose Co-Transporter 2 Inhibitors; Short-Term Outcome in Diabetic Kidney Transplant Recipients

J. Yagan¹, T. S. Mahmoud¹, A. Hasan², O. Gheith¹, n. El-Serwy¹, S. Rida¹, M. Mostafa¹, M. Shaker¹, P. Nair¹, T. Alotaibi¹, ¹Nephrology, Hamed Al-Essa Organ Transplant Center, Kuwait, Kuwait, ²Immunometabolism, Dasman Diabetes Center, Kuwait, Kuwait

3:50 PM - 4:00 PM

Physiological Age by Artificial Intelligence-Enhanced Electrograms as a Novel Biomarker of Mortality in Kidney Transplant Candidates

E. Lorenz, I. Zaniletti, B. Johnson, T. Petterson, W. Kremers, C. Schinstock, H. Amer, A. Cheville, N. LeBrasseur, A. Baez-Suarez, Z. Attia, F. Lopez-Jimenez, P. Friedman, C. Kennedy, A. Rule, *Mayo Clinic, Rochester, MN*

4:00 PM - 4:10 PM

Less is More. Extensive Cardiac Investigations Add Little Value in Waitlisting Patients for Kidney Transplantation

B. Chow¹, M. Khurram², E. Capuano², F. Pugliese², M. Yaqoob², I. Mohamed², ¹Barts and the London School of

4:10 PM - 4:20 PM

Cardiac Catheterization in ESKD Patients with High Cardiovascular Risk Prior to Kidney Transplantation

L. Morena¹, A. Al Jurdi², M. S. Bittencourt³, A. C. Bucay², N. Elias¹, R. Palsson², L. V. Riella¹, ¹Transplant Surgery, Massachusetts General Hospital - Harvard Medical School, Boston, MA, ²Transplant Nephrology, Massachusetts General Hospital - Harvard Medical School, Boston, MA, ³Cardiac Imaging, Cardiology, University of Pittsburgh, Pittsburgh, PA

4:20 PM - 4:30 PM

Cardiovascular Assessment After Kidney Transplantation in Children and Adolescents

J. Liu, L. Zhang, X. Li, L. Zhu, Y. Lin, X. He, L. Liu, J. Li, C. Wang, S. Li, *The First Affiliated Hospital of Sun Yat-sen University, Guangzhou, China*

4:30 PM - 4:40 PM

Outcomes of Sodium-Glucose Cotransporter 2 Inhibitors and Glucagon-Like Peptide-1 Receptor Agonists in Diabetic Kidney Transplant Recipients

T. S. Mahmoud¹, J. Yagan¹, A. Hasan², O. Gheith¹, M. Mostafa¹, S. Rida¹, N. El-Serwy¹, M. Shaker¹, M. Khalid¹, P. Nair¹, T. Alotaibi¹, ¹Nephrology, Organ Transplant Center, Kuwait, Kuwait, ²Immunometabolism, Dasman Diabetes Center, Kuwait, Kuwait

4:40 PM - 4:50 PM

Intermediate Term Outcomes of SGLT2 Inhibitors Amongst Diabetic Kidney Transplant Recipients

C. Song¹, A. Brown², R. Winstead¹, S. Sterling¹, I. Yakubu², J. Christensen², G. Gupta², ¹Pharmacy, VCUHS, Richmond, VA, ²VCUHS, Richmond, VA

4:50 PM - 5:00 PM

Safety and Efficacy of GLP-1 Agonists in Solid Organ Transplant Recipients

E. Heiman, D. Blanco, A. Webb, *Pharmacy, Tampa General Hospital, Tampa, FL*

Program Topic: Liver

Hepatocellular Carcinoma and Other Malignancies

3:30 PM - 5:00 PM

Moderators:

Varvara Kirchner, MD, Stanford University, Stanford, CA, USA

Anjana Pillai, MD, University of Chicago Medicine, Chicago, IL, USA

3:30 PM - 3:40 PM

Degree of Pre-Liver Transplant Immune Dysfunction Correlates with Post-Transplant Cancer Recurrence

G. S. Prakash¹, G. G. Panayotova¹, S. Simonishvili¹, Y. Qin¹, L. Jin¹, T. Ayorinde¹, L. J. Minze², F. Paterno¹, L. Brown¹, A. Amin¹, D. Liu¹, R. Ghobrial², J. V. Guarrera¹, K. E. Lunsford¹, ¹*Rutgers New Jersey Medical School, Newark, NJ*, ²*Houston Methodist Hospital, Houston, TX*

3:40 PM - 3:50 PM

Clinical Efficacy of Adjuvant Immunotherapy for Liver Transplant Recipients with Exceeding Japan Criteria of Hepatocellular Carcinoma Using Donor Liver Derived Natural Killer Cells

M. Ohira¹, Y. Imaoka², K. Sato³, K. Imaoka¹, N. Tanimine¹, H. Tahara¹, K. Ide¹, T. Kobayashi¹, Y. Tanaka¹, A. G. Tzakis⁴, S. Nishida⁵, H. Ohdan¹, ¹*Hiroshima University, Hiroshima, Japan*, ²*Hiroshima Uni., Hiroshima, Japan*, ³*Department of Gastroenterological and Transplant Surgery, Hiroshima University, Hiroshima, Japan*, ⁴*Digestive Diseases and Surgery Institute, Cleveland Clinic, Cleveland, OH*, ⁵*Univ of Miami School of Medicine, Valhalla, NY*

3:50 PM - 4:00 PM

Induction Immunosuppression Does Not Worsen Tumor Recurrence After Liver Transplantation for T2 Hepatocellular Carcinoma and May Allow for Decreased Mortality

C. Durkin¹, T. Bittermann¹, D. E. Schaubel², ¹*Gastroenterology, University of Pennsylvania, Philadelphia, PA*, ²*Biostatistics, University of Pennsylvania, Philadelphia, PA*

4:00 PM - 4:10 PM

Increased Regulatory T-cells in Tumor Microenvironment is Associated with Hepatocellular Carcinoma

Differentiation in Patients Undergoing Liver Transplantation

G. Orozco¹, R. Gedaly², L. Turcios², F. Marti², ¹*Surgery, University of Kentucky, Lexington, KY*, ²*UKHC, Lexington, KY*

4:10 PM - 4:20 PM

Disparities in Liver Transplantation in Patients with HCC Diagnosis

C. Warren¹, A. Zarrinpar², ¹*Surgery, University of Florida Shands Health, Gainesville, FL*, ²*Surgery, University of Florida Health Shands, Gainesville, FL*

4:20 PM - 4:30 PM

Differentially Methylated Genes Predict Post-Transplant Relapse of Unresectable Hepatoblastoma

M. Ningappa¹, M. Muarya², C. Ashokkumar¹, H. Hakonarson³, S. Subramaniam⁴, R. Sindhi¹, ¹*Childrens Hospital of Pittsburgh of UPMC, Pittsburgh, PA*, ²*Department of Bioengineering & San Diego Supercomputer Center, University of California, San Diego, CA*, ³*Center for Applied Genomics, Children's Hospital of Philadelphia, Philadelphia, PA*, ⁴*Department of Computer Science and Engineering, and Nanoengineering, University of California, San Diego, La Jolla, CA*

4:30 PM - 4:40 PM

Role of Circulating Tumour Cells in the Management of the Liver Transplant Patient with Hepatocellular Carcinoma

F. Villalba¹, F. Alconchel², L. Sáenz³, M. Sánchez-Lorenzo¹, D. Ferreras², P. Cascales², F. Sánchez-Bueno², R. Robles², P. Ramírez², ¹*IMIB- Virgen de la Arrixaca, Murcia, Spain*, ²*Surgery and Organ Transplantation, Virgen de la Arrixaca University Hospital (IMIB- Virgen de la Arrixaca), Murcia, Spain*, ³*Rafael Méndez Hospital, Lorca, Spain*

4:40 PM - 4:50 PM

Is Repeat Resection for Recurrent Intrahepatic Cholangiocarcinoma Warranted? Outcomes of an International Multicenter Analysis

M. L. Holzner¹, V. Mazzaferro², M. Droz dit Busset², L. Aldrighetti³, F. Ratti³, K. Hasegawa⁴, J. Arita⁴, G. Sapisochin⁵, P. Abreu⁵, W. Schoening⁶, N. Nevermann⁶, M. Schmelzle⁶, J. Pratschke⁶, S. Florman¹, K. Halazun⁷, M. E. Schwartz¹, P. Tabrizian¹, ¹*Recanati/Miller Transplantation Institute, Mount Sinai, New York, NY*, ²*University of Milan, Milan, Italy*, ³*San Raffaele Hospital,*

Milan, Italy, ⁴University of Tokyo, Tokyo, Japan, ⁵University of Toronto, Toronto, ON, Canada, ⁶Charite University, Berlin, Germany, ⁷Weill Cornell Medical Center, New York, NY

Brigham & Women's Hospital, Boston, MA

4:50 PM - 5:00 PM

Transplant Combined with Neoadjuvant Therapy Improves Survival for Patients with Liver-Limited, Locally Advanced Intrahepatic Cholangiocarcinoma: A SEER Database Analysis

G. G. Panayotova¹, M. Javle², S. Pentakota¹, F. Paterno¹, A. Amin¹, L. Brown¹, S. Simonishvili¹, Y. Qin¹, T. Ayorinde¹, G. Prakash¹, C. Conrad³, J. V. Guarrera¹, K. E. Lunsford¹, ¹Rutgers New Jersey Medical School, Newark, NJ, ²University of Texas, MD Anderson Cancer Center, Houston, TX, ³St. Elizabeth's Medical Center, Boston, MA

3:50 PM - 4:00 PM

Safety and Efficacy of Peri-Vaccination Antimetabolite Hold to Augment Third SARS-CoV-2 Vaccine Dose Response in Lung Transplant Recipients

S. Frey, J. Ruck, J. Alejo, L. Barker, W. Werbel, R. Avery, D. Segev, P. Shah, *Johns Hopkins University School of Medicine, Baltimore, MD*

4:00 PM - 4:10 PM

Lung Transplant Recipients with Sars-cov2 Infection and Bnt162b2 Vaccination Induce Circulating Exosomes with Spike Protein S2 Capable of Inducing Immune Responses to Sars0-cov2 in Mice

S. Bansal¹, B. Tiffany¹, T. Fleming¹, S. Perincheri², M. Smith¹, R. Bremner¹, T. Mohanakumar¹, ¹St. Joseph's Hospital and Medical Center, Phoenix, AZ, ²Yale School of Medicine, New Haven, CT

Program Topic: Lung

Infectious Considerations for Lung Transplantation

3:30 PM - 5:00 PM

Moderators:

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

Lorenzo Zaffiri, MD, PhD, Duke University, Durham, NC, USA

3:30 PM - 3:40 PM

Prevalence and Characteristics of Covid-19-Associated Pulmonary Diagnoses in Lung Transplant Patients in the United States

T. G. Mupfudze¹, A. R. Wilk¹, R. R. Goff¹, M. Valapour², J. Miller³, M. Budev², E. D. Lease⁴, ¹Research Department, United Network for Organ Sharing, Richmond, VA, ²Respiratory Institute, Cleveland Clinic, Cleveland, OH, ³Scientific Registry of Transplant Recipients, Minneapolis, MN, ⁴Division of Pulmonary, Critical Care, and Sleep Medicine, University of Washington, Seattle, WA

3:40 PM - 3:50 PM

Humoral Response After a Third Dose of Sars-CoV-2 mRNA Vaccine in Transplant Recipients

A. E. Woolley, N. Sharma, G. Zhou, A. Kim, E. Ryan, M. Joyce, H. Goldberg, M. Givertz, M. Mehra, E. Woodcome, V. Durney, S. Marshall, K. Townsend, A. Coppolino, S. Tullius, S. Malek, H. Mallidi, L. Baden, A. Chandraker,

4:10 PM - 4:20 PM

Six-Month Outcomes Among Lung Transplant Patients with COVID-19

L. D. Mahan, J. Rose, M. Mohanka, A. Banga, *UT Southwestern Medical Center, Dallas, TX*

4:20 PM - 4:30 PM

The SHELTER Trial of Transplanting Donor Hepatitis C Virus RNA+ Lungs Into Uninfected Recipients

V. Potluri¹, P. Reese¹, S. Prenner¹, H. Mentch¹, D. Goldberg², T. Claridge¹, J. Smith¹, C. Gentile¹, V. Van Deerlin¹, R. Reddy¹, T. Fallah¹, C. Bermudez¹, M. Crespo¹, J. Diamond¹, ¹University of Pennsylvania, Philadelphia, PA, ²University of Miami, Miami, FL

4:30 PM - 4:40 PM

Infection Impacts dd-cfDNA in Lung Transplant Recipients

D. Levine¹, C. Giner¹, C. Pham², R. Woodward², A. Roux³, ¹University of Texas Health System San Antonio, San Antonio, TX, ²CareDX, South San Francisco, CA, ³Pneumology, Adult CF Center and Lung Transplantation Department, Foch Hospital, Suresnes, France

Program Topic: ID

Cytomegalovirus and other Herpes Viruses

3:30 PM - 5:00 PM

Moderators:

Aneesh Mehta, MD, Emory University School of Medicine, Atlanta, GA, USA

Hannah Imlay, MD, University of Utah, Salt Lake City, UT, USA

3:30 PM - 3:40 PM

Maribavir (MBV) versus Investigator-Assigned Therapy (IAT) for Refractory Cytomegalovirus (CMV) Infection (with or without Resistance) in Solid Organ Transplant (SOT) Recipients: Subgroup Safety Analysis of a Phase 3 Study

R. M. La Hoz¹, D. Florescu², D. Kumar³, F. Saliba⁴, J. Gu⁵, A. Sundberg⁵, ¹Univ. Texas Southwestern Medical Center, Dallas, TX, ²Univ. Nebraska Medical Center, Omaha, NE, ³Univ. Health Network, Toronto, ON, Canada, ⁴Univ. Paris Saclay, Paris, France, ⁵Takeda Development Center Americas, Inc., Lexington, MA

3:40 PM - 3:50 PM

Post-Kidney Transplant Valacyclovir versus Valganciclovir for CMV Prophylaxis: A Randomized Controlled Trial

P. S. Verghese¹, A. Matas², S. Chinnakotla², M. Evans³, H. Balfour Jr⁴, ¹Univ of Minnesota Pediatric Nephrology, Minneapolis, MN, ²Surgery, University of Minnesota Medical School, Minneapolis, MN, ³Biostatistics, University of Minnesota, Minneapolis, MN, ⁴Laboratory Medicine and Pathology, University of Minnesota, Minneapolis, MN

3:50 PM - 4:00 PM

An Interventional Study Using Cell-Mediated Immunity to Guide Primary Prophylaxis for CMV Infection in Organ Transplant Recipients: A Multi-Center Study

J. T. Solera¹, C. Cervera², S. Hosseini¹, J. Gill³, S. Shalhoub⁴, J. Zaltzman⁵, N. Pinzon¹, A. Humar¹, D. Kumar¹, ¹UHN, Toronto, ON, Canada, ²Alberta, Edmonton, AB, Canada, ³UBC, Vancouver, BC, Canada, ⁴LHSC, London, ON, Canada, ⁵StMH, Toronto, ON, Canada

4:00 PM - 4:10 PM

Cmv-Specific Cell-Mediated Immune Reconstitution in High-Risk Hematopoietic Cell Transplant Recipients Receiving Letermovir Prophylaxis

M. Z. Abidi¹, K. Garth¹, J. Gutman², A. Weinberg¹, ¹Medicine, Infectious Disease, University of Colorado, Aurora, CO, ²Medicine, Hematology and Oncology, University of Colorado, Aurora, CO

4:10 PM - 4:20 PM

Combined CyTOF and Elispot Investigation of CMV Response Over the First Year Post Kidney Transplantation

T. Jouve¹, L. Donadeu Casassas², S. Hartzell³, E. Crespo², M. Meneghini², A. Torija², P. Cravedi⁴, O. Bestard², ¹Nephrology, Vall d'Hebron Institut de Recerca (VHIR), Grenoble, Spain, ²Nephrology, Vall d'Hebron Institut de Recerca (VHIR), Barcelona, Spain, ³Mount Sinai Hospital, New York, NY, ⁴Mount Sinai, New York, NY

4:20 PM - 4:30 PM

CMV Specific T Cell Immune Response in Hepatitis C Negative Kidney Transplant Recipients Receiving Transplant from Hepatitis C Viremic Donors and Hepatitis C Negative Donors

M. Z. Molnar¹, M. Tsujita², M. Talwar², V. Balaraman², A. Bhalla², J. D. Eason², S. S. Nouer², K. Sumida², A. Rempert³, I. E. Hall¹, R. Griffin², G. George Rofaie⁴, A. Azhar⁵, ¹Department of Internal Medicine, Division of Nephrology & Hypertension, University of Utah, Salt Lake City, UT, ²University of Tennessee Health Science Center, Memphis, TN, ³Semmelweis University, Budapest, Hungary, ⁴Department of Surgery, Division of Transplantation and Advanced Hepatobiliary Surgery, University of Utah, Salt Lake City, UT, ⁵Division of Nephrology, Department of Medicine, Virginia Commonwealth University School of Medicine, Richmond, VA

4:30 PM - 4:40 PM

Post-Kidney Transplant Valacyclovir or Valganciclovir for EBV Prophylaxis: A Randomized Controlled Trial

P. S. Verghese¹, A. Matas², S. Chinnakotla², M. Evans³, H. Balfour Jr⁴, ¹Pediatric Nephrology, Northwestern University, Feinberg School of Medicine, Minneapolis, MN, ²Surgery, University of Minnesota Medical School, Minneapolis, MN, ³Biostatistics, University of Minnesota, Minneapolis, MN, ⁴Lab Medicine & Pathology, University of Minnesota, Minneapolis, MN

4:40 PM - 4:50 PM

Early Experience with Varicella Vaccination in Pediatric Heart Transplant Recipients

A. Dipchand, M. Seifert-Hansen, The Hospital of Sick Children, Toronto, ON, Canada

4:50 PM - 5:00 PM

Seroprevalence of HHV8 Among Donors and Recipients

with HIV

P. H. Nambiar¹, T. Liang², J. D. Motter³, W. Werbel³, S. Mehta⁴, V. Kirchner⁵, M. Rana⁶, S. Florman⁷, J. Odum⁸, W. Miley⁹, N. Labo⁹, D. Whitby⁹, A. Massie¹⁰, D. Segev³, A. Tobian³, C. Durand², ¹Medicine, Memorial Sloan Kettering Cancer Center, New York, NY, ²Medicine, Johns Hopkins University, Baltimore, MD, ³Johns Hopkins University, Baltimore, MD, ⁴New York University Langone Transplant Institute, New York, NY, ⁵University of Minnesota, Minneapolis, MN, ⁶Icahn School of Medicine at Mount Sinai, New York, NY, ⁷Mount Sinai Medical Center, New York, NY, ⁸National Institute of Health, Bethesda, MD, ⁹National Cancer Institute, Frederick, MD, ¹⁰Johns Hopkins School of Medicine, Baltimore, MD

Program Topic: ID

PTLD and Malignancies

3:30 PM - 5:00 PM

Moderators:

Christopher Blosser, M.D., University of Washington Department of Medicine, Nephrology Division, Seattle, WA, USA

Olivia Martinez, PhD, Stanford University Sch of Med, Stanford, CA, USA

3:30 PM - 3:40 PM

Tabelecleucel (Tab-cel) for Solid Organ (SOT) or Allogeneic Hematopoietic Cell Transplant (HCT) Recipients with Epstein-Barr Virus-Driven Post Transplant Lymphoproliferative Disease (EBV+ PTLD) After Failure Of Rituximab (R) ± Chemotherapy (CT) (ALLELE)

S. Prockop¹, A. Beitinjaneh², S. Choquet³, S. Dahiya⁴, R. Dinavahi⁵, R. Farah⁶, L. Gamelin⁵, A. Joshi⁵, A. Mehta⁵, P. Nayak⁵, R. Reshef⁷, G. Satyanarayana⁸, P. Stiff⁹, W. Ye⁵, K. M. Mahadeo¹⁰, ¹Boston Children's Hospital/Dana Farber Cancer Institute, Boston, MA, ²University of Miami/Jackson Memorial Hospital, Miami, FL, ³Sorbonne Université, Hôpital de la Pitié-Salpêtrière, Paris, France, ⁴University of Maryland School of Medicine, Baltimore, MD, ⁵Atara Biotherapeutics, South San Francisco, CA, ⁶UPMC Hillman Cancer Center, Pittsburgh, PA, ⁷Columbia University Medical Center, NY, NY, ⁸Ingram Cancer Center, Vanderbilt Health, Nashville, TN, ⁹Loyola University Medical Center, Chicago, IL, ¹⁰MD Anderson Cancer Center, Houston, TX

3:40 PM - 3:50 PM

Clinical Outcomes of Solid Organ Transplant (SOT) Patients with Epstein-Barr Virus-Driven (EBV+) Post-Transplant Lymphoproliferative Disease (PTLD) Who Fail Rituximab Plus Chemotherapy: A Multinational, Retrospective Chart Review Study

V. Dharnidharka¹, D. Thirumalai², U. Jaeger³, W. Zhao², D. Dierickx⁴, P. Xun², P. Minga⁵, A. Sawas⁶, N. Sadetsky⁷, P. Chauvet⁸, E. Sundaram⁹, A. Barlev⁷, H. Zimmermann¹⁰, R. U. Trappe¹⁰, ¹Washington University School of Medicine/St Louis Children's Hospital, St Louis, MO, ²Atara Biotherapeutics, Thousand Oaks, CA, ³Medical University of Vienna, Vienna, Austria, ⁴Universitair Ziekenhuis Leuven, Leuven, Belgium, ⁵Niguarda Ca' Granda Hospital, Milan, Italy, ⁶Herbert Irving Comprehensive Cancer Center, Department of Medicine, CUMC, New York, NY, ⁷Atara Biotherapeutics, South San Francisco, CA, ⁸Service des Maladies du Sang, CHU Lille, Lille, France, ⁹Nashville Biosciences, Nashville, TN, ¹⁰DIAKO Bremen, Bremen, Germany

3:50 PM - 4:00 PM

Risk of Post-Transplant Lymphoproliferative Disease After Anti-Thymocyte Globulin in Childhood Solid-Organ Transplant Recipients

A. M. McKay¹, C. Teoh¹, J. Vasilevska-Ristovka², J. Browne², T. Banh², A. Dipchand¹, V. Ng¹, M. Solomon¹, U. Allen¹, Y. Avitzur¹, R. Parekh³, ¹Transplant & Regenerative Medicine Centre, The Hospital for Sick Children, Toronto, ON, Canada, ²Child Health Evaluative Sciences, The Hospital for Sick Children, Toronto, ON, Canada, ³Division of Nephrology, Department of Medicine, Women's College Hospital and University Health Network, Toronto, ON, Canada

4:00 PM - 4:10 PM

EBV+ PTLD Tumor MicroRNAs Detected in Circulating Extracellular Vesicles Are Decreased in Pediatric Transplant Recipients with EBV+ PTLD

A. Sen¹, J. Enriquez¹, M. Rao¹, M. Glass¹, Y. Balachandran¹, S. Syed¹, C. Twist¹, K. Weinberg¹, S. D. Boyd¹, D. Bernstein¹, A. Trickey¹, D. Gratzinger¹, B. Tan¹, M. G. Lapasaran¹, M. A. Robien², M. Brown³, B. Armstrong⁴, M. Sever⁴, D. Desai⁵, G. Mazariegos⁶, C. Chin⁷, T. Fishbein⁸, R. S. Venick⁹, A. Tekin¹⁰, H. Zimmermann¹¹, R. U. Trappe¹², C. O. Esquivel¹, O. M. Martinez¹, S. M. Krams¹, ¹Stanford U, Palo Alto, CA, ²NIH, Bethesda, MD, ³NIAID, Bethesda, MD, ⁴Rho,

Durham, NC, ⁵UT Southwestern, Dallas, TX, ⁶Pittsburgh U, Pittsburgh, PA, ⁷CCHMC, Cincinnati, OH, ⁸Georgetown U, Washington, DC, ⁹UCLA, LA, CA, ¹⁰Miami U, Miami, FL, ¹¹DIAKO Ev. Diakonie-Krankenhaus, Bremen, Germany, ¹²Charité - Universitätsmedizin, Berlin, Germany

4:10 PM - 4:20 PM

Mortality in Solid Organ Transplant Recipients with a Pretransplant Cancer Diagnosis

A. Hart¹, R. Pfeiffer², B. Morawski³, C. Lynch⁴, Y. Zeng⁵, K. Pawlish⁶, K. Yu⁷, D. Hurley⁸, E. Engels⁷, ¹Hennepin Healthcare, University of Minnesota, Minneapolis, MN, ²Division of Cancer Epidemiology and Genetics, National Cancer Institute, Bethesda, MD, ³Cancer Registry of Idaho, Boise, ID, ⁴Epidemiology, University of Iowa, Iowa City, IA, ⁵North Dakota Statewide Cancer Registry, Grand Forks, ND, ⁶New Jersey State Cancer Registry, Trenton, NJ, ⁷Infections and Immunoepidemiology Branch, National Cancer Institute, Bethesda, MD, ⁸University of South Carolina, Columbia, SC

4:20 PM - 4:30 PM

Kidney Transplantation in Patients Postradical Prostatectomy

S. Karhadkar, K. Wirshup, J. Kolansky, A. Gregor, J. Dawes, A. DiCarlo, Temple University Hospital, Philadelphia, PA

4:30 PM - 4:40 PM

Characterizing the Landscape of Cancer Risk Following HLA-Incompatible Living Donor Kidney Transplantation

J. D. Motter¹, K. Jackson¹, K. Yu², R. M. Pfeiffer², A. Massie¹, J. Garonzik-Wang³, D. Segev¹, E. A. Engels², ¹Johns Hopkins University, Baltimore, MD, ²National Cancer Institute, Bethesda, MD, ³University of Wisconsin-Madison, Madison, WI

4:40 PM - 4:50 PM

Association of Native Kidney Disease with De Novo Cancer Development After Kidney Transplant

Y. Caliskan¹, D. Axelrod², R. Li¹, W. Cheungpasitporn³, M. Schnitzler¹, M. McAdams DeMarco⁴, J. Ahn⁴, T. Alhamad⁵, H. Randall¹, S. Bae⁴, D. Segev⁴, K. L. Lentine¹, ¹Saint Louis University, Saint Louis, MO, ²University of Iowa, Iowa City, IA, ³Mayo Clinic, Rochester, MN, ⁴Johns Hopkins University, Baltimore, MD, ⁵Washington University in Saint Louis, Saint Louis, MO

Program Topic: Organ Inclusive

Disparities to Outcome and Access to Healthcare

3:30 PM - 5:00 PM

Moderators:

Kimberly Jacob Arriola, PhD, MPH, Emory University, Rollins School of Public Health, Atlanta, GA, USA
Lisa McElroy, MD, Duke University, Durham, NC, USA

3:30 PM - 3:40 PM

Changes in Health Equity Under Liver Acuity Circles Allocation

S. Noreen, J. Foutz, A. Henderson, D. Stewart, United Network for Organ Sharing, Richmond, VA

3:40 PM - 3:50 PM

Social Determinants of Health Impact Successful Listing for Liver and Kidney Transplant

J. B. Henson, D. Mohottige, J. M. Wilder, A. J. Muir, L. M. McElroy, Duke University, Durham, NC

3:50 PM - 4:00 PM

Comparing Disparities in Access to First and Re-Kidney Transplantation Among Hispanic and Black Adults in the United States

S. Sandal¹, J. Ahn², V. Thompson³, T. Purnell⁴, M. Cantarovich⁵, D. Segev³, M. McAdams DeMarco³, ¹McGill University, Montreal, QC, Canada, ²SOM, Johns Hopkins University, Baltimore, MD, ³Johns Hopkins University, Baltimore, MD, ⁴Johns Hopkins School of Medicine, Baltimore, MD, ⁵McGill University Health Ctr, Montreal, QC, Canada

4:00 PM - 4:10 PM

The Other Reasons for Waitlist Removal

C. Martinez, J. Foutz, A. Placona, L. Cartwright, United Network for Organ Sharing, Richmond, VA

4:10 PM - 4:20 PM

Individual and Community-Level Social Determinants of Health in Liver Transplant

M. Yilma¹, R. Cogan², N. Mehta³, J. Neuhaus², J. Voelkel⁴, C. Light⁵, I. Allen², R. Hirose², ¹General Surgery, University of California, San Francisco, San Francisco, CA, ²University of California, San Francisco, San Francisco, CA, ³UCSF, San Francisco, CA, ⁴Kaiser Permanente Northern California, San Francisco, CA,

⁵UCSF Medical Center, San Francisco, CA

4:20 PM - 4:30 PM

Moral Distress Among Palliative Care and Transplant Clinicians in the Context of Transplant Care

K. Ladin¹, E. Park², J. Perugini², K. Aufort², T. Porteny²,
¹Tufts University, Medford, MA, ²REACH Lab, Tufts University, Medford, MA

4:30 PM - 4:40 PM

Area Deprivation Index is Associated with Worse Patient Survival Following Adult Liver Transplantation

J. Hendele¹, J. Perkins², J. Nichols³, A. Dick¹, ¹Division of Transplant Surgery, Department of Surgery, University of Washington, Seattle, WA, ²Clinical and Bio-Analytics Transplant Laboratory (CBATL), University of Washington, Division of Transplant Surgery, Department of Surgery, Seattle, WA, ³School of Medicine, University of Washington, Seattle, WA

4:40 PM - 4:50 PM

Race Inequity in Liver Transplant Waitlisting: Effect Modification by Psychosocial Factors and the Stanford Integrated Psychosocial Assessment for Transplant

S. Deutsch-Link¹, L. Nephew², E. Weinberg³, R. Weinrieb⁴, M. Serper³, ¹Gastroenterology & Hepatology, University of North Carolina, Chapel Hill, NC, ²Gastroenterology & Hepatology, Indiana University, Chapel Hill, NC, ³Gastroenterology & Hepatology, University of Pennsylvania, Philadelphia, PA, ⁴Psychiatry, University of Pennsylvania, Philadelphia, PA

4:50 PM - 5:00 PM

Cognitive Bias in Transplant Surgery: A Qualitative Study of Transplant Clinicians in the United States

K. Ladin¹, J. Perry², C. Eiduson³, ¹REACH Lab, Tufts University, Medford, MA, ²Harvard University, Cambridge, MA, ³University of Rochester School of Medicine & Dentistry, Rochester, NY

Program Topic: Basic

Xenotransplantation

3:30 PM - 5:00 PM

Moderators:

Megan Sykes, MD, Columbia University, New York, NY, USA

Tatsuo Kawai, MD, Massachusetts General Hospital, Weston, MA, USA

3:30 PM - 3:40 PM

CD14⁺ Monocytes Play a Critical Role in Initiating Xenorecognition, Costimulation and Immune-Responses to Porcine Endothelial Cells

H. Xu, A. Kirk, H. Xu, *Duke University School of Medicine, Durham, NC*

3:40 PM - 3:50 PM

Long-Term (>1 Year) Rejection Free Graft Survival of Kidney Xenografts with Triple Xenoeantigen Knockout and Multiple Human Transgenes in Cynomolgus Monkeys

T. Hirose¹, G. Lassiter¹, D. Ma¹, A. D'Attilio¹, I. Rosales¹, D. Cloonan¹, R. Matheson¹, R. Colvin¹, W. Qin², Y. Kan², J. Layer², R. Anand², V. Paragas², L. Queroz², X. Tan², I. Kohnle², K. Stiede², K. Hall², M. Youd², M. Curtis², J. Markmann¹, T. Kawai¹, ¹Center for Transplantation Sciences, Massachusetts General Hospital, Boston, MA, ²eGenesis Inc, Cambridge, MA

3:50 PM - 4:00 PM

The Renin Angiotensin System (RAS) After Pig-to-Baboon Kidney Transplantation

C. Hansen-Estruch¹, M. H. Bikhet¹, M. Javed¹, D. Ayares², A. Katsurada³, R. Satou³, W. Shao³, D. K. Cooper¹, L. G. Navar³, E. Judd⁴, ¹Surgery, University of Alabama at Birmingham, Birmingham, AL, ²Revivacor, Blacksburg, VA, ³Department of Physiology and Hypertension and Renal Center, Tulane University, New Orleans, LA, ⁴Division of Nephrology, Department of Medicine, University of Alabama at Birmingham, Birmingham, AL

4:00 PM - 4:10 PM

Prolonged Xeno-Kidney Graft Survival in Highly Allo-Sensitized Nonhuman Primate Using Triple-Knockout Donor Pigs with 7 Human Transgenes

M. Manook¹, D. Olaso¹, I. Anwar¹, J. Yoon¹, M. Song¹, A. B. Farris², K. Stiede³, K. Hall³, M. Youd³, S. Knechtle¹, J. Kwun¹, ¹Surgery, Duke Transplant Center, Durham, NC, ²Pathology, Emory University, Atlanta, GA, ³eGenesis Inc, Cambridge, MA

4:10 PM - 4:20 PM

First Report of Xenotransplantation from a Pig to Human Recipient

J. Stern¹, V. Tatapudi¹, B. Lonze¹, Z. Stewart¹, M.

Mangiola¹, M. Wu¹, S. Mehta¹, E. Weldon¹, R. Dieter¹, N. Lawson¹, A. Griesemer², B. Parent¹, G. Piper¹, P. Sommer¹, S. Cawthon¹, B. Sullivan¹, N. Ali¹, R. A. Montgomery¹, ¹NYU Langone Transplant Institute, New York, NY, ²CUMC, New York, NY

4:20 PM - 4:30 PM

Histocompatibility Findings in the First Xenotransplants from a Pig to Deceased Human Recipient

M. Mangiola, V. Tatapudi, J. Stern, Z. Stewart Lewis, B. Lonze, N. Ali, R. Montgomery, *Transplant Institute, NYU Langone Transplant Institute, New York, NY*

4:30 PM - 4:40 PM

First-in-Human Clinical-Grade Porcine Kidney Xenotransplant

J. E. Locke¹, B. Orandi¹, V. Kumar¹, J. Houpp¹, D. Anderson¹, V. Hauptfeld¹, D. Martin², C. Killian¹, S. Macedon¹, N. Budd¹, K. Stegner¹, A. Dandro³, M. Kokkinaki³, K. Kuravi³, R. Reed⁴, H. Fatima¹, G. Baker¹, J. Perry¹, E. Bryant¹, M. Cheung¹, E. Erman¹, K. Kraebber¹, T. Gamblin¹, L. Guy¹, D. Ayares³, P. Porrett¹, ¹University of Alabama at Birmingham, Birmingham, AL, ²Deakin University, Geelong, Australia, ³Revivacor, Incorporated, Blacksburg, VA, ⁴University of Alabama at Birmingham, Irondale, AL

4:40 PM - 4:50 PM

Life Supporting Orthotopic Cardiac Xenotransplantation Using Multiple Human Gene Expressing Pigs in Non Human Primates

A. K. Singh¹, C. Goerlich¹, T. Zhang¹, I. Tatarov¹, P. Odonkor¹, E. Strauss¹, B. Williams¹, B. Lewis¹, A. Hershfeld¹, F. Sentz¹, D. Ayares², D. Kaczorowski¹, B. Griffith¹, M. Mohiuddin¹, ¹Department of Surgery, University of Maryland, Baltimore, MD, ²Revivacor Inc, Blacksburg, WV

4:50 PM - 5:00 PM

Presence of Infiltrating Regulatory T Cells in the Cardiac Xenografts and Their Potential Role in Graft Survival

A. K. Singh¹, C. E. Goerlich¹, G. Braileanu¹, A. Hershfeld¹, T. Zhang¹, I. Tatarov¹, B. Lewis¹, F. Sentz¹, D. Ayares², B. Griffith¹, M. M. Mohiuddin¹, ¹Department of Surgery, University of Maryland School of Medicine, Baltimore, MD, ²Revivacor Inc, Blacksburg, WV

Program Topic: Basic

Histocompatibility and Endothelial/Lymphatic Cell Biology

3:30 PM - 5:00 PM

Moderators:

Reza Abdi, Harvard, Cambridge, MA, USA
Malek Kamoun, MD PhD, Hospital Univ of Pennsylvania, Philadelphia, PA, USA

3:30 PM - 3:40 PM

Autencoder, a Novel Computational Tool to Score T Cell Clones Demonstrates Biopsy T Cell Clones Are Not Represented in the Peripheral Blood

N. Borcharding, A. Leckie-Harre, H. Wu, B. D. Humphreys, A. F. Malone, *Washington University, St Louis, MO*

3:40 PM - 3:50 PM

HLA DSA May Not Be Detected in Many Solid Organ Recipients

J. C. Quon¹, R. M. Lestz², J. Menteer², N. Fotiadis², L. A. Baxter-Lowe², ¹Keck School of Medicine, Los Angeles, CA, ²Children's Hospital Los Angeles, Los Angeles, CA

3:50 PM - 4:00 PM

Novel Phenotype of Intragraft Endothelial Cells That Modulates CD4⁺ T Effector-Mediated Rejection

J. Wedel, K. Liu, T. Seto, S. Kong, D. M. Briscoe, *Boston Children's Hospital, Boston, MA*

4:00 PM - 4:10 PM

DEPTOR: A Novel Endothelial-Specific Regulator of Cell-Intrinsic Anti-Inflammation Following Transplantation

C. Testini¹, S. Bose¹, K. Liu¹, S. Kong¹, E. Flynn¹, M. Mioviski¹, J. Leyva-Rangel¹, M. Laplante², J. Wedel¹, D. M. Briscoe¹, ¹Boston Children's Hospital and Harvard Medical School, Boston, MA, ²Laval University, Quebec, QC, Canada

4:10 PM - 4:20 PM

More Than Just Drain Pipes, Pulmonary Lymphatics Play a Pivotal Role in the Development of Bronchiolitis Obliterans Syndrome

L. Wang¹, R. Han², H. Outtz Reed³, W. W. Hancock², ¹Children's Hospital of Phila, Philadelphia, PA, ²Children's Hospital of Philadelphia, Philadelphia, PA, ³Weill Cornell,

New York, NY

4:20 PM - 4:30 PM

Fibroblastic Reticular Cell Subset Transcriptional Reprogramming Differs in Response to Immunity versus Tolerance

L. Li¹, Y. Song¹, M. Shirkey¹, A. Kensiski¹, W. Piao¹, V. Saxena¹, S. Gavzy¹, B. Ma¹, R. Abdi², J. Bromberg¹,
¹UMB, Baltimore, MD, ²Harvard University, Boston, MD

4:30 PM - 4:40 PM

Bcl6 Regulates NFκB-Controlled Endothelial Inflammation and Apoptosis

A. Franco Acevedo, N. Valenzuela, *Pathology and Laboratory Medicine, UCLA, Los Angeles, CA*

4:40 PM - 4:50 PM

Do Clinical & Pathologic Signs of Rejection Develop Following Transplantation of Tissue Containing Non-Autologous Mitochondria in an Autologous Nuclear Cloned Host?

S. Jacob¹, M. L. Baack², A. Savinov³, P. J. Wettstein⁴,
¹Cardiothoracic Surgery and transplantation, Mayo Clinic, Jacksonville, FL, ²Division of Neonatology, University of South Dakota – Sanford School of Medicine, Sioux Falls, SD, ³Sanford Research, University of South Dakota School of Medicine, Sioux Falls, SD, ⁴Departments of Surgery and Immunology, Mayo Clinic, Rochester, MN

4:50 PM - 5:00 PM

Acute Graft versus Host Disease (AGVHD) Related to Solid Organ Transplant (SOT) - A Fatal Complication

H. Shaikh¹, J. Awosika¹, B. Barakoti¹, B. Hambley¹, C. Alquist², ¹University of Cincinnati Medical Center, Cincinnati, OH, ²Hoxworth Blood Center, Cincinnati, OH

Program Topic: All Topics

Late Breaking: Clinical

3:30 PM - 5:00 PM

Moderators:

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

John Friedewald, MD, Northwestern University, Chicago, IL, USA

3:30 PM - 3:40 PM

Establishment And Validation Of A Predictive Model For Differential Rejection Diagnosis By Gene Expression Profiling (GEP) In Renal Allograft Biopsies Using Banff Human Organ Transplant (B-HOT) Gene Panel

H. Zhang¹, R. Haun², F. Collin¹, C. Cassol², S. Coley², J. Wilson², S. Stone¹, K. Qu¹, W. Tian¹, N. Agrawal¹, G. Shekhtman¹, C. Larsen², ¹CareDx, Inc., Brisbane, CA, ²Arkana Laboratories, Little Rock, AR

3:40 PM - 3:50 PM

Phase I/ii Car-Treg Cell Therapy Clinical Trial To Induce Long-term Tolerance In Liver Transplant Patients

A. Sanchez-Fueyo¹, A. Taylor¹, D. Collin², C. Nathalie², S. Chris², M. Martinez-Llordella², N. Belmonte², I. McGill², D. Hartl², ¹King's College London, London, United Kingdom, ²Quell Therapeutics Ltd, London, United Kingdom

3:50 PM - 4:00 PM

Donor Organ Utilization And Transplantation Outcomes In Donation After Circulatory Death Using Thoracoabdominal Normothermic Regional Perfusion

M. Urban, S. Merani, N. W. Markin, A. Castleberry, J. Um, *University of Nebraska Medical Center, Omaha, NE*

4:00 PM - 4:10 PM

The Post-operative Clinical Outcomes Of 59 Tanrp Cases In An International Cohort

J. Louca¹, N. Patel¹, S. Messer², J. Chindu², S. Large²,
¹Cambridge University, Cambridge, United Kingdom, ²Royal Papworth Hospital, Cambridge, United Kingdom

4:10 PM - 4:20 PM

Healthcare Cost And Kidney Allocation In Liver Recipients With Kidney Disease

Y. Lu¹, X. Cheng², S. Sanoff³, L. McElroy³, ¹University of Michigan, Ann Arbor, MI, ²Stanford University, Palo Alto, CA, ³Duke University, Durham, NC

4:20 PM - 4:30 PM

Early Clinical Experience With Nirmatrelvir/ritonavir For Treatment Of Covid-19 In Solid Organ Transplant Recipients

D. Salerno¹, D. Jennings², N. Lange³, D. Kovac¹, T. Shertel¹, J. Chen⁴, J. Hedvat⁵, J. Scheffert¹, R. S. Brown⁶, M. Pereira⁷, ¹NewYork-Presbyterian Hospital, New York, NY, ²Long Island University, Brooklyn, NY, ³Pharmacy, NewYork-Presbyterian Hospital, New York, NY, ⁴Columbia University Irving Medical Center, Fort Lee, NJ,

⁵New York Presbyterian Hospital, Tenafly, NJ, ⁶Weill Cornell Medicine, New York, NY, ⁷New York Presbyterian Hospital, New York, NY

4:30 PM - 4:40 PM

130 Totally Robotic Donor Hepatectomy: Reproducibility Of A Standardized Technique Across 2 Specialized Centers

Y. Cheah¹, H. Yang², C. J. Simon¹, J. Kim³, M. Akoad³, G. Choi², ¹Roger L Jenkins Transplant Institute, Lahey Hospital & Medical Center, Burlington, MA, ²Division of HPB Surgery, Yonsei University College of Medicine, Seoul, Korea, Republic of, ³Lahey Hospital & Medical Center, Burlington, MA

4:40 PM - 4:50 PM

Renal Transplants In Hepatitis C Negative Recipients With Nucleic Acid Positive Donors Using Two Weeks Of DAA Prophylaxis (Rehanna - 2)

N. M. Desai¹, S. Leung¹, J. Motter¹, F. Naqvi², N. Bair¹, B. Barnaba², D. Warren¹, D. Segev¹, C. Durand², ¹Surgery, Johns Hopkins University, Baltimore, MD, ²Medicine, Johns Hopkins University, Baltimore, MD

Sponsor Networking

5:00 PM - 5:30 PM

Program Topic: All Topics

Join your fellow colleagues in Exhibit Hall C & D, Level 2 for networking with sponsors. Beverages snacks will be served.

Rapid Fire Oral Abstract Sessions

5:30 PM - 7:00 PM

Program Topic: Kidney

Kidney Living Donor: Long Term Outcomes

5:30 PM - 7:00 PM

Moderators:

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

Reem Daloul, MD, Allegheny General Hospital, Pittsburgh, PA, USA

5:30 PM - 5:40 PM

25-Year Risk of ESRD Among Living Kidney Donors

J. Wainright¹, A. Robinson¹, A. Wilk¹, D. Klassen², W. Cherikh¹, D. Stewart¹, ¹Research, UNOS, Richmond, VA, ²Office of the Chief Medical Officer, UNOS, Richmond, VA

5:40 PM - 5:50 PM

Prediction of ESRD Risk in Living Kidney Donors Through Thirty Years Post-Donation

A. Massie¹, J. Snyder², M. Levan¹, D. Brennan¹, F. Al-Ammary¹, D. Segev¹, ¹Johns Hopkins, Baltimore, MD, ²Scientific Registry of Transplant Recipients, Minneapolis, MN

5:50 PM - 6:00 PM

Living Donor Kidney Transplant in Recipients with Glomerulonephritis: Donor Recipient Biologic Relationship and Allograft Outcomes

R. El-Rifai¹, R. Spong¹, A. Bregman¹, K. Swanson¹, S. Jackson², S. Riad¹, ¹Nephrology, University of Minnesota, Minneapolis, MN, ²MHealth, Minneapolis, MN

6:00 PM - 6:10 PM

Validation of a Hypertension Risk Calculator for Living Kidney Donors

E. S. Helgeson¹, S. Vempati¹, E. F. Palzer¹, G. MjØen², A. J. Haugen³, A. Matas⁴, ¹Division of Biostatistics, University of Minnesota, Minneapolis, MN, ²Department of Transplant Medicine, Oslo University Hospital, Oslo, Norway, ³Department of Internal Medicine, Bærum Hospital, Sandvika, Norway, ⁴Department of Surgery, University of Minnesota, Minneapolis, MN

6:10 PM - 6:20 PM

Evaluation of Diabetes-Free Life Expectancy Among Living Kidney Donors and Non-Donors with Obesity: A Longitudinal Cohort Study

C. Killian¹, R. Reed¹, M. McLeod¹, P. MacLennan¹, V. Kumar¹, S. Brooks¹, A. Maynor¹, L. Stanford¹, G. Baker¹, C. Schinstock², J. Silkensen³, G. Roll⁴, D. Segev⁵, B. Orandi¹, C. Lewis¹, J. Locke¹, ¹University of Alabama at Birmingham, Birmingham, AL, ²Mayo Clinic, Rochester, MN, ³Hennepin County Medical Center, Minneapolis, MN, ⁴UCSF Medical Center, San Francisco, CA, ⁵Johns Hopkins University, Baltimore, MD

6:20 PM - 6:30 PM

BMI Trajectory and Attributable Risk of New Onset

Hypertension Among Obese Living Kidney Donors

R. D. Reed¹, M. C. McLeod¹, P. A. MacLennan¹, V. Kumar¹, S. E. Brooks¹, A. G. Maynor¹, L. A. Stanford¹, G. A. Baker¹, C. A. Schinstock², J. R. Silkensen³, G. R. Roll⁴, D. L. Segev⁵, B. J. Orandi¹, C. E. Lewis⁶, J. E. Locke¹,
¹Surgery, University of Alabama at Birmingham, Birmingham, AL, ²Nephrology and Hypertension, Mayo Clinic, Rochester, MN, ³Medicine, Hennepin County Medical Center, Minneapolis, MN, ⁴Surgery, University of California San Francisco, San Francisco, CA, ⁵Surgery, Johns Hopkins University, Baltimore, MD, ⁶Epidemiology, University of Alabama at Birmingham, Birmingham, AL

6:30 PM - 6:40 PM

Post-Kidney Donation Pregnancy Complications and Long-Term Outcomes

E. F. Palzer¹, E. S. Helgeson¹, M. Evans², D. Vock¹, A. Matas³,
¹Biostatistics, University of Minnesota, Minneapolis, MN, ²Clinical and Translational Science Institute, University of Minnesota, Minneapolis, MN, ³Surgery, University of Minnesota Medical School, Minneapolis, MN

6:40 PM - 6:50 PM

Long-Term Outcomes for Living Kidney Donors with Early Guideline-Concordant Follow-Up Care

A. Dhalla¹, A. Lloyd², K. L. Lentine³, A. X. Garg⁴, R. R. Quinn¹, P. Ravani¹, S. W. Klarenbach², B. R. Hemmelgarn², U. Ibelo¹, N. N. Lam¹,
¹Department of Medicine, Division of Nephrology, University of Calgary, Calgary, AB, Canada, ²Department of Medicine, Division of Nephrology, University of Alberta, Edmonton, AB, Canada, ³Center for Abdominal Transplantation, Saint Louis University, St. Louis, MO, ⁴Department of Medicine, Division of Nephrology, Western University, London, ON, Canada

6:50 PM - 7:00 PM

Establishing a Framework for Long-Term Follow-Up: A Survey of Perspectives and Preferences of Living Kidney Donors

S. K. Singh¹, N. Caton², O. Johnston², C. S. Hanson³, A. Dominello³, K. Yetzer⁴, D. Chang², A. Tong³, J. S. Gill²,
¹Department of Medicine, University of Toronto, Toronto, ON, Canada, ²Department of Medicine, University of British Columbia, Vancouver, BC, Canada, ³Sydney School of Public Health, University of Sydney, Sydney,

Australia, ⁴Canadian Blood Services, Ottawa, ON, Canada

Program Topic: Kidney

Kidney: Pediatrics

5:30 PM - 7:00 PM

Moderators:

Priya Verghese, MBBS, MD, MPH, Lurie Children's Pediatric Nephrology, Chicago, IL, USA

Jaimie Nathan, MD, Nationwide Children's Hospital, Columbus, OH, USA

5:30 PM - 5:40 PM

Validation of a Prediction System for Risk of Allograft Loss (iBOX) in Pediatric Kidney Transplant Recipients

J. Hogan¹, G. Divard², R. Garro³, O. Boyer⁴, M. Seifert⁵, J. Smith⁶, B. Toenshoff⁷, K. Twombly⁸, B. Warady⁹, P. Weng¹⁰, R. Zaar¹¹, R. Patzer¹², A. Loupy²,
¹Pediatric Nephrology, Robert Debré Hospital, APHP, Paris, France, ²Paris Transplant Group, INSERM, Paris, France, ³Pediatric Nephrology, Children Healthcare of Atlanta, Atlanta, GA, ⁴Pediatric Nephrology, Necker Hospital, Paris, France, ⁵UAB School of Medicine, Birmingham, AL, ⁶Pediatric Nephrology, Seattle Children, Seattle, WA, ⁷University Children's Hospital, Heidelberg, Germany, ⁸Medical University of South Carolina, Charleston, SC, ⁹Children's Mercy Hospital, Kansas City, MO, ¹⁰Pediatric Nephrology, David Geffen School of Medicine at UCLA, Los Angeles, CA, ¹¹Pediatric Nephrology, Le Bonheur Children's Hospital, Memphis, TN, ¹²Emory Transplant Center, Emory University, Atlanta, GA

5:40 PM - 5:50 PM

Pre-Emptive Rituximab to Prevent Post Transplant Lymphoproliferative Disorder (PTLD) in Pediatric Kidney Transplant Recipients with EBV DNAemia: A Case Series from the Pediatric Nephrology Research Consortium (PNRC)

I. Ashoor¹, S. Ranabothu², S. Al-Akash³, A. Moudgil⁴, Y. Shi⁴, S. Kizilbash⁵, D. Puliya⁶, V. Dharnidharka⁷,
¹LSU Health Sciences Center New Orleans, New Orleans, LA, ²Arkansas Children's Hospital, Little Rock, AR, ³Driscoll Children's Hospital, Corpus Christie, TX, ⁴Children's National Medical Center, Washington, DC, ⁵University of Minnesota Medical Center, Minneapolis, MN, ⁶Cedars-Sinai Medical Center, Los Angeles, CA, ⁷Washington

University in St. Louis, St Louis, MO

5:50 PM - 6:00 PM

Comparing Long-Term Outcomes of Steroid-Based versus Steroid-Avoidant Immunosuppression in Pediatric Kidney Transplant Recipients

N. Hayde¹, E. Blanchette², J. Zhang³, M. Chandran², M. Bock², S. Galbiati³, T. Blydt-Hansen⁴, ¹Montefiore Medical Center, Bronx, NY, ²Children's Hospital Colorado, Aurora, CO, ³Emmes Corporation, Rockville, MD, ⁴University of British Columbia, Vancouver, BC, Canada

6:00 PM - 6:10 PM

HLA-DR/DQ Single Molecule Eplet Mismatch and Formation of De Novo Donor-Specific Anti-HLA Antibodies After Kidney Transplantation in Children

V. K. Sigurjonsdottir¹, K. Piburn¹, P. C. Grimm¹, B. M. Zhang², ¹Division of Nephrology, Department of Pediatrics, Stanford University, Palo Alto, CA, ²Histocompatibility and Immunogenetics Laboratory, Stanford Blood Center, Palo Alto, CA

6:10 PM - 6:20 PM

Non-HLA Antibodies to G Protein-Coupled Receptors and Allograft Survival in Pediatric Kidney Transplant Recipients: Short- and Long-Term Outcomes

M. Pearl¹, L. Chen¹, P. Weng¹, E. T. Chambers², E. F. Reed³, ¹UCLA, Los Angeles, CA, ²Pediatrics, Duke University, Durham, NC, ³Univ of California LA, Los Angeles, CA

6:20 PM - 6:30 PM

Disruption of B Cell Population is Associated with Increased Infections in Pediatric Transplant Recipients

B. Geng, L. Loop, C. Anterasian, D. Mortazavi, J. Kitsen, C. Collins, K. Newton, E. Ingulli, *Pediatrics, UCSD Rady Children's, San Diego, CA*

6:30 PM - 6:40 PM

Abnormal B Cell Profile Associated with Inadequate Antibody Response to mRNA SARS-COV-2 Vaccine Can Be Overcome with a Third Vaccine Dose in Adolescent Kidney Transplant Recipients

C. Crane, E. Phebus, L. Loop, C. Anterasian, B. Geng, E. Ingulli, *Pediatrics, UCSD Rady Children's, San Diego, CA*

6:40 PM - 6:50 PM

Donor-Derived Cell-Free DNA as a Biomarker of T Cell Mediated Rejection in Pediatric Kidney Transplant

Patients

R. Dandamudi¹, S. Federman², R. Woodward², S. Dholakia², L. Walther¹, V. Dharnidharka¹, ¹Pediatrics, Washington University School of Medicine in St. Louis, St. Louis, MO, ²CareDx, Brisbane, CA

6:50 PM - 7:00 PM

Changes in Diastolic Function and Cardiac Geometry After Pediatric Kidney Transplant: A Longitudinal Study

K. Sgambat¹, S. Clauss², A. Moudgil¹, ¹Nephrology, Children's National Hospital, Washington DC, DC, ²Cardiology, Children's National Hospital, Washington DC, DC

Program Topic: Kidney

Kidney Complications: Chronic Antibody Mediated Rejection & Immune Mediated Late Graft Failure

5:30 PM - 7:00 PM

Moderators:

Alexander Wiseman, MD, Porter Adventist Hospital - Transplant Services | Centura Health, Denver, CO, USA

Amishi Desai, DO, Loyola University Medical Center, Maywood, IL, USA

5:30 PM - 5:40 PM

Focal Distribution of TCMR Causes False Negative Results in Spatially Resolved Molecular Diagnostic Assays

P. Randhawa, Y. Huang, *University of Pittsburgh, Pittsburgh, PA*

5:40 PM - 5:50 PM

Digital Spatial Profiling of Kidney Allograft Biopsies with Chronic Allograft Dysfunction in African American Transplant Recipients

C. R. Dorr¹, S. A. Elmer¹, B. Wu², B. Guo², J. Czyzyk², G. Crary³, G. Onyeaghala¹, W. Oetting², P. Jacobson², R. B. Mannon⁴, G. Agarwal⁵, J. Maltzman⁶, A. Matas², A. Israni³, ¹Hennepin Healthcare Research Institute, Minneapolis, MN, ²University of Minnesota, Minneapolis, MN, ³Hennepin County Medical Center, Minneapolis, MN, ⁴Medicine, University of Nebraska Medical Center, Omaha, NE, ⁵University of Alabama at Birmingham, Birmingham, AL, ⁶Stanford University, Palo Alto, CA

5:50 PM - 6:00 PM

Single Cell RNA Sequencing Identifies Primarily Terminal

Effector and Exhausted CD8⁺T Cells in Chronically Rejected Human Kidney Allografts
S. G. Yi¹, D. Zou¹, Y. Dai², Z. Zhao², W. Chen¹, A. Gaber¹, ¹Department of Surgery, Houston Methodist Hospital, Houston, TX, ²School of Biomedical Informatics, The University of Texas Health Science Center at Houston, Houston, TX

6:00 PM - 6:10 PM

Clinical Evolution of Patients with De Novo DSA After Kidney Transplantation
C. López del Moral¹, N. Lachmann², S. Hergovits², D. Stauch², A. Akifova³, M. Naik³, B. Osmanodja³, D. Schmidt³, K. Budde³, ¹Nephrology department-IDIVAL, Hospital Universitario Marqués de Valdecilla, Santander, Spain, ²Institute for Transfusion Medicine, HLA-Laboratory, Charité - Universitätsmedizin, Berlin, Germany, ³Department of Nephrology and Medical Intensive Care, Charité - Universitätsmedizin, Berlin, Germany

6:10 PM - 6:20 PM

A Novel Application of SRTR Data to Interrogate the Effects of HLA-DQ Mismatches in Kidney Transplantation
D. Isaacson¹, M. W. Gmeiner², V. Kosmoliaptsis³, H. C. Copley³, J. D. Schold⁴, A. R. Tambur¹, ¹Northwestern University, Chicago, IL, ²London School of Economics, London, United Kingdom, ³Cambridge University, Cambridge, United Kingdom, ⁴Cleveland Clinic, Cleveland, OH

6:20 PM - 6:30 PM

Recipient MCPgaac Haplotype is Associated with Poor Graft Survival in Recipients with De Novo Thrombotic Microangiopathy
V. Petr¹, D. Csuka², P. Hrubá³, Á. Szilágyi², Z. Prohászka², O. Viklicky¹, ¹Dept. of Nephrology, Institute for Clinical and Experimental Medicine, Prague, Czech Republic, ²Dept. of Medicine and Hematology, Semmelweis University, Budapest, Hungary, ³Transplant Laboratory, Institute for Clinical and Experimental Medicine, Prague, Czech Republic

6:30 PM - 6:40 PM

Predictors of Response to Belatacept Conversion in Kidney Transplant Patients with Chronic Active Antibody-Mediated Rejection
D. Kumar¹, R. Winstead¹, H. Iftikhar¹, R. Minniti¹, S.

Khorsandi¹, J. Christensen¹, I. Yakubu¹, I. Moinuddin¹, L. Kamal¹, P. Halloran², G. Gupta¹, ¹Virginia Commonwealth University, Richmond, VA, ²University of Alberta, Edmonton AB, AB, Canada

6:40 PM - 6:50 PM

Which is More Important for Predicting De Novo DSA Production, B Cell Epitope (EPLET) or T Cell Epitope (PIRCHE) Analysis ?

T. Kobayashi¹, T. Tomosugi², S. Sakamoto², S. Ashimine¹, K. Iwasaki¹, M. Niemann³, E. Spierings⁴, Y. Miwa¹, M. Okumura¹, K. Ishiyama¹, A. Takeda², N. Goto², S. Narumi², Y. Watarai², ¹Aichi Medical University School of Medicine, Nagakute, Japan, ²Nagoya Daini Red Cross Hospital, Nagoya, Japan, ³PIRCHE AG, Berlin, Germany, ⁴UMC Utrecht, Utrecht, Netherlands

6:50 PM - 7:00 PM

Three-Way Comparison of Central DSA, %dd-cf DNA, and Molecular Biopsy Findings in the Trifecta Study
P. F. Halloran¹, L. G. Hidalgo², Z. Demko³, A. Prewett³, J. Reeve¹, C. Lawrence⁴, D. Lowe⁴, P. Billings³, .. and the Trifecta Investigators⁵, ¹Alberta Transplant Applied Genomics Centre, Edmonton AB, AB, Canada, ²University of Wisconsin, Madison, WI, ³Natera Inc., San Carlos, CA, ⁴One Lambda Inc., West Hills, CA, ⁵.,., AB, Canada

Program Topic: Liver

Cirrhosis: Complications, Portal Hypertension and Renal Management

5:30 PM - 7:00 PM

Moderators:
Mitra Nadim, MD, University of Southern California, Los Angeles, CA, USA
Ming Lin, MD, Lahey Hospital & Medical Center, Burlington, MA, USA

5:30 PM - 5:40 PM

Gender Affects the Association Between Serum Creatinine Levels and Clinical Response to Terlipressin in Patients with Hepatorenal Syndrome Type of Acute Kidney Injury
K. Jamil¹, R. Frederick², S. Pappas³, ¹Hepatology, Mallinckrodt Pharmaceuticals, Clinton, NJ, ²Liver Disease/Hepatology & Transplant Hepatology, California Pacific Medical Center, San Francisco, CA, ³Orphan

Therapeutics, LLC, Longboat Key, FL

5:40 PM - 5:50 PM

Transjugular Intrahepatic Portosystemic Shunt Placement is Associated with Increased All-Cause and Cardiac Mortality in Those Undergoing Liver Transplant for Nonalcoholic Steatohepatitis

D. U. Lee¹, J. Han², J. Kwon², K. Chang², G. Fan², K. Lee¹, N. Urrunaga³, C. Bhati¹, D. Maluf³, K. Shetty³,
¹Department of Gastroenterology and Hepatology, University of Maryland, Baltimore, MD, ²Tufts Medical Center, Boston, MA, ³University of Maryland, Baltimore, MD

5:50 PM - 6:00 PM

Liver Transplantation in Patients with Portal Vein Thrombosis: Implications and Outcomes

D. Noguchi, C. J. Rosenthal, M. Ha, V. G. Agopian, D. G. Farmer, F. M. Kaldas, *Liver and Pancreas Transplant Center, UCLA, Los Angeles, CA*

6:00 PM - 6:10 PM

Kidney Transplant Alone Recipients with Advanced Liver Disease Have Similar Outcomes to Those without Advanced Liver Disease

R. R. Nathani, S. M. Rutledge, C. Villarroel, R. Shapiro, G. Y. Im, *Icahn School of Medicine at Mount Sinai, New York, NY*

6:10 PM - 6:20 PM

Patient-Reported Physical Function Correlates with Liver Frailty Index and 4-Meter Gait Speed in Patients with Cirrhosis

A. J. Thuluvath, J. Peipert, K. Belfanti, S. Morrissey, O. Siddiqui, J. Levitsky, Z. Dietch, A. Flores, D. P. Ladner, *Northwestern University Feinberg School of Medicine, Chicago, IL*

6:20 PM - 6:30 PM

Long-Term Outcomes of Crossmatch Positive Simultaneous Liver Kidney Transplants in the United States

S. Riad¹, E. Aby¹, S. Jackson², P. Nguyen³, N. Lim¹, J. Lake¹, ¹Medicine, University of Minnesota, Minneapolis, MN, ²Mhealth-Fairview, Minneapolis, MN, ³Surgery, University of Minnesota, Minneapolis, MN

6:30 PM - 6:40 PM

Renal Failure is Reversible in the Majority of Patients

Transplanted for Alcohol-Associated Hepatitis: A Review of the UNOS Database

Y. Bekki, G. Im, T. Schiano, S. Florman, *Icahn School of Medicine at Mount Sinai, RMTI, New York, NY*

6:40 PM - 6:50 PM

Race-Based Differences in Simultaneous Liver and Kidney Transplant Utilization and Outcomes

L. Subbaraj¹, J. Lai², G. Cullaro², ¹Department of Internal Medicine, University of California San Francisco, San Francisco, CA, ²University of California San Francisco, San Francisco, CA

6:50 PM - 7:00 PM

Higher Baseline Serum Creatinine Levels Are Associated with an Increased Incidence of Renal Replacement Therapy in Patients with Hepatorenal Syndrome Type 1 on the Liver Transplant Waitlist

S. N. Sclair¹, A. Befeler², K. Jamil³, ¹Hepatology, University Hospitals Cleveland Medical Center & Case Western Reserve University, Cleveland, OH, ²Gastroenterology, Hepatology, Transplant Hepatology, Saint Louis University School of Medicine, St Louis, MO, ³Hepatology, Mallinckrodt Pharmaceuticals, Clinton, NJ

Program Topic: Liver

Surgery innovative Techniques Including Living Donor

5:30 PM - 7:00 PM

Moderators:

Elizabeth Pomfret, MD, PhD, University of Colorado Anschutz Medical Campus, Cherry Hills Village, CO, USA
Tarunjeet Klair, M.D., University of Texas Health San Antonio, San Antonio, TX, USA

5:30 PM - 5:40 PM

Ex Vivo Liver Resection and Autotransplantation - Should It Be Used More Frequently?

J. Weiner¹, A. Griesemer¹, A. Hemming², D. Levi³, T. Beduschi⁴, R. Matsumoto¹, A. Mathur¹, J. Emond¹, T. Kato¹, ¹Columbia University Irving Medical Center, New York, NY, ²University of Iowa, Iowa City, IA, ³Atrium Health, Charlotte, NC, ⁴University of Florida, Gainesville, FL

5:40 PM - 5:50 PM

Early Outcomes for Liver Transplant with Thoracoabdominal Normothermic Regional Perfusion for Donation After Circulatory Death: A Multi-Center Experience

A. L. Brubaker¹, A. Lee¹, B. Jackson¹, J. Berumen¹, J. R. Parekh¹, K. L. Mekeel¹, A. R. Gupta², J. M. Gardner², T. Chaly³, A. K. Mathur⁴, C. Jadlowiec⁴, K. Reddy⁴, R. Nunez⁴, J. Bellingham⁵, E. Thomas⁶, J. R. Wellen⁷, M. Kearns¹, V. Pretorius¹, G. T. Schnickel¹, ¹UC San Diego, San Diego, CA, ²UC San Francisco, San Francisco, CA, ³Arizona Transplant Associates, Phoenix, AZ, ⁴Mayo Clinic Arizona, Phoenix, AZ, ⁵California Pacific Medical Center, Orinda, CA, ⁶University of Texas, San Antonio, TX, ⁷Washington University, Saint Louis, MO

5:50 PM - 6:00 PM

Normothermic Machine Perfusion in Liver Transplantation - Seven Year Experience at a Single North American Centre

J. Hefler¹, D. L. Izuierdo¹, G. Meeberg², M. Bral¹, B. Anderson¹, K. Dajani¹, N. Kneteman¹, D. L. Bigam¹, A. Shapiro¹, ¹Department of Surgery, University of Alberta, Edmonton, AB, Canada, ²Alberta Health Services, Edmonton, AB, Canada

6:00 PM - 6:10 PM

Variation in Adult Living Donor Liver Transplantation in the United States: Identifying Opportunities for Increased Utilization

K. Lentine¹, D. Axelrod², M. Schnitzler¹, R. Li¹, M. Dew³, T. Bitterman⁴, K. Olthoff⁴, J. Locke⁵, S. Emre⁶, H. Hunt⁷, T. Tanaka², A. Liapakis⁶, ¹Saint Louis University, St. Louis, MO, ²U Iowa, Iowa City, IA, ³U Pittsburgh, Pittsburgh, PA, ⁴U Penn, Philadelphia, PA, ⁵UAB, Birmingham, AL, ⁶Yale, New Haven, CT, ⁷UNOS, Richmond, VA

6:10 PM - 6:20 PM

Selection of the Recipient Artery Used for Arterial Reconstruction in Living Donor Liver Transplantation: Does It Impact Biliary Reconstruction Outcomes

A. M. Elsabbagh, A. M. Sultan, A. Marwan, A. Shehta, T. Salah, M. Elshobary, A. Monier, M. Eldesoky, R. Said, M. Elmorshedi, W. Elsarraf, A. Yassen, O. Fathy, M. Abdel Wahab, Liver Transplantation Unit, Gastroenterology Surgical Center, Mansoura University, Mansoura, Egypt

6:20 PM - 6:30 PM

The Enhanced Recovery After Surgery (ERAS) Program for Donor Hepatectomy; Useful Method for Donor Safety? Or Unnecessary Hindrance?

H. Choi¹, G. Na², H. Park¹, Y. Woo¹, Y. Choi¹, S. Park¹, Y. You¹, ¹Seoul St. Mary's hospital, The Catholic University of Korea, Seoul, Korea, Republic of, ²Bucheon St. Mary's hospital, The Catholic University of Korea, Bucheon, Korea, Republic of

6:30 PM - 6:40 PM

Creating a Workflow for the Electronic Medical Record Allows Living Donor Liver Transplantation Programs to Track Candidates and Identify Areas for Optimization

A. Liapakis¹, R. Batra¹, E. Cohen², D. Haakinson¹, M. Schilsky¹, K. Ventura², D. Mulligan¹, ¹Yale University School of Medicine, New Haven, CT, ²Yale New Haven Hospital, New Haven, CT

6:40 PM - 6:50 PM

Public Acceptance of Living Donor Liver Transplant for Colorectal Liver Metastases: A National Survey

E. Pope-Collins, M. Nickels, K. Dokus, J. Martens, E. Keller, R. Hernandez-Alejandro, B. Al-Judaibi, University of Rochester, Rochester, NY

Program Topic: Heart

Heart and VADs: All Topics I

5:30 PM - 7:00 PM

Moderators:

Palak Shah, MD, MS, Inova Heart and Vascular Institute, Falls Church, VA, USA

Mirnela Byku, MD PhD, University of North Carolina, Chapel Hill, NC, USA

5:30 PM - 5:40 PM

Effect of Covid-19 Vaccination on Markers of Rejection in Heart Transplant Recipients

Z. Pieters¹, E. Bruno¹, S. Kim¹, S. De Sirkar¹, M. Thomas¹, S. B. Sharmin², M. Liebo¹, A. Heroux¹, N. Clark¹, G. Reid¹, S. Uprichard², M. Yu¹, ¹Medicine, Loyola University Medical Center, Maywood, IL, ²Loyola University Chicago, Chicago, IL

5:40 PM - 5:50 PM

Cost-Effectiveness of Transplanting Hepatitis C Donor

Hearts Into Hepatitis C Uninfected Recipients

A. R. Gandhi¹, A. E. Woolley², L. R. Baden², M. M. Givertz², M. L. Jones¹, J. Kim³, H. R. Mallidi², M. R. Mehra², A. M. Neilan¹, ¹Massachusetts General Hospital, Boston, MA, ²Brigham and Women's Hospital, Boston, MA, ³Harvard T.H. Chan School of Public Health, Boston, MA

5:50 PM - 6:00 PM

The Gut Microbiome in the Critical Care Setting Post-Heart Transplantation

M. Dela Cruz¹, H. Lin², E. Adler², M. Khalid², J. Boissiere², G. Kim¹, S. Pinney¹, E. Pamer², A. Nguyen¹, ¹Section of Cardiology, University of Chicago, Chicago, IL, ²Duchossois Family Institute, University of Chicago, Chicago, IL

6:00 PM - 6:10 PM

Outcomes of a Standardized Antibody-Mediated Rejection (AMR) Treatment Protocol in Heart Transplant Recipients (HTR)

J. Lee, T. Sam, J. Van Zyl, S. Mckean, L. Fuller, N. Wilson, A. Dao, R. Gottlieb, S. Hall, R. Patel, Baylor University Medical Center, Dallas, TX

6:10 PM - 6:20 PM

Post Heart Transplant Outcomes of Desensitized Durable Mechanical Circulatory Support Patients

J. Youn¹, D. Kim², J. Choi², K. Kim¹, I. Kim³, E. Kransdorff⁴, D. Chang⁴, M. Kittleson⁴, J. Patel⁴, R. Cole⁴, J. Moriguchi⁴, D. Ramzy⁵, F. Esmailian⁵, J. A. Kobashigawa⁴, ¹Seoul St. Mary's Hospital, The Catholic University of Korea, Seoul, Korea, Republic of, ²Heart Vascular Stroke Institute, Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, Korea, Republic of, ³Keimyung University Dongsan Hospital, Daegu, Korea, Republic of, ⁴Department of Cardiology, Smidt Heart Institute, Cedars-Sinai Medical Center, Los Angeles, CA, ⁵Department of Cardiothoracic Surgery, Smidt Heart Institute, Cedars-Sinai Medical Center, Los Angeles, CA

6:20 PM - 6:30 PM

Increase in Exception and Extension Requests for Higher-Urgency Patients Under the New Heart Allocation Policy

J. R. Golbus¹, Y. Ahn², B. K. Nallamotheu¹, M. N. Walsh³, D. Zaun², A. Israni², M. Colvin¹, ¹University of Michigan, Ann Arbor, MI, ²Hennepin Healthcare Research Institute,

Minneapolis, MN, ³Ascension St. Vincent Heart Center, Carmel, IN

6:30 PM - 6:40 PM

Pregnancy After Heart Transplant Does Not Negatively Impact Long Term Patient Survival

M. J. Moritz¹, D. Lee², C. Madu², S. Hossain³, L. A. Coscia⁴, S. Rao⁵, S. Constantinescu⁶, ¹Surgery, Lehigh Valley Health Network, Allentown, PA, ²Cardiovascular Medicine, University of South Florida, Morsani College of Medicine, Tampa, FL, ³Data Analytics, University of South Florida, Muma College of Business, Tampa, FL, ⁴Transplant Pregnancy Registry International, Philadelphia, PA, ⁵Nephrology, University of Virginia Health System, Charlottesville, VA, ⁶Medicine, Lewis Katz School of Medicine at Temple University, Philadelphia, PA

6:40 PM - 6:50 PM

Combined Heart-Liver Transplantation for Failing Fontan Physiology: A Large Single Center Comparative Analysis

C. J. Rosenthal¹, D. Noguchi¹, J. A. Aboulhosn², G. S. Van Arsdell³, A. Nsair⁴, M. Ha¹, L. Reardon², G. Lluri⁴, J. P. Lin⁴, S. Saab¹, A. Baird¹, R. S. Venick¹, D. G. Farmer¹, F. M. Kaldas¹, ¹Liver and Pancreas Transplant Center, UCLA, Los Angeles, CA, ²Ahmanson/UCLA Adult Congenital Heart Disease Center, UCLA, Los Angeles, CA, ³Cardiac Surgery, UCLA, Los Angeles, CA, ⁴Cardiology, UCLA, Los Angeles, CA

6:50 PM - 7:00 PM

Renal Graft Outcomes in Simultaneous Heart-Kidney Transplantation

K. Okumura, S. Ohira, M. Kai, K. Wolf, A. L. Gass, D. Spielvogel, N. Singh, D. Glicklich, D. John, T. Diflo, S. Lansman, S. Nishida, A. Dhand, Westchester Medical Center / New York Medical College, Valhalla, NY

Program Topic: Pharmacy

Non-Organ Specific: Clinical Pharmacy/Transplant Pharmacotherapy

5:30 PM - 7:00 PM

Moderators:

Lyndsey Bowman, PharmD, BCPS, BCTXP, FCCP, FAST, Tampa General Hospital, Lithia, FL, USA

Barrett Crowther, PharmD, BCPS, FCCP, FAST,
 UCHealth, Aurora, CO, USA

5:30 PM - 5:40 PM

Assessment of the Prevalence of Burnout and Well-Being in Solid Organ Transplant Pharmacists

M. Harris¹, N. Pilch², C. Doligalski³, E. Henriksen⁴, J. Melaragno⁵, A. Lichvar⁶, ¹Duke University Hospital, Durham, NC, ²Medical University of South Carolina, Charleston, SC, ³University of North Carolina, Chapel Hill, NC, ⁴Stanford Healthcare, Stanford, CA, ⁵University of Rochester, Rochester, NY, ⁶UC San Diego Health, La Jolla, CA

5:40 PM - 5:50 PM

Development and Validation of a Medication Safety Dashboard in Veteran Transplant Recipients: Preliminary Results of a Multicenter Cluster-Randomized Controlled Clinical Trial

D. Taber¹, R. Felkner², K. Rife³, D. Cooney³, S. Laforest³, E. Santa⁴, N. Super⁵, C. Hall⁶, T. Goddard¹, R. Alexander¹, ¹MUSC, Charleston, SC, ²Madison VA, Madison, WI, ³Cleveland VA, Cleveland, OH, ⁴Atlanta VA, Atlanta, GA, ⁵Chicago VA, Chicago, IL, ⁶Charleston VA, Charleston, SC

5:50 PM - 6:00 PM

Prescription Opioid Use May be More Detrimental to Younger Kidney Transplant Recipients: A Machine Learning Approach

J. Kim¹, S. Bae¹, J. Ahn¹, K. Lentine², D. Segev¹, M. McAdams-DeMarco¹, ¹Johns Hopkins, Baltimore, MD, ²Saint Louis University, St. Louis, MO

6:00 PM - 6:10 PM

Impact of a Pharmacist on Transitions and Ambulatory Outcomes in Lung Transplant Recipients

A. Yang, R. McKnight, A. Prom, M. Byrne, R. Evans, C. Doligalski, UNC Health, Chapel Hill, NC

6:10 PM - 6:20 PM

Impact of a Pharmacy-Led Post-Transplant Diabetes Mellitus Clinic in Solid Organ Transplant Recipients

H. Sweiss¹, R. Hall¹, M. Flores², S. Bhayana¹, R. Patel¹, C. Long², ¹University Health - University Hospital, San Antonio, TX, ²College of Pharmacy, University of Incarnate Word, San Antonio, TX

6:20 PM - 6:30 PM

Comparison of Immediate-Release Tacrolimus to Envarsus XR on the Development of Donor Specific Antibodies in Kidney Transplant Recipients

R. A. Arora, C. Kane, K. Lang, M. Kapugi, C. D'Agostino, K. Cunningham, S. H. Park, Northwestern Memorial Hospital, Chicago, IL

6:30 PM - 6:40 PM

Reduction of Discharge Opioid Prescriptions After Kidney Transplantation: A Quality Improvement Project

A. W. Rogers, E. Rizk, J. T. Swan, S. G. Yi, M. Hobeika, R. R. McMillan, J. C. Krisl, H. Podder, A. O. Gaber, R. J. Knight, Houston Methodist Hospital, Houston, TX

6:40 PM - 6:50 PM

Poor Tolerability of CFTR Modulator Therapy in Lung Transplant Recipients

C. Doligalski, C. McKinzie, A. Yang, R. Coakley, UNC Health, Chapel Hill, NC

Program Topic: ID

COVID-19 Infections Part 1: All Organs

5:30 PM - 7:00 PM

Moderators:

Elena Beam, M.D, Mayo Clinic College of Medicine, Rochester, MN, USA

Aruna Subramanian, MD, Stanford University, Stanford, CA, USA

5:30 PM - 5:40 PM

Utilization and Discard of Organs from Covid -19 Infected Donors: A Us National Registry Analysis

A. Azhar¹, I. Moinuddin¹, A. B. Gungor², M. K. Morales¹, M. Z. Molnar³, B. Tanriover², G. Gupta¹, ¹Virginia Commonwealth University, Richmond, VA, ²University of Arizona, Tucson, AZ, ³University of Utah, Salt Lake City, UT

5:40 PM - 5:50 PM

Donor Derived Transmissions 2020: Analysis of the OPTN Ad Hoc Disease Transmission Advisory Committee (DTAC) with a Focus on COVID-19

R. M. La Hoz¹, A. Agarwal¹, G. Berry¹, K. Dunn¹, J. Goldman¹, S. Ho¹, M. Kittleson¹, D. H. Lee¹, D. J. Levine¹, C. Marboe¹, G. Marklin¹, S. Pouch¹, R.

Razonable¹, S. Taimur¹, H. Te¹, A. Woolley¹, C. Fox², C. Jett², S. Booker², D. K. Klassen², L. Danziger-Isakov¹,
¹OPTN DTAC, Richmond, VA, ²UNOS, Richmond, VA

5:50 PM - 6:00 PM

COVID-19 in Solid Organ Transplant: A Global Perspective
.. C19TxR Consortium, ESOT, NHSBT, UNOS, CareDx,
 South San Francisco, CA

6:00 PM - 6:10 PM

Post-Acute Sequelae of Sars-Cov-2 Infection in Solid Organ Transplant Recipients

S. Alasfar¹, T. Chiang¹, A. J. Snyder², M. T. Ou¹, B. Boyarsky¹, A. T. Abedon¹, J. L. Alejo¹, W. Cochran¹, J. M. Garonzik-Wang³, D. C. Brennan¹, T. Vannorsdall¹, D. L. Segev¹, R. K. Avery¹,
¹Johns Hopkins University, Baltimore, MD, ²University of Washington, Seattle, WA, ³University of Wisconsin, Madison, WI

6:10 PM - 6:20 PM

Higher Immunogenicity of a Third Heterologous Dose with BNT262b2 Messenger RNA Vaccine Compared to a Homologous Dose in Kidney Transplant Recipients Fully Vaccinated with Inactivated Whole-Virion CoronaVac Vaccine

L. V. Pouzo¹, M. Nakamura¹, L. A. Viana², E. Lucena¹, M. Jesus¹, G. Bittencourt Pereira Lima¹, J. Medina¹, H. Tedesco¹, M. Cristelli¹,
¹Hospital do Rim, Universidade Federal de São Paulo, São Paulo, Brazil, ²Nephrology, Hospital do rim, Sao Paulo, Brazil

6:20 PM - 6:30 PM

Better Antibody Response After a Dose of Ad.26.cov2.s vs mRNA Vaccines in Seronegative Transplant Recipients After 2-Dose mRNA Vaccination

J. L. Alejo¹, T. Chiang¹, J. Mitchell¹, A. Abedon¹, L. Thomas¹, A. Chang¹, S. Bae¹, R. Avery¹, A. Tobian¹, A. Massie¹, M. Levan¹, D. Warren¹, J. Garonzik-Wang², D. Segev¹, W. Werbel¹,
¹JHU, Baltimore, MD, ²U of Wisconsin, Madison, WI

6:30 PM - 6:40 PM

Covid-19 in Pediatric Kidney Transplant: A Follow-Up Report of the Improving Renal Outcomes Collaborative
C. Varnell, L. Harshman, M. Seifert, D. Hooper, Cincinnati Children's Hospital Medical Center, Cincinnati, OH

6:40 PM - 6:50 PM

Role of Vaccination in the COVID-19 Nationwide Cohort

(N3C) of Solid Organ Transplant Recipients

A. J. Vinson¹, A. Anzalone², R. Dai², E. French³, A. Olex³, J. Sun⁴, G. Agarwal⁵, S. Lee⁶, R. B. Mannon⁷,
¹Nova Scotia Health Authority, Halifax, NS, Canada, ²University of Nebraska Medical Center, Omaha, NE, ³Wright Center for Clinical and Translational Research, Richmond, VA, ⁴Johns Hopkins University Bloomberg School of Public Health, Baltimore, MD, ⁵University of Alabama at Birmingham, Birmingham, AL, ⁶University of Saskatchewan, Regina, SK, Canada, ⁷Medicine, University of Nebraska Medical Center, Omaha, NE

6:50 PM - 7:00 PM

Outcomes of SARS-CoV-2 Infection in Unvaccinated Compared with One or Two Dose Vaccinated Solid Organ Transplant Recipients: A Multicenter, Matched Cohort Study

V. G. Hall¹, G. Alahmadi², J. T. Solera², T. Marinelli², H. Cardinal³, G. Ramesh Prasad⁴, S. A. De Serres⁵, D. Isaac⁶, R. Mainra⁷, C. Lamarche⁸, R. Sapir-Pichhadze⁹, S. Gilmour¹⁰, J. Matelski², A. Humar², D. Kumar²,
¹University Health Network/Toronto General Hospital, Toronto, ON, Canada, ²UHN, Toronto, ON, Canada, ³Department of Medicine, UMontreal, Montreal, QC, Canada, ⁴Kidney Transplant Program, St. Michael's Hospital, Toronto, ON, Canada, ⁵Transplantation Unit, Renal division, Laval University, Quebec, QC, Canada, ⁶Division of Transplant Medicine, University of Calgary, Calgary, AB, Canada, ⁷University Health Center of Saskatchewan, Saskatoon, SK, Canada, ⁸Hôpital Maisonneuve-Rosemont Research Institute, Montreal, QC, Canada, ⁹McGill University, Montreal, QC, Canada, ¹⁰Stollery Children's Hospital, Edmonton, AB, Canada

Program Topic: Basic

Immunosuppression and Tolerance: Preclinical and Translational Studies

5:30 PM - 7:00 PM

Moderators:

Adam Griesemer, Associate Professor of Surgery, NYU Langone Health, New York, NY, USA
Denise Lo, MD, Emory University School of Medicine, Atlanta, GA, USA

5:30 PM - 5:40 PM

Ex Vivo Modification of Vascular Allografts Using Immunosuppressive and Anti-Inflammatory Polymers Prevent Rejection via Localized Immunosuppression
 H. D. Luo¹, E. M. Siren¹, W. Enns², L. Sim¹, C. Du¹, S. G. Withers¹, J. Choy³, J. N. Kizhakkedathu¹, ¹The University of British Columbia, Vancouver, BC, Canada, ²Simon Fraser University, Burnaby, BC, Canada, ³Molecular Biology and Biochemistry, Simon Fraser University, Burnaby, BC, Canada

5:40 PM - 5:50 PM

Achievement of Persistent Mixed Chimerism in Recipients of Matched and Mismatched Living Donor Kidney Transplants in a Tolerance Induction Protocol
 J. D. Scandling, S. Busque, R. Lowsky, T. Pham, R. Hoppe, K. Jensen, A. Shori, H. Wu, R. Pawar, E. Engleman, E. Meyer, S. Strober, *Stanford University School of Medicine, Stanford, CA*

5:50 PM - 6:00 PM

Using mTOR Inhibitor Nanoimmunotherapy to Induce Cardiac Allograft Tolerance in Non-Human Primates
 J. M. O¹, P. M. Patel², A. J. Teunissen³, C. L. Miller⁴, T. Costa¹, M. Momodu¹, D. Muldoon¹, A. Dehnadi¹, I. M. Hanekamp¹, V. Pothula⁵, R. Sanchez-Tarjuelo⁶, G. Prevot⁶, W. J. Mulder⁶, J. Allan⁷, J. Ochando⁸, J. Madsen⁹, ¹MGH, Boston, MA, ²Emory University, Atlanta, GA, ³Icahn School of Medicine at Mount Sinai, New York, NY, ⁴Center for Transplantation Sciences, Massachusetts General Hospital, Boston, MA, ⁵Icahn School of Medicine at Mount Sinai, New York, NY, ⁶Icahn School of Medicine at Mount Sinai, New York, NY, ⁷Massachusetts General Hospital - Harvard Medical School, Marblehead, MA, ⁸Mount Sinai School of Med, New York, NY, ⁹Massachusetts General Hospital, Boston, MA

6:00 PM - 6:10 PM

Belatacept-Based Maintenance Immunosuppression Promoted Long-Term Antibody-Mediated Rejection Free Graft Survival After Desensitization in Sensitized Multiparous Female Recipients
 M. Manook, I. Anwar, R. Schmitz, Z. Fitch, J. Yoon, A. Jackson, J. Kwun, S. Knechtle, *Duke Transplant Center, Durham, NC*

6:10 PM - 6:20 PM

MTOR Inhibition Acts Directly on Endothelial Cells to Induce Contact-Independent Immune-Modulation of Allo-

Specific T Cell Activation

H. Xu, L. Wang, V. A. Bendersky, Q. Gao, Q. Li, A. D. Kirk, H. Xu, *Duke University School of Medicine, Durham, NC*

6:20 PM - 6:30 PM

Long-Term Rejection Free Renal Allograft Survival with Fc-Modified Anti-cd154 Antibody Monotherapy in Nonhuman Primates

G. Lassiter, T. Hirose, A. D'Attilio, T. Kawai, *MGH Center for Transplantation Sciences, Boston, MA*

6:30 PM - 6:40 PM

Identification of a Unique and Mechanistic Urinary Cell mRNA Signature in Tolerant Kidney Transplant Recipients Conditioned with FCR001 Facilitating Cells

J. Lee¹, J. R. Leventhal², C. Li³, R. Ding¹, S. Ildstad⁴, M. Suthanthiran⁵, ¹Weill Cornell Medicine, New York, NY, ²Surgery, Northwestern Medicine, Chicago, IL, ³Medicine, WCMC, New York, NY, ⁴Univ Louisville / Talaris, Louisville, KY, ⁵Weill Cornell Med, New York, NY

6:40 PM - 6:50 PM

FasL-Presenting PEG Microgels Supports Sustained Graft Survival in Nonhuman Primates in the Absence of Continuous Immunosuppression

E. S. Yolcu¹, J. Lei², M. M. Coronel³, H. Deng⁴, Z. Yang⁴, A. Zhang⁴, T. Chen⁵, K. Lee⁴, C. Peters⁴, I. Rosales⁴, Z. Wang⁴, J. Markmann⁴, A. Garcia³, H. Shirwan¹, ¹University of Missouri at Columbia, Columbia, MO, ²Surgery, Mass General, Boston, MA, ³Georgia Institute of Technology, Atlanta, GA, ⁴Massachusetts General Hospital, Boston, MA, ⁵Xiamen University Medical School, Xiamen, China

6:50 PM - 7:00 PM

Pd-1 Licenses Activated Treg for Lymphatic Migration

W. Piao¹, L. Li¹, V. Saxena¹, K. Hippen², M. Shirkey¹, B. Blazar², I. Lape³, y. zhang³, J. Bromberg¹, ¹Surgery, University of Maryland, Baltimore, MD, ²University of Minnesota, Minneapolis, MN, ³Harvard Medical School, Boston, MA

Program Topic: Basic

Cellular/Islet Therapies and Tissue Engineering

5:30 PM - 7:00 PM

Moderators:

James Mathew, PhD, Northwestern University, Arlington Heights, IL, USA

Ronald Gill, PhD, University of Colorado, Aurora, CO, USA

5:30 PM - 5:40 PM

Pancreatic Islets Engineered with Thrombomodulin Show Enhanced Engraftment in an Intraportal Transplantation Model by Mitigating Instant Blood-Mediated Inflammatory Reactions

A. Turan¹, L. Zhang², M. Tarique², V. Ulker², E. Yolcu³, H. Shirwan³, ¹Molecular Microbiology and Immunology, University of Missouri at Columbia, Columbia, MO, ²Department of Child Health, University of Missouri at Columbia, Columbia, MO, ³Child Health and Molecular Microbiology and Immunology, University of Missouri at Columbia, Columbia, MO

5:40 PM - 5:50 PM

Autologous Mesenchymal Stem Cells for Treatment of Chronic Antibody-Mediated Kidney Graft Rejection: Report of the First Phase I/II Clinical Case Series

U. Večerič-Haler¹, M. Sever², N. Kojc³, G. Mlinšek¹, M. Oblak¹, P. Halloran⁴, A. Aleš Rigler¹, J. Buturović Ponikvar¹, M. Arno⁵, ¹Nephrology, UMC Ljubljana, Ljubljana, Slovenia, ²Haematology, UMC Ljubljana, Ljubljana, Slovenia, ³Institute of Pathology, Faculty of Medicine, University of Ljubljana, Ljubljana, Slovenia, ⁴Division of Nephrology and Transplant Immunology, University of Alberta, Alberta Transplant Applied Genomics Centre, Edmonton, AB, Canada, ⁵University Medical Centre Ljubljana, Ljubljana, Slovenia

5:50 PM - 6:00 PM

Rhesus-Primatized Mouse Model Generated Using Transgenic Immunodeficient Mice

C. Little¹, W. J. Haynes¹, L. Huang¹, C. Daffada¹, K. B. Wolfe², E. Perrin², J. A. Simpson¹, J. A. Kropp Schmidt², H. M. Hinkle², L. T. Keding², R. T. Behrens², D. T. Evans², D. Kaufman¹, J. A. Thomson², T. G. Golos², M. Brown¹, ¹Surgery, University of Wisconsin, Madison, WI, ²University of Wisconsin, Madison, WI

6:00 PM - 6:10 PM

Maturation and Evaluation of 3D Printed Bionic Pancreas with a Dedicated Bioreactor

A. Berman¹, M. Klak², T. Dobrzanski³, T. Bryniarski³, M.

Kolodziejska³, G. Tymicki³, M. Wszola³, ¹Polbionica Ltd., Warsaw, Poland, ²Foundation for Research and Science Development, Warsaw, Poland, ³Foundation of Research and Science Development, Warsaw, Poland

6:10 PM - 6:20 PM

Electrospun Poly-ε-Caprolactone Scaffolds Incorporating Decellularized Extracellular Matrix for Suturable Tissue Engineered Small Vascular Graft

A. Han¹, S. Min¹, E. Cho¹, H. Woo¹, A. Cho¹, J. Ha¹, Y. Ju², S. Min¹, ¹Department of Surgery, Seoul National University College of Medicine, Seoul, Korea, Republic of, ²Wake Forest Institute for Regenerative Medicine, Winston-Salem, NC

6:20 PM - 6:30 PM

Optimization of Human Liver Organoid Model for Nonalcoholic Fatty Liver Disease and Nonalcoholic Steatohepatitis

Y. Park¹, D. Thadasina¹, K. Isidan¹, K. J. Lopez¹, A. Cross-Najafi¹, P. Li¹, H. Francis², G. Alpini², W. Zhang¹, B. Ekser¹, ¹Surgery, Indiana University School of Medicine, Indianapolis, IN, ²Division of Gastroenterology & Hepatology, Indiana University School of Medicine, Indianapolis, IN

6:30 PM - 6:40 PM

Human PBMC-Transferred Murine MHC Class I/II-Deficient NOG Mice Enable Long-Term Evaluation of Human Immune Responses to Human Induced Pluripotent Stem Cell-Derived Cardiomyocyte Sheets

R. Matsumoto, Center for Immune Therapeutics and Diagnosis, Juntendo University, Tokyo, Japan

6:40 PM - 6:50 PM

Plasma from Patients with Primary Focal Segmental Glomerulosclerosis Induce Development of Sclerotic Glomeruli in Kidney Organoids

A. Kumar Gupta¹, E. Minocha¹, J. A. Wertheim¹, L. Gallon², ¹Department of Surgery, University of Arizona College of Medicine, Tucson, AZ, ²Department of Medicine, Northwestern University Feinberg School of Medicine, Chicago, IL

6:50 PM - 7:00 PM

Role of Mitochondrial Transplantation in Enhancing Liver Regeneration Following Partial Hepatectomy

G. Lamanilao¹, C. Watkins¹, C. Kuscu¹, C. Kuscu¹, J. Eason², A. Bajwa¹, ¹Transplant Research Institute, James



D. Eason Transplant Institute, Department of Surgery,
The University of Tennessee Health Science Center,
Memphis, TN, ²University of Tennessee/Methodist
Transplant Institute, Memphis, TN

Program Topic: Basic

Innate Immunity, Chemokines, Cytokines, and Complement

5:30 PM - 7:00 PM

Moderators:

Manikkam Suthanthiran, MD, Weill Cornell Med Ctr.,
New York, NY, USA

Paige Porrett, MD PhD, University of Alabama at
Birmingham, Birmingham, AL, USA

5:30 PM - 5:40 PM

Donor-Derived IL-33 Plays a Critical Role in Lung Allograft Acceptance

Y. Guo¹, Z. Mei¹, M. Khalil¹, D. Li¹, A. Banerjee¹, A. Gelman², D. Kreisel², A. Krupnick¹, ¹Department of Surgery, University of Maryland, Baltimore, Baltimore, MD, ²Washington University School of Medicine in St Louis, Saint Louis, MO

5:40 PM - 5:50 PM

Allograft TLR9 is Required for Endogenous Donor-Reactive Memory CD8 T Cell Activation in High-Risk Cardiac Allografts to Mediate CTLA-4lg Resistant Graft Rejection

E. H. Koritzinsky, D. Ueda, H. Tsuda, S. Miyari, R. L. Fairchild, *Inflammation and Immunity, Cleveland Clinic, Cleveland, OH*

5:50 PM - 6:00 PM

Donor Kidney-Resident Passenger Macrophages Promote CCL8-CCR8 Mediated Early Allograft Inflammation

A. Dangi¹, I. Husain², N. Natesh³, X. Shen³, J. Kwun⁴, X. Luo⁵, ¹Medicine, Duke University Medical Center, Durham, NC, ²Duke University Medical Center, Durham, NC, ³Biomedical Engineering, Duke University, Durham, NC, ⁴Duke Transplant Center, Durham, NC, ⁵Duke University School of Medicine, Durham, NC

6:00 PM - 6:10 PM

Targeting the Bet Family Protein Brd4 Inhibits Inflammatory Macrophages and Promotes Heart Allograft

Tolerance

X. Xiao, Surgery, Houston Methodist Hospital, Houston, TX

6:10 PM - 6:20 PM

Polarized Il-6 Secretion from Lymphatic Endothelial Cells Promotes Treg Conversion to ExTregs

V. Saxena¹, W. Piao¹, L. Li¹, M. W. Shirkey¹, R. Lakhan¹, S. Walden², K. L. Hippen², B. Blazar², J. S. Bromberg¹, ¹University of Maryland School of Medicine, Baltimore, MD, ²University of Minnesota, Minneapolis, MN

6:20 PM - 6:30 PM

Type 1 Innate Lymphoid Cells Are Critical Pro-Inflammatory Effector Cells in a Fatty Liver Mouse Model of Ischemia-Reperfusion Injury

J. Kang, J. Liggett, K. Oza, Y. Cui, K. Loh, D. Kwon, B. Kallakury, T. Fishbein, W. Cui, K. Kahn, A. Kroemer, *MedStar Georgetown Transplant Institute, Washington, DC*

6:30 PM - 6:40 PM

HCK is a Key Regulator for Macrophage Polarization in Kidney Fibrosis

C. Wei, M. Chen, Z. Sun, Z. Yi, C. He, W. Zhang, *Icahn School of Medicine at Mount Sinai, New York, NY*

6:40 PM - 6:50 PM

Type 1 Innate Lymphoid Cells Alleviate Acute Liver Injury Following Transplantation via Interferon- γ Mediated Pathway

H. Kojima, K. Kadono, H. Hirao, K. J. Dery, J. Kupiec-Weglinski, Y. Zhai, *Dumont-UCLA Transplant Center, Los Angeles, CA*

6:50 PM - 7:00 PM

RNA-Sequencing Analysis of Kidney Allografts Reveal Heightened NK Cell Activity in Chronic Active Antibody-Mediated Rejection

Y. Shah, E. Varma, S. Rahim, C. Li, C. Snopkowski, C. Hughes, D. M. Dadhania, S. Salvatore, S. V. Seshan, O. Elemento, M. Suthanthiran, T. Muthukumar, *Weill Cornell Medicine, New York, NY*

ASTS Town Hall

5:30 PM - 7:00 PM

ASTS Town Hall

Poster Session B
 7:00 PM - 8:00 PM

Poster Chats Session 2
 7:00 PM - 8:00 PM

Program Topic: All Topics

Poster Session B Presenters in Attendance

- **Basic Science / Immunology:** Antigen Presentation / Allorecognition / Dendritic Cells
- **Basic Science / Immunology:** Vascular, Lymphatic, Stromal and Parenchymal Cell Biology
- **Basic Science / Immunology:** Co-Stimulation in Alloreactive Effector and Regulatory Responses
- **Basic Science / Immunology:** Histocompatibility and Immunogenetics
- **Basic Science / Immunology:** Machine Perfusion and Organ Rehabilitation - Basic VCA
- **ID:** All Infections (Excluding Kidney & Viral Hepatitis) II
- **ID:** Kidney Infectious Non-Polyoma & Non-Viral Hepatitis
- **ID:** PTLD: All Topics
- **Pharmacy I**
- **Kidney:** Immunosuppression: Desensitization
- **Kidney:** Living Donor: Other
- **Kidney:** Acute Antibody Mediated Rejection
- **Kidney:** Paired Exchange
- **Liver:** Kidney Issues in Liver Transplantation
- **Liver:** Immunosuppression and Rejection
- **Liver:** Hepatocellular Carcinoma and Other Malignancies
- **Liver:** MELD Allocation*
- **Heart and VADs:** All Topics
- **Pancreas and Islet:** All Topics
- **Organ Inclusive:** Non-Organ Specific: Disparities to Outcome and Access to Healthcare
- **COVID-19**

Program Topic: ID

ID

7:00 PM - 8:00 PM

Moderators:

Daniel Friedman, MD, University of Chicago, Chicago, IL, USA

Sarah Taimur, MD, Mount Sinai Medical Center, New York, NY, USA

7:00 PM - 7:10 PM

Impact of Dysgeusia on Transplant Recipients with Refractory Cytomegalovirus with/without Resistance Receiving Maribavir: Post-Hoc Analyses from a Phase 3 Randomized Trial

F. Silveira¹, S. Haider², D. Kaul³, O. Witzke⁴, J. Gu⁵, A. Sundberg⁵, ¹Univ. Pittsburgh, Pittsburgh, PA, ²McMaster Univ., Hamilton, ON, Canada, ³Univ. Michigan, Ann Arbor, MI, ⁴Univ. Duisburg-Essen, Essen, Germany, ⁵Takeda Development Center Americas, Inc., Lexington, MA

7:10 PM - 7:20 PM

Experience with Covid-19 Infection and Vaccination in Combined Kidney/HSCT Recipients

M. Gibson¹, D. Belshe¹, G. Gregory¹, S. Tanna¹, M. Ison¹, S. Ildstad², J. R. Leventhal¹, ¹Northwestern University, Chicago, IL, ²University of Louisville, Louisville, KY

7:20 PM - 7:30 PM

Antibody Response to Sars-Cov-2 Mrna Vaccine in Kidney Transplant Recipients

R. Mohamed Abdul Rahman, M. Alkadi, E. Abuhelaiqa, M. Jarman, A. Nauman, O. Fituri, M. Asim, A. Hamad, H. Tohid, P. Coyle, L. Abu Raddad, H. Al-Malki, *Nephrology, Hamad Medical Corporation, Doha, Qatar*

Program Topic: Basic

Basic 2

7:00 PM - 8:00 PM

Moderators:

William Kitchens, MD, PhD, Emory University School of

Medicine, Atlanta, GA, USA
To Be Determined

7:00 PM - 7:10 PM

Development of an M2 Macrophage Signature in Spontaneously Accepted Kidney Allografts

M. T. Guinn¹, E. S. Szuter¹, T. Yokose¹, J. Ge², B. Kwon¹, I. Rosales³, P. S. Russell¹, A. G. Cuenca², J. C. Madsen⁴, R. B. Colvin³, A. Alessandrini¹, ¹Center for Transplantation Sciences, Massachusetts General Hospital, Boston, MA, ²Department of Surgery, Boston Children's Hospital, Boston, MA, ³Department of Pathology, Center for Transplantation Sciences, Massachusetts General Hospital, Boston, MA, ⁴Department of Surgery, Center for Transplantation Sciences, Massachusetts General Hospital, Boston, MA

7:10 PM - 7:20 PM

Role of Group 2 Innate Lymphoid Cells in Murine Heart Transplant

J. Ge¹, L. Ott¹, A. Das¹, J. Markmann², A. Cuenca¹, ¹Department of Surgery, Boston Children's Hospital, Boston, MA, ²Division of Transplant Surgery, Department of Surgery, Massachusetts General Hospital, Boston, MA

7:20 PM - 7:30 PM

Preclinical Evaluation of Functional Survival of Stem Cell Derived Islets Microencapsulated in Alginate with CXCL12 in Non-Human Primates without Immunosuppression

M. C. Poznansky, Vaccine and Immunotherapy Center, Massachusetts General Hospital, Charlestown, MA

Sponsor Networking

7:00 PM - 8:00 PM

Program Topic: All Topics

Join your fellow colleagues in Exhibit Hall C & D, Level 2 for networking with sponsors. Beverages and light snacks will be served.

Monday, June 6, 2022

IMPACT Sessions

7:00 AM - 8:00 AM

Program Topic: Kidney

Tissue is the Issue: Kidney Procurement Biopsy- Should We Even Think About It?

7:00 AM - 8:00 AM

Moderators:

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

Sumit Mohan, MD, MPH, Columbia University Medical Center, New York, NY, USA

7:00 AM - 7:10 AM

Set a Stage

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

7:10 AM - 7:20 AM

Pro: Biopsy may be Useful

Syed Husain, MD, MPH, Columbia University Medical Center, New York, NY, USA

7:20 AM - 7:30 AM

Con: Biopsy is not Useful

Olivier Aubert, MD, PhD, Paris Translational Center for Organ Transplantation, Paris, France

7:30 AM - 7:35 AM

Rebuttal: Pro

7:35 AM - 7:40 AM

Rebuttal: Con

7:40 AM - 8:00 AM

Live Q&A

Program Topic: Kidney

GFR After Living Donor Nephrectomy: It's Donation Not Chronic Kidney Disease!

7:00 AM - 8:00 AM

Moderators:

Gaurav Gupta, MD, Virginia Commonwealth University, Richmond, VA, USA

Danielle Krieger, Nurse Practitioner, NephroSant, Los Angeles, CA, USA



7:00 AM - 7:10 AM

The Landscape: Overview of GFR Decline and CKD/ESRD Trends Post Living Kidney Donation

Allan Massie, PhD, Johns Hopkins School of Medicine, Baltimore, MD, USA

7:10 AM - 7:20 AM

When the Unexpected Happens: Causes of Brisk Decline in GFR After Kidney Donation and Does Low GFR Post Donation Always Correlate with Poor Outcomes?

Jane Tan, MD, PhD, Stanford University, Stanford, CA, USA

7:20 AM - 7:30 AM

The Shoe Does Not Fit: Are eGFR Equations and CKD Labels/Staging Appropriate in Living Kidney Donors?

Emilio Poggio, MD, Cleveland Clinic, Cleveland, OH, USA

7:30 AM - 8:00 AM

Live Q&A

Program Topic: Liver

No Longer 'Hype'? Progress in Implementing Non-Invasive Biomarkers in Liver Transplant Immunosuppression Management

7:00 AM - 8:00 AM

Moderators:

Kimberly Brown, MD, FAST, FAASLD, AGAF, Henry Ford Hospital, Detroit, MI, USA

Sandy Feng, MD, PhD, University of California San Francisco, San Francisco, CA, USA

7:00 AM - 7:10 AM

"Biomarkers Seem Really Cool, but are They for Real?": The Prospect of Using the Most Promising Candidate Biomarkers in Liver Transplant Practice

Josh Levitsky, MD, MS, Northwestern University Feinberg School of Medicine, Chicago, IL, USA

7:10 AM - 7:20 AM

"Biomarkers Seem Really Cool, but What are They Really Telling Us?": An -Omics Primer for the Hepatologist

Thomas Schiano, Professor of Medicine, Mount Sinai Medical Center, New York, NY, USA

7:20 AM - 7:30 AM

"I Don't Want My Patients' Kidneys to Fail!": Rationale and Clinical Scenarios in Which Biomarkers Could Help Guide Immunosuppression Optimization in Liver Transplantation

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

7:30 AM - 8:00 AM

Live Q&A

Program Topic: VCA

VCA, Tolerance and Regenerative Medicine

7:00 AM - 8:00 AM

Moderators:

Bruce Gelb, MD FACS, NYU Langone Medical Center, New York, NY, USA

Amy Friedman, MD, LiveOnNY, New York, NY, USA

7:00 AM - 7:10 AM

VCA with Current Standard Immunosuppression is Acceptable

Jamil Azzi, MD, Brigham and Women's Hospital, Boston, MA, USA

7:10 AM - 7:20 AM

VCA Needs Local Immunomodulation

Vijay Gorantla, Wake Forest Institute for Regenerative Medicine, Winston-Salem, NC, USA

7:20 AM - 7:30 AM

Who Needs VCA, We Have Regenerative Medicine

Matthew Griffin, MB BCh, DMed, National University of Ireland Galway, Galway, Ireland

7:30 AM - 8:00 AM

Live Q&A

Program Topic: Pediatric

Racial and Ethnic Disparities in Pediatric Transplantation

7:00 AM - 8:00 AM

Moderators:

Olga Charnaya, MD, MS, Johns Hopkins University, Baltimore, MD, USA



Priya Verghese, MD MPH, Northwestern University, Chicago, IL, USA

7:30 AM - 8:00 AM
Live Q&A

7:00 AM - 7:10 AM

Overview of Racial and Ethnic Disparities in Pediatric Transplant

Lisa McElroy, MD, MS, Duke University, Durham, NC, USA

7:10 AM - 7:20 AM

Ethical Implications of Racial and Ethnic Disparities

Aviva Goldberg, MD, MA FRCPC, University of Manitoba, Winnipeg, MB, Canada

7:20 AM - 7:30 AM

Interventions: Systems and Program Changes to Address Disparities in Pediatric Transplant

Manuel Rodriguez-Davalos, MD, Primary Children's Hospital, Salt Lake City, UT, USA

7:30 AM - 8:00 AM

Live Q&A

Program Topic: Basic Science / Immunology

Visualizing Immune Responses and Rejection

7:00 AM - 8:00 AM

Moderators:

Olivia Martinez, PhD, Stanford University School of Medicine, Stanford, CA, USA

Khodor Abou-Daya, MD, University of Pittsburgh, Pittsburgh, PA, USA

7:00 AM - 7:10 AM

High-Resolution Phenotyping of Early Acute Rejection Reveals a Conserved Alloimmune Signature

Shari Krams, Stanford University, Stanford, CA, USA

7:10 AM - 7:20 AM

The Spatio-Temporal Control of Effector T Cell Migration

Niloufar Safinia, King's College London, London, United Kingdom

7:20 AM - 7:30 AM

Immune Engineering to Direct Tolerance

Senta Kapnick, MHS, PhD, University of Maryland, College Park, MD, USA

Program Topic: Translational

Monitoring Immune Function After Transplantation

7:00 AM - 8:00 AM

Moderators:

Lorenzo Gallon, MD, Northwestern University NMFF, Chicago, IL, USA

Diana Metes, MD, University Of Pittsburgh; T E Starzl Transplant Institute, Pittsburgh, PA, USA

7:00 AM - 7:10 AM

Monitoring the Alloresponse with TCR Sequencing in Human Transplant Recipients

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

7:10 AM - 7:20 AM

Viral Reactivation as a Measurement of Immune Status

Gregor Bond, MDPH, Medical University of Vienna, Vienna, Austria

7:20 AM - 7:30 AM

Cell Free DNA and Urinary Biomarkers

Manikkam Suthanthiran, MD, Weill Cornell Med Center, New York, NY, USA

7:30 AM - 8:00 AM

Live Q&A

Program Topic: ID

We Contain Multitudes – Microbiome and Transplant

7:00 AM - 8:00 AM

Moderators:

Judith Anesi, MD, MSCE, University of Pennsylvania, Philadelphia, PA, USA

Jay Fishman, MD, Massachusetts General Hospital - Harvard Medical School, Boston, MA, USA

7:00 AM - 7:10 AM

Microbiome Therapeutics for MDRO in Transplant

Michael Woodworth, MD, MSc, Emory University, Atlanta, GA, USA

7:10 AM - 7:20 AM

Microbiome and Immunity to Infection

Jay Fishman, MD, Massachusetts General Hospital - Harvard Medical School, Boston, MA, USA

7:20 AM - 7:30 AM

Microbiome and Transplant Rejection

John Lee, MD, Weill Cornell Medicine, New York, NY, USA

7:30 AM - 8:00 AM

Live Q&A

Program Topic: Pharmacy & Liver

Let's Be Direct: Ultra-Short Direct Acting Anti-Viral Prophylaxis to Expand Donor Pool

7:00 AM - 8:00 AM

Moderators:

Nicole Nesselhauf, PharmD, BCPS, BCTXP, Barnes-Jewish Hospital, St. Louis, MO, USA

Ryan Winstead, PharmD, VCU Health, Richmond, VA, USA

7:00 AM - 7:10 AM

Save Me the Money: Cost-Effectiveness of Ultra-Short DAA Prophylaxis in Transplantation

Jennifer Byrns, PharmD, BCPS, BCTXP, CPP, Duke University, Durham, NC, USA

7:10 AM - 7:20 AM

Best Practices in Ultra-Short DAA Prophylaxis in Kidney Transplantation

Idris Yakubu, PharmD, Virginia Commonwealth University Health System, Richmond, VA, USA

7:20 AM - 7:30 AM

Lungs, Hearts and Treatment Head-Starts: Ultra-Short DAA Prophylaxis in Cardiothoracic Transplantation

Georgina Waldman, PharmD, Massachusetts General Hospital, Boston, MA, USA

7:30 AM - 8:00 AM

Live Q&A

Program Topic: Psychosocial & Ethics

Advancing Transplant Ethics and Psychosocial Research Methods Beyond the 20th Century

7:00 AM - 8:00 AM

Moderators:

John Peipert, PhD, Northwestern University, Department of Medical Social Sciences, Chicago, IL, USA

Cynthia Russell, PhD, RN, FAAN, University of Missouri-Kansas City, Kansas City, Missouri, MO, USA

7:00 AM - 7:10 AM

Integrating Prospective Psychosocial Data into Routine Clinical Tracking

David Haver, PsyD, MPH, Medical University of South Carolina, Charleston, SC, USA

7:10 AM - 7:20 AM

Which Components Work in Multicomponent Interventions? Meet Multiphase Optimization Strategy (MOST)

Michelle Jesse, PhD, Henry Ford Health System, Detroit, MI, USA

7:20 AM - 7:30 AM

Implementation Science in Interventions: Translating Interventions into the Real World

Elisa Gordon, PhD, MPH, Northwestern University Feinberg School of Medicine, Chicago, IL, USA

7:30 AM - 8:00 AM

Live Q&A

Program Topic: Basic Science / Immunology & Discard

B Cells in Transplant Rejection and Tolerance

7:00 AM - 8:00 AM

Moderators:

Maarten Naesens, MD PhD, KU Leuven, Leuven, Belgium

Raja Rajalingam, PhD, University of California San Francisco, San Francisco, CA, USA

7:00 AM - 7:10 AM

Innate-Like Self-Reactive B Cells Infiltrate Human Renal



Allografts During Transplant Rejection
Anita Chong, Ph.D., University of Chicago, Chicago, IL, USA

7:30 AM - 8:00 AM
 Live Q&A

7:10 AM - 7:20 AM
Transitional B Cell Cytokines Predict Renal Allograft Outcomes
David Rothstein, MD, Thomas E Starzl Transplant Institute, Pittsburgh, PA, USA

Break
 8:00 AM - 8:10 AM

Plenary Oral Abstract Session
 8:10 AM - 9:15 AM

7:20 AM - 7:30 AM
Detection of HLA-specific Memory B Cells and Immune Monitoring of Transplant Recipients
Marcus Clark, M.D., University of Chicago, Chicago, IL, USA

Program Topic: All Topics

Plenary Oral Abstract Session 2

Honoring former AST President Barbara Murphy, MD

7:30 AM - 8:00 AM
 Live Q&A

Program Topic: Advanced Practice Provider

Raising the Bar: Success with Alcoholic Hepatitis Transplantation

8:10 AM - 9:15 AM
 Moderators:

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

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

7:00 AM - 8:00 AM
 Moderators:
Hender Rojas, APRN-BC, UK Transplant Center, Lexington, KY, USA
Claudia Praglin, ANP-BC, UCSF, San Francisco, CA, USA

8:10 AM - 8:15 AM

Honoring Former AST President Barbara Murphy, MD
To Be Determined

7:00 AM - 7:10 AM
The Objective Approach for Short Sobriety in Liver Transplantation
Corrie Berk, DNP, APRN, MBA, FNP-BC, Loma Linda University Health, Las Vegas, NV, USA

8:15 AM - 8:30 AM

Meld 3.0 for Liver Allocation: Results From the Liver Simulated Allocation Model

A. Kwong¹, **T. Weaver²**, **D. Schladt²**, **A. Wey²**, **K. Audette²**, **S. Biggins³**, **J. Snyder²**, **A. Israni²**, **J. Lake⁴**, **W. Kim¹**, ¹Stanford University, Stanford, CA, ²Hennepin Healthcare Research Institute, Minneapolis, MN, ³University of Washington, Seattle, WA, ⁴University of Minnesota, Minneapolis, MN

7:10 AM - 7:20 AM
Managing Alcohol Use Disorder Pre- and Post-Transplant
Hazel Domingo, MMSc, PA-C, Northwestern Medicine, Chicago, IL, USA

8:30 AM - 8:45 AM

Lung Allograft-Resident Eosinophils Maintain Long-Term Graft Integrity by Restraining Humoral Alloimmunity

Z. Mei¹, **Y. Guo¹**, **D. Li¹**, **M. Khalil¹**, **A. Banerjee¹**, **A. Gelman²**, **D. Kreisel²**, **A. Krupnick³**, ¹Department of Surgery, University of Maryland, Baltimore, Baltimore, MD, ²Washington University in St. Louis, St. Louis, MO, ³Department of Surgery, University of Maryland, Baltimore, Baltimore, MD

7:20 AM - 7:30 AM
The Utilization of a Multidisciplinary Team to Improve Alcoholic Hepatitis Outcomes Post-Transplant
Emily Herriman, ANP-BC, University of Michigan, Ann Arbor, MI, USA

8:45 AM - 9:00 AM

Results of Heart Transplantation from Donation After Circulatory Death (DCD) Donors Using Thoraco-Abdominal Normothermic Regional Perfusion (TA-NRP) Compared to Donation from Donation After Brain Death (DBD) Are Similar at One Year

C. Gidea¹, L. James², D. E. Smith², J. Carillo², A. Reyentovich³, T. Saraon², S. Katz², S. Rao², R. Goldberg², B. Kadosh², M. DiVita², J. Cruz², N. Sikand², J. Ngai², G. Piper², N. Moazami², ¹New York University Langone Medical Center, New York, NY, ²NYU Langone Health, New York, NY, ³New York University Langone Health, New York, NY

9:00 AM - 9:15 AM

The Role of LAG3 in Antibody Responses to Kidney Transplantation

M. Nicosia¹, R. Fan¹, J. Lee², V. Gorbacheva¹, A. M. Beavers¹, N. Dvorina¹, W. Baldwin III¹, R. L. Fairchild¹, B. Min³, A. Valujskikh¹, ¹Inflammation and Immunity, Cleveland Clinic, Lerner Research Institute, Cleveland, OH, ²Cardiovascular and Metabolic Science, Cleveland Clinic, Lerner Research Institute, Cleveland, OH, ³Microbiology and Immunology, Feinberg School of Medicine, Northwestern University, Chicago, IL

Sponsor Networking

9:15 AM - 9:45 AM

Program Topic: All Topics

Join your fellow colleagues in Exhibit Hall C & D, Level 2 for networking with sponsors. Beverages will be served.

Product Theater

9:15 AM - 9:45 AM

Program Topic: All Topics

Sponsored by AstraZeneca

Quest Advanced Specialized Transplant Services: Enhanced Infectious Disease Testing Sponsored by Quest Diagnostics

These product theaters are not part of the ATC official educational program and the sessions and content are not endorsed by ATC.

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

ASTS Presidential Addresses

9:45 AM - 10:15 AM

ASTS Presidential Address

9:45 AM - 9:55 AM

Introduction

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

9:55 AM - 10:15 AM

ASTS Presidential Address

A. Osama Gaber, MD, FACS, Houston Methodist Hospital, Houston, TX, USA

ASTS Research Grants & Pioneer Awards

10:15 AM - 11:15 AM

ASTS Research Grants & Pioneer Award

10:15 AM - 11:15 AM

ASTS Awards

A. Osama Gaber, MD, FACS, Houston Methodist Hospital, Houston, TX, USA

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

Innovations in Transplantation

11:15 AM - 12:30 PM

Program Topic: All Topics

Clinical Xenotransplantation Updates

11:15 AM - 12:30 PM

Moderators:

Andrew Adams, MD, PhD, University of Minnesota, Minneapolis, MN, USA



Matthew Levine, MD, PhD, University of Pennsylvania, Philadelphia, PA, USA

11:15 AM - 11:25 AM

Overview & Progress of Xenotransplant

A. Joseph Tector, MD PhD, Miami Transplant Institute, Miami, FL, USA

11:25 AM - 11:35 AM

The NYU Experience

Robert Montgomery, MD, D.Phil, FACS, NYU Langone Health, New York, NY, USA

11:35 AM - 11:45 AM

The Maryland Experience

Muhammad Mohiuddin, MD, University of Maryland, Baltimore, MD, USA

11:45 AM - 11:55 AM

The UAB Experience

Jayne Locke, MD, MPH, FACS, FAST, University of Alabama at Birmingham Heersink School of Medicine, Birmingham, AL, USA

11:55 AM - 12:05 PM

Ethics

Brendan Parent, JD, New York University Grossman School of Medicine, New York, NY, USA

12:05 PM - 12:30 PM

Panelists:

Jay Fishman, MD, Massachusetts General Hospital - Harvard Medical School, Boston, MA, USA

A. Joseph Tector, MD, PhD, Miami Transplant Institute, Miami, FL, USA

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

Break

12:30 PM - 12:45 PM

Satellite Symposia

12:45 PM - 1:45 PM

Program Topic: All Topics

Sponsored Satellite Symposia

Break

1:45 PM - 2:00 PM

IMPACT Sessions

2:00 PM - 3:00 PM

Program Topic: Kidney

What's the Optimal Individualized Approach to Managing a Patient with a Declining or Failed Kidney Allograft?

2:00 PM - 3:00 PM

Moderators:

Martin Zeier, MD MSc, University of Heidelberg, Germany, Heidelberg, Germany

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

2:00 PM - 2:10 PM

Better Assays, Better Equations, or Better Markers? Improved Measures of Prognosis and Kidney Failure Risk for Kidney Allograft

Roslyn Mannon, MD, UNMC, Omaha, NE, USA

2:10 PM - 2:20 PM

Finding the Right Pathway for a Patient With Failing/Failed Allograft

Martha Pavlakis, MD, FAST, FASN, BIDMC, Boston, MA, USA

2:20 PM - 2:30 PM

Individualizing Immunosuppression Strategies and Management of Complications in a Declining Allograft

Klemens Budde, MD, Charité Universitätsmedizin Berlin, Germany, Berlin, Germany

2:30 PM - 3:00 PM

Live Q&A

Program Topic: Liver

Biomarkers for Liver Assessment in Machine Perfusion



2:00 PM - 3:00 PM

Moderators:

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

James Guarrera, MD, FACS, Rutgers New Jersey Medical School, Newark, NJ, USA

2:00 PM - 2:10 PM

Overview and Classification of Biomarkers During Machine Perfusion

Cristiano Quintini, MD, Cleveland Clinic, Cleveland, OH, USA

2:10 PM - 2:20 PM

Validity of Normothermic Biomarkers to Determine Liver Viability

Christopher Watson, MD, FRCS, University of Cambridge, Cambridge, United Kingdom

2:20 PM - 2:30 PM

Clinical Implementation of Novel Biomarkers for Liver Assessment: Flavin Mononucleotide (FMN) and NADH

Philipp Dutkowski, Dr, Zurich University Hospital, Zurich, Switzerland

2:30 PM - 3:00 PM

Live Q&A

Program Topic: Liver

Heart Liver Transplant: Indications

2:00 PM - 3:00 PM

Moderators:

Daniel Ganger, MD, Northwestern University, Chicago, IL, USA

Clark Bonham, MD, Stanford University Medical Center, Palo Alto, CA, USA

2:00 PM - 2:10 PM

Liver Tolerance in Heart Liver Transplant

Abraham Shaked, MD, PhD, University of Pennsylvania, Philadelphia, PA, USA

2:10 PM - 2:20 PM

Heart Liver Transplant Selection Criteria

Rhondalyn McLean, MD MHS, University of Pennsylvania, Philadelphia, PA, USA

2:20 PM - 2:30 PM

Surgical Techniques in Combined Heart Liver Transplant

Carlos Esquivel, MD, PhD, Stanford University School of Medicine, Stanford, CA, USA

2:30 PM - 3:00 PM

Live Q&A

Program Topic: Professional Development

Burnout in Transplant Teams

2:00 PM - 3:00 PM

Moderators:

Sunil Geevarghese, MD, FACS, MSCI, Vanderbilt University Medical Center, Nashville, TN, USA

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

2:00 PM - 2:10 PM

Burnout in Transplant Teams: What We Know and What We Need to Do

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

2:10 PM - 2:20 PM

On the Frontlines For It All: Defining Burnout and Burnout Solutions in Transplant Coordinators and APPs

Michelle Jesse, PhD, FAST, Henry Ford Health System, Detroit, MI, USA

2:20 PM - 2:30 PM

Creative Administrative Solutions to Address Burnout in Transplant Teams

Christopher Fowler, PhD MBA RN, Mayo Clinic, Phoenix, AZ, USA

2:30 PM - 2:40 PM

Physician Assistant Burnout in Transplantation

Monica Morrison, PA-C, DFAAPA, University of Washington Medical Center, Seattle, WA, USA

2:40 PM - 3:00 PM

Live Q&A

Program Topic: Basic Science / Immunology

SARS-CoV2 Immunity and Pathogenesis

2:00 PM - 3:00 PM

Moderators:

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

Joanna Schaeffer, MD, PhD, UCLA, Los Angeles, CA, USA

2:00 PM - 2:10 PM

T-cell Immune Responses to SARS-CoV-2 and Variants of Concern in Immunocompromised Individuals

Stanley Jordan, MD, Cedars Sinai Medical Center, West Hollywood, CA, USA

2:10 PM - 2:20 PM

Role of T Cell Exhaustion in Severe SARS-CoV-2 Infection, Implications for the Immunosuppressed or Older Patient

Allison Greenplate, PhD, University of Pennsylvania, Philadelphia, PA, USA

2:20 PM - 2:30 PM

SARS-CoV-2 in the Immunocompromised Host: How Studying People Living with HIV Sheds Light on Transplant Recipients

Daniel Schuster, MD, MS, Duke University, Durham, NC, USA

2:30 PM - 3:00 PM

Live Q&A

Program Topic: Basic Science / Immunology

Transformative Multidisciplinary Research Through Transplant Declined Human Organs

2:00 PM - 3:00 PM

Moderators:

Jonathan Bromberg, MD, PhD, University of Maryland, Baltimore, MD, USA

Gregory Tietjen, PhD, Yale University School of Medicine, New Haven, CT, USA

2:00 PM - 2:10 PM

Tackling the Logistics of Emergency Science With Human Organs

Kourosh Saeb-Parsy, MA MB BChir PhD FRCS, University of Cambridge, Cambridge, United Kingdom

2:10 PM - 2:20 PM

Transplant-Declined Organs and the Human Cell Atlas: A

Roadmap to Treating Human Disease

Gregory Tietjen, PhD, Yale University School of Medicine, New Haven, CT, USA

2:20 PM - 2:30 PM

Resident Immune System

Donna Farber, PhD, Columbia University, New York, NY, USA

2:30 PM - 3:00 PM

Live Q&A

Program Topic: Translational

Desensitization – Translational Science

2:00 PM - 3:00 PM

Moderators:

Joren Madsen, MD, Phil, Massachusetts General Hospital, Boston, MA, USA

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

2:00 PM - 2:10 PM

Basic Immunology State of the Field—Tfh and Humoral Responses

Paige Porrett, MD, PhD, The University of Alabama at Birmingham, Birmingham, AL, USA

2:10 PM - 2:20 PM

New Therapies: B Cell/Plasma Cell Depletion

Jean Kwun, PhD, Duke, Durham, NC, USA

2:20 PM - 2:30 PM

Measuring Endpoints in Desensitization

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

2:30 PM - 3:00 PM

Live Q&A

Program Topic: ID

Shot Topic Debate: Vaccine Mandates for Transplant Candidates

2:00 PM - 3:00 PM

Moderators:



Olivia Kates, MD, MA, Johns Hopkins University, Baltimore, MD, USA
Deepali Kumar, MD, University Health Network, Toronto, ON, Canada

2:00 PM - 2:10 PM
Strategies for Implementation
Amy Friedman, MD, LiveOnNY, New York, NY, USA

2:10 PM - 2:20 PM
In Favor of Vaccine Mandates
Lara Danziger-Isakov, MD, MPH, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA

2:20 PM - 2:30 PM
Better Alternatives to Strict Mandates
Marian Michaels, MD MPH, UPMC Children's Hospital of Pittsburgh, Pittsburgh, PA, USA

2:30 PM - 2:35 PM
Rebuttal: In Favor of Vaccine Mandates

2:35 PM - 2:40 PM
Rebuttal: Better Alternatives to Strict Mandates

2:40 PM - 3:00 PM
Live Q&A

Program Topic: Pharmacy & Advanced Practice Provider

Telehealth in Transplant: The New Paradigm

2:00 PM - 3:00 PM
Moderators:
Ashley Feist, PharmD, University of California San Diego, San Diego, CA, USA
Megan Keck, PharmD, Nebraska Medicine, Omaha, NE, USA

2:00 PM - 2:10 PM
How to Expand Pharmacy Services- is Telehealth the Answer?
Karen Khalil, PharmD, NYU Langone, New York, NY, USA

2:10 PM - 2:20 PM
Practically Speaking: Does Telehealth Improve or Hinder Patient Care?

Claudia Praglin, ANP-BC, UCSF, San Francisco, CA, USA

2:20 PM - 2:30 PM
Culture of Change- What's Next with Regulatory Changes
Demetra Tsapepas, PharmD, MBA, New York Presbyterian Hospital, New York, NY, USA

2:30 PM - 3:00 PM
Live Q&A

Program Topic: Other

The Future of Transplant is...

2:00 PM - 3:00 PM
Moderators:
Kenneth Newell, MD, PhD, Emory University School of Medicine, Atlanta, GA, USA
Flavio Vincenti, MD, University of California San Francisco, San Francisco, CA, USA

2:00 PM - 2:10 PM
We Just Need to use Current Regimens Better
Daniel Brennan, MD, Johns Hopkins University, Baltimore, MD, USA

2:10 PM - 2:20 PM
Clinical Tolerance is Here and Ready for Prime Time
Andrew Bentall, MBChB MD, Mayo Clinic, Rochester, MN, USA

2:20 PM - 2:30 PM
Regional Immunosuppression is the Future
Vijay Gorantla, MD PhD, Wake Forest Institute for Regenerative Medicine, Winston-Salem, MA, USA

2:30 PM - 3:00 PM
Live Q&A

Program Topic: Other

Ensuring Equity in Transplant: Priorities for National Expansion of Best Practices

2:00 PM - 3:00 PM
Moderators:
Amy Waterman, PhD, Houston Methodist Transplant



Center, Houston, TX, USA
Tanjala Purnell, PhD, MPH, Johns Hopkins University,
Baltimore, MD, USA

2:00 PM - 2:10 PM
Improving Pre-Transplant Education and Care to Ensure
Equity in Transplant Referral
Rachel Patzer, PhD, MPH, Emory University, Atlanta,
GA, USA

2:10 PM - 2:20 PM
Improving Center-Based Practices and Policy
Interventions to Improve Access to Transplant
Amit Mathur, MD MS FACS, Mayo Clinic in Arizona,
Phoenix, AZ, USA

2:20 PM - 2:30 PM
Improving Access to Living Donation in Vulnerable
Communities
LaShara Davis, Ph.D., Houston Methodist Hospital, J.C.
Walter Jr. Transplant Center, Houston, TX, USA

2:30 PM - 3:00 PM
Live Q&A

Program Topic: COVID-19

Perspectives on Consistency and Safety in Organ
Donation While Navigating COVID-19 Surges: Optimal
Utilization of Organs from SARS-CoV-2-positive
Donors

2:00 PM - 3:00 PM
Moderators:
Muhammad Mujtaba, MD, University of Texas Medical
Branch, Galveston, TX, USA
William Goggins, MD, Indiana University Hospital,
Indianapolis, IN, USA

2:00 PM - 2:10 PM
Better Together : The Role of OPO-Transplant Center-
Donor Hospital Partnerships in Maximizing Opportunities
in SARS-CoV-2-Positive Donor Referrals
Yvette Chapman, Southwest Transplant Alliance, Dallas,
TX, USA

2:10 PM - 2:20 PM
Sharing the Wealth : Strategies to Mitigate Risk and
Overcome Stigma in Organ Transplantation from SARS-

CoV-2-Positive Donors
Alvin Wee, MD, MBA, Cleveland Clinic, Cleveland, OH,
USA

2:20 PM - 2:30 PM
The Limits of Detection : Opportunities and Limitations in
SARS-CoV-2 Testing in Organ Donors
Michael Loeffelholz, Ph.D. D(ABMM), Cepheid,
Sunnyvale, CA, USA

2:30 PM - 3:00 PM
Live Q&A

Sponsor Networking **3:00 PM - 3:30 PM**

Program Topic: All Topics

Join your fellow colleagues in Exhibit Hall C & D,
Level 2 for networking with sponsors. Beverages
and light snacks will be served.

Product Theater **3:00 PM - 3:30 PM**

Program Topic: All Topics

Sponsored by CareDx

Costimulation Based Immunosuppression:
Challenges and Opportunities Sponsored by Veloxis
Pharmaceuticals

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Focus in Transplantation **3:30 PM - 7:00 PM**

Program Topic: Translational

Role of Biomarkers in Immune Profiling

3:30 PM - 7:00 PM

Moderators:

Abraham Shaked, MD, PhD, University of Pennsylvania, Philadelphia, PA, USA

Gaurav Gupta, MD, Virginia Commonwealth University, Richmond, VA, USA

3:30 PM - 3:50 PM

Torque Teno Virus for Risk Stratification of Graft Rejection and Infection in Kidney Transplant Recipients

Gregor Bond, MD, PhD, Medical University of Vienna, Vienna, Austria

3:50 PM - 4:10 PM

Role of Molecular Biomarkers in Kidney and Liver Transplantation: Monitoring the Spectrum of Alloimmune Activation and Graft Injury

Jonathan Bromberg, MD, Ph.D., University of Maryland, Baltimore, MD, USA

4:10 PM - 4:30 PM

Biomarker Utilization in Liver Transplantation

Josh Levitsky, MD, MS, Northwestern, Chicago, IL, USA

4:30 PM - 5:00 PM

Live Q&A

5:00 PM - 5:30 PM

Coffee Break

5:30 PM - 5:50 PM

The Need and Impact of Biomarker Use in Pediatric Transplantation

Eileen Chambers, MD, Duke University, Durham, NC, USA

5:50 PM - 6:10 PM

Utilizing Biomarkers for Transplant Specific Risk Stratification

Anat Tambur, PhD, DMD, Northwestern University, Chicago, IL, USA

6:10 PM - 6:30 PM

Role of Biomarkers for Reduction of Immunosuppression in Renal Transplantation

Paolo Cravedi, MD, Mount Sinai, New York, NY, USA

6:30 PM - 7:00 PM

Live Q&A

Rapid Fire Oral Abstract Sessions

3:30 PM - 5:00 PM

Program Topic: Kidney

Kidney Deceased Donor Selection I

3:30 PM - 5:00 PM

Moderators:

Kasi McCune, MD, Columbia University, New York, NY, USA

Akansha Agrawal, MD, Northwestern University, Chicago, IL, USA

3:30 PM - 3:40 PM

Comparative Outcomes at a Single Center for 71 Deceased Donor Kidney Transplants from Donors with Sars-CoV-2 RNA Detection

C. E. Koval¹, **E. Poggio²**, **M. Eltemamy³**, **Y. Lin²**, **M. Duck⁴**, **N. Shrestha⁵**, **A. Wee²**, ¹*Cleveland Clinic Foundation, Cleveland, OH*, ²*Cleveland Clinic, Cleveland, OH*, ³*The Cleveland Clinic, Cleveland, OH*, ⁴*Nephrology, Cleveland Clinic Foundation, Cleveland, OH*, ⁵*Infectious Diseases, Cleveland Clinic Foundation, Cleveland, OH*

3:40 PM - 3:50 PM

Kidney Transplantation from Deceased Donors with Vaccine-Induced Thrombosis and Thrombocytopenia: An Updated Analysis of the UK Experience

G. Greenhall, . UK VITT Donor Kidney Transplant Study Group, *NHS Blood and Transplant, Bristol, United Kingdom*

3:50 PM - 4:00 PM

Recipient and Kidney Graft Outcomes of Human Immunodeficiency Virus Positive Deceased Donors in the United States

K. J. Swanson¹, **R. El-Rifai¹**, **A. Bregman¹**, **R. Spong¹**, **V. Kirchner²**, **T. Pruett²**, **S. Jackson³**, **S. M. Riad¹**, ¹*Division of Nephrology & Hypertension, University of Minnesota, Minneapolis, MN*, ²*Division of Transplantation, Department of Surgery, University of Minnesota, Minneapolis, MN*, ³*M-Health Fairview Analytics,*

Minneapolis, MN

4:00 PM - 4:10 PM

Is Donor Hepatitis C Virus Infection Status Associated with Early Post-Kidney Transplant Failure in the Era of Direct-Acting Antiviral Medications?

S. Sutcliffe¹, S. Chang¹, D. Stewart², M. Ji³, K. Lentine⁴, G. Gupta⁵, T. Alhamad⁶, ¹Washington University School of Medicine, Saint Louis, MO, ²United Network for Organ Sharing, Richmond, VA, ³Washington University in St. Louis School of Medicine, Saint Louis, MO, ⁴Saint Louis University School of Medicine, Saint Louis, MO, ⁵Virginia Commonwealth University School of Medicine, Richmond, VA, ⁶Washington University School of Medicine at St. Louis, Saint Louis, MO

4:10 PM - 4:20 PM

Is Stigma of Hepatitis C with KDPI Still Justified?

F. Siddiqui, P. N. Chotai, A. Logan, A. Schenk, K. Washburn, A. Limkemann, Comprehensive Transplant Center, The Ohio State University Wexner Medical Center, Columbus, OH

4:20 PM - 4:30 PM

Utilisation and Clinical Outcomes of Kidney Transplants from Deceased Donors with Albuminuria in the UK: A Cohort Study

G. Greenhall¹, M. Robb¹, R. Johnson¹, M. Ibrahim¹, R. Hilton², L. Tomlinson³, C. J. Callaghan², C. Watson⁴, ¹NHS Blood and Transplant, Bristol, United Kingdom, ²Guy's Hospital, London, United Kingdom, ³London School of Hygiene and Tropical Medicine, London, United Kingdom, ⁴University of Cambridge, Cambridge, United Kingdom

4:30 PM - 4:40 PM

Early Kidney Transplantation Irrespective of Donor Profile Offers Survival Benefit in Recipients Older Than 70 Years

A. Mujkanovic¹, T. Jarmi², C. B. Taner¹, K. P. Croome¹, S. A. Mao¹, ¹Transplant Surgery, Mayo Clinic, Jacksonville, FL, ²Transplant Medicine, Mayo Clinic, Jacksonville, FL

4:40 PM - 4:50 PM

The Price of Cold Ischemia Time

A. Massie¹, J. Scalea², D. Segev¹, ¹JHU, Baltimore, MD, ²Surgery, University of Maryland, Baltimore, MD

4:50 PM - 5:00 PM

Donor Kidneys from Communities with Higher Deprivation

Are Significantly More Likely to be Discarded

J. Schold¹, A. Huml¹, E. Poggio¹, E. Dewey¹, R. Buchalter¹, S. Husain², S. Mohan², ¹Cleveland Clinic, Cleveland, OH, ²Columbia University, New York, NY

Program Topic: Kidney

Kidney: Acute Cellular Rejection

3:30 PM - 5:00 PM

Moderators:

Rajil Mehta, MD, FASN, UPMC, Pittsburgh, PA, USA
Sook Park, MD, MSCI, Northwestern University, Chicago, IL, USA

3:30 PM - 3:40 PM

The Impact of T-Cell Receptor Diversity in Acute Kidney Transplant Rejection

T. Sigdel¹, P. Fields², J. Liberto¹, I. Damm¹, M. Kerwin¹, j. Hood², P. Towfighi¹, M. Sirota¹, H. Robins², M. M. Sarwal¹, ¹UCSF, San Francisco, CA, ²Adaptive Biotechnologies, Seattle, WA

3:40 PM - 3:50 PM

Transitional-1 B Cell IL-10/TNF α Ratio Risk-Stratifies Renal Transplant Patients with Early Borderline Change

A. Cherukuri, P. Randhawa, S. Hariharan, D. Rothstein, Thomas E. Starzl Transplantation Institute, UPMC, Pittsburgh, PA

3:50 PM - 4:00 PM

Microvascular Inflammation without Antibody Mediated Rejection in Renal Transplantation

J. Bou Saba, R. Chowdhury, R. Mehta, K. I. Abou-Daya, S. Hariharan, A. Cherukuri, Thomas E. Starzl Transplantation Institute, UPMC, Pittsburgh, PA

4:00 PM - 4:10 PM

Very Low Frequency of Pathological Findings in One-Year Protocol Biopsies of Low-Risk Kidney Transplant Recipients - Results from the Nordic Protocol Biopsy Study

I. Helanterä¹, C. Dörje², F. Ortiz³, A. Varberg Reisæter², C. Hammarström², J. Lauronen⁴, A. Räisänen-Sokolowski⁵, A. J. Haugen⁶, M. Lempinen¹, A. Åsberg², G. Mjølne², ¹Transplantation and Liver Surgery, Helsinki University Hospital, Helsinki, Finland, ²Department of Transplant Medicine, Oslo University Hospital, Oslo,

Norway, ³Nephrology, Helsinki University Hospital, Helsinki, Finland, ⁴Histocompatibility Laboratory, Finnish Red Cross Blood Service, Helsinki, Finland, ⁵Department of Pathology, Helsinki University Hospital, Helsinki, Finland, ⁶Medical Department, Bærum Hospital, Bærum, Norway

4:10 PM - 4:20 PM

Discrepancy Rates Between Histology (HIST) and Molecular Diagnosis (MDX) of T-cell Mediated Rejection (TCMR) Depend on Choice of Bioinformatics Pipeline
 M. Ellison, D. Spagnolo, P. Randhawa, University of Pittsburgh Medical Center, Pittsburgh, PA

4:20 PM - 4:30 PM

TCMR in Late Kidney Transplant Biopsies Shows Less Molecular TCMR Activity and More Fibrosis Despite Persistence of Tubulitis and Interstitial Infiltrate
 K. S. Madill-Thomsen¹, J. Reeve¹, P. Halloran¹, .. and the INTERCOMEX Study Group², ¹Alberta Transplant Applied Genomics Centre, Edmonton AB, AB, Canada, ²., AB, Canada

4:30 PM - 4:40 PM

Molecular Associations in Kidney Transplant Biopsies in the Trifecta Study Indicate That at Least Three Distinct Processes Release Dd-cfDNA: ABMR, TCMR, and Injury
 P. F. Halloran¹, J. Reeve¹, K. S. Madill-Thomsen¹, Z. Demko², A. Prewett², P. Billings², .. and the Trifecta Investigators³, ¹Alberta Transplant Applied Genomics Centre, Edmonton, AB, Canada, ²Natera Inc., San Carlos, CA, ³., AB, Canada

4:40 PM - 4:50 PM

The Relative Association of Clinical Variables and Histologic Lesions with Molecular Rejection in Kidney Transplant Biopsies
 M. L. Sikosana¹, J. Reeve², P. F. Halloran², INTERCOMEX Investigators³, ¹University of Alberta, Edmonton, AB, Canada, ²Alberta Transplant Applied Genomics Centre, Edmonton, AB, Canada, ³INTERCOMEX, Edmonton, AB, Canada

Program Topic: Kidney

Kidney: Cardiovascular and Metabolic Complications II

3:30 PM - 5:00 PM

Moderators:
Samy Riad, MD, MS, University of Minnesota, Eden Prairie, MN, USA
Aleksandra Kukla, MD, Mayo Clinic, Rochester, MN, USA

3:30 PM - 3:40 PM

Impact of Kidney Transplant on Post-Operative Morbidity and Mortality in Patients with Pre-Existing Cardiac Conditions (Low Ejection Fraction): A Case Series
 A. Kumar, C. Naso, D. Bacon, D. Gerber, Abdominal Transplant Surgery, UNC School of Medicine, Chapel Hill, NC

3:40 PM - 3:50 PM

CT Based Iliac Vessel Calcification Scoring: Long Term Patient and Allograft Outcomes
 L. Clementoni, M. R. Akhtar, C. Seet, M. Saoud, R. Shah, I. H. Mohamed, M. A. Khurram, The Royal London Hospital - Barts Health NHS Trust, London, United Kingdom

3:50 PM - 4:00 PM

Bone Mineral Density, Bone Micro-Architecture Evolution After Kidney Transplantation: A Prospective Cohort Study
 A. Bouquegneau, O. Malaise, L. Seidel, L. Weekers, C. Bonvoisin, F. Jouret, E. Cavalier, P. Delanaye, CHU de Liège, Liege, Belgium

4:00 PM - 4:10 PM

Sarcopenia and Obesity in Renal Transplant Recipients - Effects on Graft and Patient Outcomes
 C. Seet, M. R. Akhtar, L. Clementoni, M. Saoud, R. Shah, I. H. Mohamed, M. A. Khurram, The Royal London Hospital, London, United Kingdom

4:10 PM - 4:20 PM

Of the Individual Components of a Modified Freid Frailty Score, Pre-Transplant Walk Time and Grip Strength Are the Strongest Predictors of Post Kidney Transplant Outcomes
 S. Parajuli, F. Aziz, H. L. Lorden, K. A. O'Toole, R. E. Wallschlaeger, I. C. Breyer, B. Dodin, J. Goronzik Wang, D. A. Mandelbrot, University of Wisconsin, Madison, WI

4:20 PM - 4:30 PM

Outcome of Kidney Transplantation in the Elderly Compared with Dialysis

B. Shi¹, T. Ying², S. Chadban², ¹University of Sydney, Camperdown, Australia, ²Royal Prince Alfred Hospital, Camperdown, Australia

4:30 PM - 4:40 PM

A Comparison of Self-Reported Physical Function to In-Person Frailty Assessments for the Prediction of Rehospitalizations After Kidney Transplantation

E. Lorenz¹, C. Kennedy¹, C. Schinstock¹, A. Kukla¹, D. Eton¹, H. Wadei², G. Mour³, P. Dean⁴, A. Rule¹, N. LeBrasseur¹, A. Cheville¹, ¹Mayo Clinic, Rochester, MN, ²Mayo Clinic, Jacksonville, FL, ³Mayo Clinic, Scottsdale, AZ, ⁴Mayo Clinic Rochester, Rochester, MN

4:40 PM - 4:50 PM

Associations of Immunosuppression Regimen with Fracture Risk After Kidney Transplant in High-Risk Populations: Identifying Targets for Risk-Reduction

K. Lentine¹, S. Kupacchi², W. Cheungpasitporn³, R. Li⁴, Y. Caliskan⁴, M. Schnitzler⁴, M. McAdams-DeMarco⁵, J. Ahn⁵, S. Bae⁶, G. Hess⁷, D. Segev⁵, D. Axelrod², ¹Saint Louis University Center for Abdominal Transplantation, St. Louis, MO, ²U Iowa, Iowa City, IA, ³Mayo Clinic, Rochester, MN, ⁴Saint Louis University, Saint Louis, MO, ⁵Johns Hopkins, Baltimore, MD, ⁶Johns Hopkins, Baltimore, MO, ⁷Drexel, Philadelphia, MO

4:50 PM - 5:00 PM

Outcome Predictors with Perioperative Kidney Transplant Midodrine Usage

R. Watson¹, S. Mullins², S. Williams³, F. Fakhre⁴, K. Robichaux⁴, S. Mohammed⁴, M. Gosselin³, A. Kumar⁵, J. Buggs¹, V. Bowers¹, ¹Transplant Surgery, Tampa General Hospital, Tampa, FL, ²Florida A & M University, Tallahassee, FL, ³University of Tampa, Tampa, FL, ⁴University of South Florida, Tampa, FL, ⁵Morsani College of Medicine, University of South Florida, Tampa, FL

Program Topic: Liver

Expanding the Donor Pool (MELD Allocation/Donor Issues)

3:30 PM - 5:00 PM

Moderators:

Daniel Borja-Cacho, MD, University of Arkansas for Medical Sciences, Chicago, IL, USA

Kristopher Croome, MD, Mayo Clinic Florida, Jacksonville, FL, USA

3:30 PM - 3:40 PM

Oxygen Saturation During Donor Warm Ischemia Time and Outcome of Donation After Circulatory Death (DCD) Liver Transplantation: A Review of 1207 Cases

S. Duehren, S. J. Cotler, H. Dahari, Z. Shi, C. Joyce, L. Fernandez, D. Lee, *Loyola Univ Chicago, Maywood, IL*

3:40 PM - 3:50 PM

The Acuity Circle Allocation Policy is Associated with Worse Graft Survival After Liver Transplant with Donation After Circulatory Death Donors in Low-MELD Centers

T. Kitajima¹, T. Ivanics², D. Moonka¹, M. Shamaa¹, A. Mohamed³, S. Shimada¹, K. Collins⁴, M. Rizzari¹, A. Yoshida¹, M. Abouljoud⁴, S. Nagai¹, ¹Henry Ford Hospital, Detroit, MI, ²Surgery, Henry Ford Hospital, Detroit, MI, ³Department of Transplant and Hepatobiliary Surgery, Henry Ford Hospital, Detroit, MI, ⁴Henry Ford Transplant Institute, Detroit, MI

3:50 PM - 4:00 PM

Outcomes of Living Liver Donors Are Worse Than Those of Matched Healthy Controls: Nationwide Cohort Study

J. Kim¹, J. Choi², J. Kim³, H. Kim⁴, J. Joh¹, ¹Department of Surgery, Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, Korea, Republic of, ²Department of Surgery, Myongji Hospital, Goyang, Korea, Republic of, ³Department of Urology, Soonchunhyang University Hospital, Soonchunhyang University College of Medicine, Seoul, Korea, Republic of, ⁴Department of Preventive Medicine, Korea University, Seoul, Korea, Republic of

4:00 PM - 4:10 PM

Impact of the High Baseline Anti-a/b Antibody Titer on the Clinical Outcomes in ABO-incompatible Living Donor Liver Transplantation

J. Cho, B. Lee, H. Lee, *Surgery, Seoul National Bundang Hospital, Seongnam, Korea, Republic of*

4:10 PM - 4:20 PM

Factor V Leiden Heterozygosity and Live Donor Liver Donation - A Single Center Analysis

D. Reddy, S. Ganesh, A. M. Thompson, V. Gunabushanam, A. Ganoza, M. Molinari, A. Tevar, C. Hughes, A. Humar, *Thomas E Starzl Transplant Institute, University of Pittsburgh Medical Center, Pittsburgh, PA*



4:20 PM - 4:30 PM

Does Machine Perfusion of Heart for Donation After Cardiac Death (DCD) Transplantation Affect Other Organ Outcomes?

R. Misawa¹, K. Okumura², H. Sogawa¹, G. Veillette¹, A. Dhand³, R. Bodin⁴, D. C. Wolf⁴, B. Partiula⁴, D. John¹, T. Diflo⁵, S. Nishida¹, ¹*Department of Surgery, Transplant, Westchester Medical Center/New York Medical College, Valhalla, NY*, ²*Surgery, Westchester Medical Center/New York Medical College, Valhalla, NY*, ³*Department of Medicine, Westchester Medical Center/New York Medical College, Valhalla, NY*, ⁴*Medicine, Westchester Medical Center/New York Medical College, Valhalla, NY*, ⁵*Westchester Medical Center/New York Medical College, Valhalla, NY*

4:30 PM - 4:40 PM

The Rise in the Number of Eligible Donors for Liver Transplantation Has Been Driven by an Exponential Increase in Marginal Donors

C. Goff¹, M. F. McDonald¹, A. Anand¹, K. Agahi¹, J. Kahla¹, A. Jang¹, B. Martin¹, Z. Shah¹, S. Stockum¹, R. Vopni², J. A. Goss¹, A. Rana¹, ¹*Baylor College of Medicine, Houston, TX*, ²*Texas Tech University Health Science Center, Lubbock, TX*

4:40 PM - 4:50 PM

The Feasibility of Changing HCC MELD Exception Criteria to an Exclusive DCD-Only Option: A Strategy to Increase DCD Utilization

G. J. McKenna, P. Schultz, M. Finotti, M. Rosenzweig, A. Gupta, S. H. Lee, A. Wall, E. Martinez, J. Bayer, H. Fernandez, N. Onaca, R. Ruiz, G. Testa, *Baylor Simmons Transplant Institute, Baylor University Medical Center, Dallas, TX*

4:50 PM - 5:00 PM

Patient and Graft Survival for Simultaneous Kidney and Liver Transplant Recipients from Hepatitis C Viremic Donors: A Unos Database Analysis

Z. Haddadin, A. Parsikia, H. Kaul, N. Chandolias, R. Zaki, K. Khanmoradi, *General Surgery, Einstein Medical Center-Philadelphia, Philadelphia, PA*

Program Topic: Heart

Heart and VADs: All Topics II

3:30 PM - 5:00 PM

Moderators:

Michael Shullo, Pharm.D., WVU Medicine, Morgantown, WV, USA

Maryjane Farr, MD MSc, University of Texas Southwestern, Dallas, TX, USA

3:30 PM - 3:40 PM

Donor Derived Cell-Free DNA Median and Distribution in Pediatric Heart Transplant Patients

J. N. Gray¹, J. Miles¹, K. Oreschak¹, L. Jenkins¹, B. Feingold², ¹*CareDx, South San Francisco, CA*, ²*Children's Hosp of Pittsburgh, Pittsburgh, PA*

3:40 PM - 3:50 PM

The Trajectory of Donor-Derived Cell-Free DNA (dd-cfDNA) Complements the Baseline Measurements in Heart Transplant Surveillance for Rejection

P. Shah¹, R. Cheng², H. Eisen³, B. D. Lowes⁴, L. Lourenco Jenkins⁵, Y. Fu⁵, K. Qu⁵, J. Teuteberg⁶, E. DePasquale⁷, ¹*Inova Heart and Vascular Institute, Falls Church, VA*, ²*University of Washington Heart Institute, Seattle, WA*, ³*Pennsylvania State University, Hershey, PA*, ⁴*University of Nebraska Medical Center, Omaha, NE*, ⁵*CareDx, Brisbane, CA*, ⁶*Stanford University, Stanford, CA*, ⁷*University of Southern California, Los Angeles, CA*

3:50 PM - 4:00 PM

Impact of Donor and Recipient Characteristics on Early Post-Transplant Donor-Derived Cell-Free DNA (dd-cfDNA) Scores

A. Alam¹, J. Zeng², J. Teuteberg³, S. Hall¹, ¹*Baylor University Medical Center, Dallas, TX*, ²*CareDx, Brisbane, CA*, ³*Stanford University, Stanford, CA*

4:00 PM - 4:10 PM

A Sign of Things to Come? Clinical Markers After Elevated Donor-Derived Cell-Free DNA in Heart Transplant Recipients

D. T. Kim¹, E. J. Henricksen², B. M. Zhang³, J. J. Teuteberg¹, Y. Moayed⁴, H. I. Luikart¹, J. Han⁵, B. Wayda¹, K. Khush¹, ¹*Cardiology, Stanford University, Stanford, CA*, ²*Transplant, Stanford Health Care, Stanford, CA*, ³*Pathology, Stanford University, Stanford, CA*, ⁴*Cardiology, University Health Network, Toronto, ON, Canada*, ⁵*Cardiology, University of Chicago, Chicago, IL*

4:10 PM - 4:20 PM

Regulatory Gene Pathways Are Upregulated in Heart

Transplant Biopsies with Quilty Lesions

Q. Cai, L. De Las Casas, J. Torrealba, Pathology, UTSW Medical Ctr, Dallas, TX

4:20 PM - 4:30 PM

Correlation of Non-HLA Antibodies and Biopsy-Proven Antibody-Mediated Rejection

N. Patel, M. Kittleson, J. Patel, T. Singer-Englar, S. Kim, D. Chang, E. Kransdorf, D. Megna, J. A. Kobashigawa, Cedars-Sinai Smidt Heart Institute, Los Angeles, CA

4:30 PM - 4:40 PM

Evaluation of Post-Transplant Angiotensin II Type 1 Receptor Antibodies, Donor-Derived Cell-Free DNA, and Rejection in Heart Transplant Recipients

B. Agegnehu¹, S. Sterling¹, R. Winstead¹, I. Tchoukina², ¹Pharmacy, VCU Health System, Richmond, VA, ²Advanced Heart Failure and Transplant Cardiology, VCU Health System, Richmond, VA

4:40 PM - 4:50 PM

Longitudinal Characterization of Memory B Cells During Antibody Mediated Rejection Treated with Plasmapheresis, Bortezomib, and Belatacept in Heart Transplant Recipients

F. Alkhunaizi¹, M. Ellison², V. Berrich¹, M. Siegelin¹, M. Szabolcs¹, G. F. Sayer¹, N. Uriel¹, S. Restaino¹, A. Chong³, A. Zeevi², M. Habal¹, ¹Columbia University Medical Center, New York, NY, ²University of Pittsburgh Medical Center, Pittsburgh, PA, ³University of Chicago, Chicago, IL

4:50 PM - 5:00 PM

CoVID-19 Vaccine Efficacy in Heart Transplant Recipients, a Single Center Experience

M. Yu¹, S. B. Sharmin², C. Joyce³, Z. Pieters¹, S. DeSirkar¹, M. Thomas¹, S. Kim¹, E. Bruno¹, M. Liebo¹, A. Heroux⁴, N. Clark¹, G. Reid¹, S. Uprichard², ¹Loyola University Medical Center, Maywood, IL, ²Microbiology and Immunology, Loyola University Chicago, Chicago, IL, ³Department of Public Health Sciences, Loyola University Chicago, Chicago, IL, ⁴Loyola Univ Medical Ctr, Maywood, IL

Program Topic: ID

COVID-19 Infections Part 2: All Organs

3:30 PM - 5:00 PM

Moderators:

Daniel Friedman, MD, MSc, University of Chicago, Chicago, IL, USA

Aneesh Mehta, MD, Emory University School of Medicine, Atlanta, GA, USA

3:30 PM - 3:40 PM

Effect of Mycophenolate Mofetil Dosing on Antibody Response to SARS-CoV-2 Vaccination in Heart and Lung Transplant Recipients

J. Mitchell¹, T. P. Chiang¹, J. Alejo¹, A. Chang¹, A. Abedon¹, R. Avery¹, A. Tobian¹, A. Massie¹, M. Levan¹, D. Warren¹, J. Garonzik-Wang², D. Segev¹, W. Werbel¹, ¹Johns Hopkins University, Baltimore, MD, ²University of Wisconsin-Madison, Madison, WI

3:40 PM - 3:50 PM

High Case Fatality Rate Among Fully Vaccinated Kidney Transplant Recipients with Breakthrough Covid-19 During the Delta Surge

K. Vieira, E. Klein, A. Lerner, D. Farmakioits, Rhode Island Hospital/Brown University, Providence, RI

3:50 PM - 4:00 PM

Organ Transplant Outcomes from Donors with Positive SARS-CoV-2 PCRs in New York: A Case Series

A. L. Friedman¹, M. Pereira², M. Rana³, J. Akpede⁴, A. Dhand⁵, ¹LiveOnNY, New York, NY, ²New York Presbyterian Hospital, New York, NY, ³Icahn School of Medicine at Mount Sinai, New York, NY, ⁴LiveOnNY, Long Island City, NY, ⁵Westchester Medical Center, Chappaqua, NY

4:00 PM - 4:10 PM

Impaired Cellular Immunity and Elevated Myeloid Derived Suppressor Cells in Kidney Transplant Recipients with Impaired Antibody Response to Covid-19 Vaccination

B. Nibhanupudy¹, K. McDonald¹, M. Angelis¹, L. T. Chin¹, P. Wai¹, R. Metzger¹, C. Ashokkumar², R. Sindhi², ¹AdventHealth Transplant Institute, Orlando, FL, ²Plexision, Inc, Pittsburgh, PA

4:10 PM - 4:20 PM

Antibody Response and Cellular Phenotyping in Kidney Transplant Recipients Following Sars-CoV-2 Vaccination

N. M. Ali¹, J. Miles², S. Mehta¹, V. Tatapudi¹, B. Lonze¹, E. Weldon¹, Z. Stewart¹, C. DiMaggio¹, J. Allen³, S. Gray-Gaillard³, S. Solis³, M. Tuen³, J. Leonard¹, R. Montgomery¹, R. Herati³, ¹Transplant Institute, NYU Langone Health, New York, NY, ²CareDx, Brisbane, NY, ³NYU Langone Health, New York, NY

4:20 PM - 4:30 PM

The High Incidence of Long-COVID-19 in Kidney Transplant Recipients: A Longitudinal Cohort Study

V. Lafico Teixeira Gomes, P. Quintino, H. Tedesco, J. Medina, C. Eduardo Neves Amorim, M. Cristelli, *Hospital do Rim, Universidade Federal de São Paulo, São Paulo, Brazil*

4:30 PM - 4:40 PM

The Prevalence of Anti-SARS-CoV-2 Antibodies After COVID-19 is Similar in Kidney Transplant Recipients to Non-Transplanted Patients, and the Clinical Severity is a Predictor of Seroconversion

L. R. Reguião-Moura, R. Garcia, M. R. Nakamura, R. D. Foresto, V. Gomes, T. Ferreira, I. Meira, M. Cristelli, M. Jesus, R. Rissoni, E. Lucena, H. Tedesco-Silva, J. Medina-Pestana, *Nephrology Division - Hospital do Rim, Universidade Federal de São Paulo, São Paulo, Brazil*

4:40 PM - 4:50 PM

Assessment of Humoral and Cellular Immune Responses to Sars Cov-2 Vaccination in Immunocompromised Renal Allograft Recipients

B. Shin, R. Zhang, T. M. Gadsden, A. Petrosyan, A. Vo, N. Ammerman, S. Sethi, E. Huang, A. Peng, R. Najjar, J. Atienza, I. Kim, S. C. Jordan, *Cedars-Sinai Medical Center, Los Angeles, CA*

Program Topic: ID

Kidney: Polyoma Infections

3:30 PM - 5:00 PM

Moderators:

Hans Hirsch, MD, MSc, University of Basel / Department of Biomedicine / Transplantation & Clinical Virology, Basel, Switzerland

Darshana Dadhania, MD, MS, Weill Cornell Medicine - NYPH, New York, NY, USA

3:30 PM - 3:40 PM

The Molecular Landscape of Bk Polyomavirus Infection in Kidney Transplant Recipients at Single Cell Resolution

P. J. McCown, E. Farkash, F. Alakwaa, F. Eichinger, R. Menon, E. Otto, C. C. Berthier, K. J. Woodside, S. Norman, M. Kretzler, A. Naik, *University of Michigan, Ann Arbor, MI*

3:40 PM - 3:50 PM

High Incidence of BKPyV DNAemia After Simultaneous Pancreas-Kidney Transplantation

I. Helanterä¹, J. Rähä¹, S. von Moos², I. Lautenschlager³, V. Sallinen¹, M. Lempinen¹, T. Schachtner², ¹Transplantation and Liver Surgery, Helsinki University Hospital, Helsinki, Finland, ²University Hospital Zurich, Zurich, Switzerland, ³Department of Virology and Immunology, Helsinki University Hospital, Helsinki, Finland

3:50 PM - 4:00 PM

Single-Cell RNA Sequencing Highlights the Role of Epithelial-Immune Dual Feature of Proximal Tubule Cells in BK Virus Nephropathy

G. Huang, F. Yang, X. Chen, G. Zhao, H. Zhang, J. Luo, S. Yang, L. Zhou, *Organ Transplant Center, The First Affiliated Hospital of Sun Yat-Sen University, Guangzhou, China*

4:00 PM - 4:10 PM

Concordance of POLQ and PARP-1 Expression and MMEJ Type Viral Integration in the Progression of BKPyV-Associated Diseases

Y. Wang¹, Z. Yan¹, Y. Liu², J. Geng³, W. Deng¹, R. Xia¹, W. Zeng¹, J. Xu¹, C. Wu⁴, Y. Miao¹, ¹Department of Transplantation, Nanfang Hospital, Southern Medical University, Guangzhou, China, ²Department of Microbiology and Infectious Disease Center, School of Basic Medical Sciences, Peking University Health Science Center, Beijing, China, ³Department of Pathology, Nanfang Hospital, Southern Medical University, Guangzhou, China, ⁴Departments of Urology & Pathology, Massachusetts General Hospital, Harvard Medical School, Boston, MA

4:10 PM - 4:20 PM

The Impact of Neutralizing Antibodies on Polyomavirus

Infections in Mice

D. R. Butcher, B. D. Thompson, H. K. Singh, V. Nিকেleit,
*Pathology and Laboratory Medicine, UNC Chapel Hill
 School of Medicine, Chapel Hill, NC*

4:20 PM - 4:30 PM

Kinetic Analysis of Post-Clearance Phase Inflammation in Kidney Biopsies After BK Viremia

M. Vincent¹, J. T. Rajagopal¹, E. Farkash², ¹University of Michigan, Ann Arbor, MI, ²Dept. of Pathology, University of Michigan, Ann Arbor, MI

4:30 PM - 4:40 PM

BK Polyomavirus and Cytomegalovirus Infections in Kidney Transplantation from Hepatitis C Positive Donors to Uninfected Recipients

I. Yakubu, V. Amrutiya, I. Moinuddin, M. Levy, G. Gupta, A. Azhar, *Virginia Commonwealth University, Richmond, VA*

4:40 PM - 4:50 PM

Early Tacrolimus Exposure is Associated with BK-Viremia in Kidney Transplant Recipients

S. Meziyerh, A. L. van Rijn, D. van der Helm, P. J. van der Boog, T. van Gelder, A. C. Kroes, J. W. de Fijter, D. J. Moes, J. I. Rotmans, M. C. Feltkamp, A. P. de Vries, *LUMC, Leiden, Netherlands*

4:50 PM - 5:00 PM

Clinical Relevance of Absolute BK Polyoma Viral Load Kinetics in Patients with Biopsy Proven BK Polyomavirus Associated Nephropathy

H. Omic¹, J. P. Kläger¹, H. Herkner¹, S. W. Aberle¹, H. Regele¹, L. Weseslindtner¹, T. A. Schrag¹, G. Bond¹, K. Hohenstein¹, B. Watschinger¹, J. Werzowa², R. Strassl¹, M. Eder¹, Z. Kikic¹, ¹Medical University of Vienna, Vienna, Austria, ²Ludwig Boltzmann Institute of Osteology at the Hanusch Hospital of WGKK and AUVA Trauma Centre Meidling, 1st Medical Department, Hanusch Hospital, Vienna, Austria

Program Topic: Public Policy

Non-Organ Specific: Public Policy & Allocation

3:30 PM - 5:00 PM

Moderators:

Peter Reese, MD, PhD, University of Pennsylvania,

Philadelphia, PA, USA

Rachel Engen, MD MS, University of Wisconsin
 Madison, Madison, WI, USA

3:30 PM - 3:40 PM

Survey of Current Transplant Center Practices Regarding Covid-19 Vaccine Mandates in the United States

B. E. Hippen¹, D. Axelrod², K. Maher³, R. Xi³, D. Kumar⁴, M. Schnitzler³, K. Lentine³, ¹Head of Transplant Medicine, Fresenius Medical Care, Charlotte, NC, ²University of Iowa Transplant Clinic, Iowa City, IA, ³St. Louis University School of Medicine, St. Louis, MO, ⁴Ajmera Transplant Centre, Toronto, ON, Canada

3:40 PM - 3:50 PM

A Composite Endpoint to Improve Upon the Srtr 5-Tier Rating System

R. Formica¹, K. Wang², Y. Deng², D. Stewart³, ¹Yale School of Medicine, New Haven, CT, ²Yale School of Public Health, New Haven, CT, ³UNOS, Richmond, VA

3:50 PM - 4:00 PM

What Does It Mean—and How Common is It—For Deceased-Donor Kidneys to ‘Cross in the Air’ En Route to a Recipient?

G. R. Vece, K. Lindblad, M. Stuart, S. Diallo, *United Network for Organ Sharing, Richmond, VA*

4:00 PM - 4:10 PM

Beyond CPRA: Identifying Sensitized Kidney Candidates with Markedly Low Access to Transplant

K. Bradbrook¹, A. Maldonado², K. Sjöholm², C. Kjellman², J. Lee³, D. Stewart¹, ¹UNOS, Richmond, VA, ²Hansa Biopharma AB, Lund, Sweden, ³Immucor, Norcross, GA

4:10 PM - 4:20 PM

A Retrospective Evaluation of Organ Donation in the United States: Trends in Donors and Organ Utilization Over 15-Years

J. A. Steggerda¹, I. K. Kim², D. Borja-Cacho¹, ¹Transplant Surgery, Northwestern Memorial Hospital, Chicago, IL, ²Comprehensive Transplant Center, Cedars Sinai Medical Center, Los Angeles, CA

4:20 PM - 4:30 PM

Post-Transplant Outcomes and Financial Burden in Donation After Cardiac Death Donor Liver Transplant After the Implementation of Acuity Circle Allocation Policy

S. Shimada, T. Shamaa, T. Ivanics, T. Kitajima, M.



Adhnan, K. Collins, M. Rizzari, A. Yoshida, M. Abouljoud, S. Nagai, *Division of Transplant and Hepatobiliary Surgery, Henry Ford Hospital, Detroit, MI*

4:30 PM - 4:40 PM

Adjustment for Race and Ethnicity Does Not Change Transplant Center Outcome Metrics for Liver Recipients

K. Ross-Driscoll¹, J. Gunasti¹, J. Harding¹, D. Goldberg², R. Lynch¹, R. Patzer¹, ¹*Emory University, Atlanta, GA*, ²*University of Miami, Miami, FL*

4:40 PM - 4:50 PM

Comparative Analysis of Liver Organ Offers Pre- and Post-Acuity Circle Policy Change in the US

V. Reddy¹, R. Ruiz², H. Fernandez³, J. Bayer³, E. Martinez³, A. Gupta³, G. McKenna⁴, N. Onaca³, S. Lee³, T. Ma³, G. Testa³, A. Wall³, ¹*Baylor Scott and White Research Institute, Allen, TX*, ²*Baylor University Medical Center, Fort Worth, TX*, ³*Baylor University Medical Center, Dallas, TX*, ⁴*Baylor Simmons Transplant Inst, Dallas, TX*

4:50 PM - 5:00 PM

OPTN Required SARS-CoV-2 Lower Respiratory Testing for Lung Donors: Early Impact on Patient Safety and Organ Utilization

S. E. Booker¹, C. Martinez¹, C. Fox¹, C. Jett¹, D. Klassen¹, L. Danziger-Isakov², R. M. La Hoz³, ¹*UNOS, Richmond, VA*, ²*Cincinnati Children's Hospital Medical Center, Cincinnati, OH*, ³*University of Texas Southwestern Medical Center, Dallas, TX*

Program Topic: Basic

Ischemia Reperfusion

3:30 PM - 5:00 PM

Moderators:

Andrew Barbas, MD, Duke University, Durham, NC, USA

Paulo Martins, MD, PhD, FAST, FEBS, FACS, University of Massachusetts, Worcester, MA, USA

3:30 PM - 3:40 PM

Final Report of the Use of α -Lipoic Acid in Liver Transplantation to Prevent Ischemia Reperfusion Injury

P. C. Casciato¹, N. Ambrosi², F. Caro², L. Oliveira¹, F. Zalazar¹, A. Garmendia¹, M. Bonifacio¹, M. Padilla¹, J.

Paladini¹, J. Di Menno¹, J. Pekjol¹, E. de Santibañes¹, M. de Santibañes¹, G. Adrian¹, C. Incardona¹, E. Chuluyan², ¹*Hospital Italiano, Buenos Aires, Argentina*, ²*CEFYO, Buenos Aires, Argentina*

3:40 PM - 3:50 PM

Pretransplant Rifaximin Treatment Improves Liver Transplant Outcomes in Mice and Humans

H. Kojima, S. Kageyama, T. Ito, D. Noguchi, H. Hirao, K. Kadono, K. J. Dery, F. Kaldas, J. Kupiec-Weglinski, *UCLA Medical Center, Los Angeles, CA*

3:50 PM - 4:00 PM

CEACAM1 Splice Isoforms Are Regulated by Hypoxia Inducible Factors 1 alpha (HIF-1a) to Protect Against Ischemic Injury in Mouse and Human Liver Transplantation

K. J. Dery¹, H. Kojima¹, K. Kadono², H. Hirao¹, J. Kupiec-Weglinski³, ¹*UCLA, Los Angeles, CA*, ²*Liver Transplant Surgery, UCLA, Los Angeles, CA*, ³*UCLA Medical Center, Los Angeles, CA*

4:00 PM - 4:10 PM

Abnormal Kidney T Cell Metabolism During Ischemia Reperfusion Injury Can Be Modified to Improve Organ Structure and Function

K. Lee, E. A. Thompson, C. H. Patel, S. Gharai, J. T. Kurzhagen, S. Noel, P. M. Pierorazio, B. S. Slusher, H. Rabb, *Johns Hopkins University School of Medicine, Baltimore, MD*

4:10 PM - 4:20 PM

Novel Immune Checkpoint Molecule TIGIT Mediates Experimental Kidney Ischemia Reperfusion Injury

S. Noel, K. Lee, S. Gharai, J. T. Kurzhagen, H. Rabb, *Medicine, Johns Hopkins University, Baltimore, MD*

4:20 PM - 4:30 PM

Ikaros-SIRT1 Signaling Axis Regulates Macrophage Pyroptosis and Ischemia-Reperfusion Injury (IRI) in Mouse and Human Liver Transplantation

K. Kadono¹, H. Hirao¹, H. Kojima¹, K. J. Dery¹, X. Li², J. Kupiec-Weglinski¹, ¹*UCLA Medical Center, Los Angeles, CA*, ²*NIEHS, Durham, NC*

4:30 PM - 4:40 PM

Evolution of Donor-Derived Cell-Free DNA During the First Week After Surgery Predicts Renal Function Recovery After Kidney Transplantation

D. Cucchiari¹, E. Cuadrado¹, E. Gonzalez¹, J. Puig¹, M. Ramirez-Bajo¹, P. Ventura-Aguar¹, I. Revuelta², B. Bayès¹, F. Diekmann¹, ¹*Hospital Clínic de Barcelona, Barcelona, Spain*, ²*Hospital Clínic de Barcelona, Barcelona, Spain*

4:40 PM - 4:50 PM

Disulfide HMGB1 Reprograms Macrophages to Induce Alloimmunity via TLR4 and TLR9 Pathways Following Ischemia-Reperfusion Injury in Human Orthotopic Liver Transplantation

A. Q. Terry¹, R. A. Sosa¹, F. Kaldas², R. Busuttill³, D. Gjertson¹, J. Kupiec-Weglinski¹, E. Reed¹, ¹*Pathology and Laboratory Medicine, University of California, Los Angeles, Los Angeles, CA*, ²*University of California Los Angeles (Multi-organ), Los Angeles, CA*, ³*Surgery, University of California, Los Angeles, Los Angeles, CA*

4:50 PM - 5:00 PM

Combined Genome Wide and Single Nuclei Transcriptomics in Posttransplant Acute Kidney Injury Identifies Early Proinflammatory/Profibrogenic Cell Origin

J. McDaniels¹, T. Rousselle¹, E. Bardhi¹, A. Shetty¹, E. Akalin², D. Maluf¹, V. Mas¹, ¹*University of Maryland, Baltimore, MD*, ²*Albert Einstein College of Medicine, Montefiore Medical Ctr, Bronx, NY*

Program Topic: Basic

B-cell / Antibody / Autoimmunity

3:30 PM - 5:00 PM

Moderators:

Marilia Cascalho, MD, PhD, University of Michigan, Ann Arbor, MI, USA

Peter Sage, Ph.D., Brigham and Women's Hospital, Boston, MA, USA

3:30 PM - 3:40 PM

TIM-4 Identifies Proinflammatory B Cells Expressing an IL-23-Driven "Proinflammatory Module"

Q. Ding¹, V. Sola¹, D. Rothstein², ¹*University of Pittsburgh, Pittsburgh, PA*, ²*Thomas E Starzl Transplant Institute, Pittsburgh, PA*

3:40 PM - 3:50 PM

Natural vs Induced ABO Antibodies in a Murine Model: Role of Sex and T Cells

I. Adam¹, B. Motyka¹, K. Tao¹, P. J. Cowan², L. J. West¹, ¹*University of Alberta, Edmonton, AB, Canada*, ²*University of Melbourne, Melbourne, Australia*

3:50 PM - 4:00 PM

The Pre-Transplant Non-HLA Antibody Burden Predicts the Development of Histology of Antibody-Mediated Rejection After Kidney Transplantation

A. Senev¹, B. Ray², J. Hariharan², C. Heylen², M. Emonds¹, M. Naesens¹, ¹*Microbiology, Immunology and Transplantation, KU Leuven, Leuven, Belgium*, ²*Immucor Inc., Norcross, GA*

4:00 PM - 4:10 PM

Perturbing Proteostasis to Deplete Plasma Cells

A. Rossi¹, A. Burg¹, K. Roskin¹, A. Shields², R. Alloway², E. Woodle², D. Hildeman¹, ¹*Cincinnati Children's Hospital, Cincinnati, OH*, ²*University of Cincinnati College of Medicine, Cincinnati, OH*

4:10 PM - 4:20 PM

B Cells Fit for Germinal Center Activity Predict Response to a Third Dose of SARS-CoV-2 Vaccine in Solid Organ Transplant Recipients

E. A. Thompson¹, A. H. Karaba¹, K. Cascino¹, K. Roznik¹, T. Chiang¹, L. Biavatti¹, A. T. Abedon¹, J. L. Alejo¹, S. L. Klein¹, J. N. Blankson¹, D. S. Warren¹, C. X. Qin¹, J. Mitchell¹, J. M. Garonzik-Wang², B. J. Boyarsky¹, D. L. Segev¹, A. A. Tobian¹, W. A. Werbel¹, A. L. Cox¹, J. R. Bailey¹, ¹*Johns Hopkins University, Baltimore, MD*, ²*University of Wisconsin School of Medicine and Health, Madison, WI*

4:20 PM - 4:30 PM

The Roles of Intrarenal B Cells in Regulating Antibody Mediated Rejection After Kidney Transplantation

H. Zhang¹, C. Cavazzoni¹, E. Bechu¹, B. Hanson¹, M. A. Podestà¹, D. Kreisel², A. Alessandrini³, P. Sage¹, ¹*Transplantation Research Center, Renal Division, Brigham and Women's Hospital, Harvard Medical School, Boston, MA*, ²*Department of Surgery, Washington University in St Louis, St. Louis, MO*, ³*Center for Transplantation Sciences, Department of Surgery, Massachusetts General Hospital, Harvard, Boston, MA*

4:30 PM - 4:40 PM

Marginal Zone B Cells Support T Cell Reconstitution Following ATG Lymphoablation in Heart Allograft Recipients.



Y. Yamamoto, R. Fan, M. Nicosia, V. Gorbacheva, R. Fairchild, A. Valujskikh, *Inflammation and Immunity, Lerner Research Institute, Cleveland Clinic, Cleveland, OH*

4:40 PM - 4:50 PM

Autoimmune Responses to DNA Topoisomerase I Exacerbate Renal Allograft Injury

V. Gorbacheva, R. Fan, S. Miyairi, W. M. Baldwin, R. Fairchild, A. Valujskikh, *Inflammation and Immunity, Cleveland Clinic, Cleveland, OH*

4:50 PM - 5:00 PM

Effects of Race, Previous CoV2 Exposure and the Length and Type of Maintenance Immunosuppression on Protective Immunity to COVID19 Vaccine in Solid Organ Transplant Recipients

A. Choudhary¹, M. Lerman², S. Khan², J. Hunt², A. Nikaein³, D. Calianese¹, E. Kalu², D. K. Jaiyan⁴, W. Honnen¹, A. Pinter¹, ¹PHRI, Rutgers University, Newark, NJ, ²Transplant, Medical City Dallas, Dallas, TX, ³Texas Speciality, Medical City Dallas, Dallas, TX, ⁴pHRI, Rutgers University, Newark, NJ

Program Topic: Basic / Translational

Late Breaking: Basic / Translational

3:30 PM - 5:00 PM

Moderators:

Andrew Adams, MD, PhD, University of Minnesota Medical Center Fairview, Minneapolis, MN, USA

Linda Sher, MD, University of Southern California, Los Angeles, CA, USA

3:30 PM - 3:40 PM

Multimic Analyses Of Two Pig Kidney To Human Xenotransplants

B. Keating¹, B. Piening², M. Mangiola³, J. Stern⁴, W. Zhang⁵, A. Griesemer⁶, B. Lonze⁷, M. Snyder⁸, J. Boeke⁵, R. Montgomery⁷, ¹University of Pennsylvania, Philadelphia, PA, ²Providence Cancer Center, Portland, OR, ³New York University Langone Medical Center, New York, NY, ⁴Department of Surgery, NYU Langone, New York, NY, ⁵Institute of Systems Genetics, NYU Langone, New York, NY, ⁶Surgery, NYU Langone, New York, NY, ⁷NYU Langone Transplant Institute, New York, NY, ⁸Genetics, Stanford, Palo Alto, CA

3:40 PM - 3:50 PM

Understanding The Modification Of Eplet Mismatch Risk By Immunosuppression Regimen

A. Johnson¹, X. Zhang¹, L. Gragert², C. Larsen¹, ¹Emory University School of Medicine, Atlanta, GA, ²Tulane University School of Medicine, New Orleans, LA

3:50 PM - 4:00 PM

Trajectory Analysis Of Single Cell RNAseq Data Suggest Intrarenal Induction Of Tregs In Spontaneously Accepted Kidney Allografts

M. Guinn¹, E. S. Szuter¹, T. Yokose¹, J. Ge², B. Kwon¹, I. Rosales³, P. S. Russell¹, A. Cuenca², J. Madsen¹, R. Colvin³, A. Alessandrini¹, ¹Department of Surgery, Center for Transplantation Sciences, Massachusetts General Hospital, Boston, MA, ²Department of Surgery, Boston Children's Hospital, Boston, MA, ³Department of Pathology, Center for Transplantation Sciences, Massachusetts General Hospital, Boston, MA

4:00 PM - 4:10 PM

Donor-Specific T Cell Senescence In Operationally Tolerant Liver Transplant Recipients

K. Deng¹, N. Tanimine², C. Breeden³, B. Burrell³, G. Gaile³, K. Lee¹, R. Matheson¹, F. Qiang¹, C. Rickert¹, C. LeGuern¹, J. Markmann¹, ¹Center for Transplantation Sciences, Massachusetts General Hospital, Boston, MA, ²Department of Gastroenterological and Transplantation Surgery, Hiroshima University, Hiroshima, Japan, ³Immune Tolerance Network, Bethesda, MD

4:10 PM - 4:20 PM

Leveraging Car T Cells To Achieve Desensitization And Enable Transplantation

V. Bhoj, University of Pennsylvania, Philadelphia, PA

4:20 PM - 4:30 PM

High Incidence Of Anti-HLA DSA And Late Allograft Dysfunction In Solid Organ Transplant Recipients Hospitalized With Covid-19

J. T. Killian, S. Roman Soto, V. Hauptfeld-Dolejssek, E. B. Levitan, P. M. Porrett, V. Kumar, F. E. Lund, J. A. Houpp, University of Alabama at Birmingham, Birmingham, AL

4:30 PM - 4:40 PM

Generation Of Insulin Producing Cells From Pancreatic Tissue With Long Standing Type 1 Diabetes

Y. Garciafigueroa, J. B. Pollett, N. L. Thai, R. Bottino, Imagine Pharma, Pittsburgh, PA

Sponsor Networking

5:00 PM - 5:30 PM

Program Topic: All Topics

Join your fellow colleagues in Exhibit Hall C & D, Level 2 for networking with sponsors. Beverages will be served.

Rapid Fire Oral Abstract Sessions

5:30 PM - 7:00 PM

Program Topic: Kidney

Kidney Technical

5:30 PM - 7:00 PM

Moderators:

Zoe Stewart Lewis, MD, PhD, NYU Langone Transplant Institute, New York, NY, USA

Jim Kim, MD, FACS, Keck Medicine of USC, Los Angeles, CA, USA

5:30 PM - 5:40 PM

Single Port Robotic Kidney Transplantation: Comparison of Outcomes with Standard Open Kidney Transplantation
M. Eltemamy, A. Kaviani, Y. Lin, M. Abou Zeinab, V. Krishnamurthi, D. Goldfarb, J. Kaouk, A. Wee, *Glickman Urological & Kidney Institute, Cleveland Clinic, Cleveland, OH*

5:40 PM - 5:50 PM

Implanting a Robot-Assisted Kidney Transplant Program for ASTS Trained Transplant Surgeons with No Robotic Surgery Background

B. Kocak¹, N. Celik¹, E. Arpalı¹, B. Akyollu¹, B. Kilicer¹, E. Canda², Y. Kordan², ¹*Division of Organ Transplantation, Koc University Hospital, Istanbul, Turkey*, ²*Department of Urology, Koc University Hospital, Istanbul, Turkey*

5:50 PM - 6:00 PM

Utility of Porcine Kidneys in Transplantation Model for Training General Surgery Residents

O. Eletta, V. Putatunda, D. Walls, C. Antwi-Buosiako, B. Perry, N. Maloney Patel, R. Pelletier, A. Bongu, *Rutgers Robert Wood Johnson Medical School, New Brunswick,*

NJ

6:00 PM - 6:10 PM

Pre-Transplant Ex-Vivo Analysis of Kidney Vasculature and Perfusion Using Contrast Computed Tomography

A. Feizi¹, J. R. DiRito¹, M. Harris¹, J. C. Stendahl¹, S. Spindler¹, C. M. Edwards¹, T. Lysy¹, S. Lee¹, N. Boutagy¹, A. Fehér¹, P. Yoo¹, S. A. Hosgood², D. C. Mulligan¹, M. L. Nicholson², A. J. Sinusas¹, D. J. Haakinson¹, G. T. Tietjen¹, ¹*Yale School of Medicine, New Haven, CT*, ²*University of Cambridge, Cambridge, United Kingdom*

6:10 PM - 6:20 PM

A Single-Centre Study on the Diagnosis and Management of Transplant Ureteric Strictures: An 11 Year Experience

W. G. Norton¹, E. Aitken¹, M. Clancy², E. Murio¹, K. Gillis¹, ¹*Department of Renal Transplantation, NHS Greater Glasgow and Clyde, Glasgow, United Kingdom*, ²*NHS Greater Glasgow and Clyde, Glasgow, United Kingdom*

6:20 PM - 6:30 PM

Does Donor-to-Recipient Weight Mismatch Influence Short Term Outcomes of Deceased Donor Kidney Transplantation?

L. Sabbagh, M. Killackey, H. Jeon, K. Atiemo, A. Paramesh, **A. Vijay**, *Tulane University School of Medicine, New Orleans, LA*

6:30 PM - 6:40 PM

Impact of Recipient Warm Ischemic Time on Outcomes Associated with High KDPI and DCD Donor Kidneys: Cold Ischemic Time Remains Paramount

M. L. Jacobs, R. Stratta, M. Garner, B. Sharda, A. Farney, G. Orlando, A. Reeves-Daniel, C. Jay, *Department of Surgery, Atrium Health Wake Forest Baptist, Winston Salem, NC*

6:40 PM - 6:50 PM

Addressing the Organ Shortage, Improving Transplant Longevity, and Enabling Minimally Invasive Kidney Transplantation: Development of an Intraoperative Kidney Anastomosis Facilitation and Regeneration Device

K. S. Hansen¹, R. Meier², J. Gardner¹, ¹*University of California San Francisco, San Francisco, CA*, ²*Division of Transplant Surgery, University of Maryland, San Francisco, CA*

Program Topic: Kidney

Kidney Complications: Non-Immune Mediated Late Graft Failure

5:30 PM - 7:00 PM

Moderators:

Milagros Samaniego-Picota, MD, Henry Ford Health System, Detroit, MI, USA

Abdel Basset El Essawy, MBBCH, MSC, MD, PhD, FASN, FAST, Brigham and women's Hospital - Renal Division, Boston, MA, USA

5:30 PM - 5:40 PM

Renal Function at Five Years from a Randomized Multicenter Trial of Belatacept-Based CNI Free and Early Steroid Withdrawal Immunosuppression

E. Yangui¹, H. Hames¹, A. R. Shields¹, T. Shi¹, A. L. Christianson¹, J. Kremer², A. Govil¹, R. R. Alloway¹, E. S. Woodle¹, ¹University of Cincinnati, Cincinnati, OH, ²Christ Hospital, Cincinnati, OH

5:40 PM - 5:50 PM

Computer vs Human-Based Prediction and Stratification of the Risk of Long-Term Kidney Allograft Failure

G. Divard¹, M. Raynaud¹, V. Tataputii², B. Abdalla³, C. Legendre¹, C. Lefaucheur¹, O. Aubert¹, A. Loupy¹, ¹Paris Transplant Group, Paris, France, ²NYU Langone Health, New York, NY, ³UCLA, Los Angeles, CA

5:50 PM - 6:00 PM

Dynamic Risk Prediction of Kidney Graft Failure After Deceased Donor Transplant

D. G. Hu¹, H. Thiessen Philbrook¹, S. Mohan², I. Hall³, M. Doshi⁴, K. F. Kerr⁵, C. R. Parikh¹, ¹Johns Hopkins University, Baltimore, MD, ²Columbia University Medical Center, New York, NY, ³University of Utah, Salt Lake City, UT, ⁴University of Michigan, Ann Arbor, MI, ⁵University of Washington, Seattle, WA

6:00 PM - 6:10 PM

The Effect of Bariatric Surgery Pre-Transplant on Renal Transplant Outcomes

R. Zaminpeyma, S. Negi, N. Saberi, A. Andalib, S. Paraskevas, J. Tchervenkov, Surgery, McGill, Montreal, QC, Canada

6:10 PM - 6:20 PM

Impact of Early versus Late Initiation of Sirolimus Regimens on Mortality After Kidney Transplantation: Age-Stratified Analyses of Adult Recipients

A. Santos¹, H. Ibrahim¹, M. A. Leghrouz¹, X. Wen², ¹University of Florida, Gainesville, FL, ²University of Rhode Island, Kingston, FL

6:20 PM - 6:30 PM

Belatacept Conversion in Proteinuric Kidney Transplant Recipients: Effects in a Prospective Trial and a Retrospective Cohort

O. Efe¹, A. Al Jurdi¹, D. Wojciechowski², K. Safa¹, H. Gilligan¹, A. Chandraker³, J. Azzi³, A. Weins³, L. V. Riella¹, ¹Center for Transplantation Sciences, Massachusetts General Hospital, Charlestown, MA, ²UT Southwestern Medical Center, Dallas, TX, ³Brigham and Women's Hospital, Boston, MA

6:30 PM - 6:40 PM

Impact of Late and Recurrent Acute Graft Pyelonephritis on Long-Term Kidney Graft Outcomes

M. Pacaud¹, L. Colas¹, C. Kerleau², F. Le Borgne³, M. Giral², S. Brouard¹, J. Dantal², ¹CRT2I, Université de Nantes, Nantes, France, ²Service de Néphrologie et immunologie clinique, CHU de Nantes, Nantes, France, ³INSERM UMR 1246-SPHERE, Université de Nantes, Nantes, France

6:40 PM - 6:50 PM

Recipient Race Modifies the Association Between Obesity and Long Term Graft Outcomes After Renal Transplantation

F. Jarrar¹, K. Tennankore², A. J. Vinson³, ¹Dalhousie University, Halifax, NS, Canada, ²Nova Scotia Health Authority, Halifax, NS, Canada, ³Nova Scotia Health Authority Division of Nephrology, Departm, Halifax, NS, Canada

Program Topic: Kidney

Health Equity and Access I

5:30 PM - 7:00 PM

Moderators:

Rachel Patzer, PhD, Emory, Atlanta, GA, USA

Lisa McElroy, MD MS, Duke University, Durham, NC, USA



5:30 PM - 5:40 PM

Racial Hot Spots of Non-Preemptive Kidney Transplant Wait Listing, 2010-2020

R. B. Buchalter, J. D. Schold, *Department of Quantitative Health Sciences, Cleveland Clinic, Cleveland, OH*

5:40 PM - 5:50 PM

Racial Disparities in Preemptive Kidney Transplantation Beyond Listing Estimated Glomerular Filtration Rate

K. L. King¹, S. Husain², S. Mohan², ¹*Medicine - Nephrology, Columbia University Medical Center, New York, NY*, ²*Columbia University Medical Center, New York, NY*

5:50 PM - 6:00 PM

The Effect of Including Race Adjustment in EGFR for Black Living Kidney Donors

A. Henderson, A. Robinson, S. Noreen, L. A. Cartwright, T. G. Mupfudze, W. S. Cherikh, D. Klassen, J. Wainright, *UNOS United Network For Organ Sharing, Richmond, VA*

6:00 PM - 6:10 PM

Race Misclassification in Kidney Transplantation Research

A. Kernodle, V. Thompson, X. Chen, D. Segev, T. Purnell, M. McAdams-DeMarco, *Department of Surgery, Johns Hopkins University School of Medicine, Baltimore, MD*

6:10 PM - 6:20 PM

The Association of Pre-Transplant Dialysis Time and the Survival Benefit of Deceased Donor Kidney Transplantation

W. F. Parker¹, Y. Becker², R. Gibbons¹, ¹*University of Chicago, Chicago, IL*, ²*University of Chicago, Hinsdale, IL*

6:20 PM - 6:30 PM

Use of New 2021 CKD-EPI as an Endpoint in Transplant Trials May Significantly Influence Observations

E. Yangu¹, H. Hames¹, T. Shi², A. R. Shields¹, E. S. Woodle¹, R. R. Alloway¹, ¹*University of Cincinnati, Cincinnati, OH*, ²*CCHMC, Cincinnati, OH*

6:30 PM - 6:40 PM

Four Separate Frailty Metrics Lack Concordance and Are Non-Reflective of the Kidney Transplant Listing Outcome: A Large Single Center Review

A. Cimeno, G. Lewis, R. Parsons, *Transplant Surgery, Emory University Hospital, Atlanta, GA*

6:40 PM - 6:50 PM

Quantification of Center Aggressiveness in Accepting Sub-Optimal Kidney Donations from Deceased Donors in the US

T. P. Chiang¹, M. Eagleson¹, A. Massie¹, M. Krach¹, D. Segev¹, J. Garonzik Wang², ¹*Department of Surgery, Johns Hopkins University, Baltimore, MD*, ²*School of Medicine and Public Health, University of Wisconsin, Madison, WI*

6:50 PM - 7:00 PM

Superiority of Renal Transplantation in ESRD Management Over Long Term Dialysis in Octogenarians

s. karhadkar, J. Kolansky, K. Wirshup, A. Gregor, J. Dawes, A. DiCarlo, *Temple University Hospital, Philadelphia, PA*

Program Topic: Liver

MELD Allocation and Large Data

5:30 PM - 7:00 PM

Moderators:

Marc Melcher, MD, PhD, *Stanford University Medical Center, Menlo Park, CA, USA*

David Goldberg, MD, MSCE, *University of Miami Miller School of Medicine, Miami, FL, USA*

5:30 PM - 5:40 PM

Designing Continuous Distribution for Liver Allocation

M. Mankowski¹, N. Wood², D. Segev³, S. Gentry², ¹*Erasmus University, Rotterdam, Netherlands*, ²*US Naval Academy, Annapolis, MD*, ³*Johns Hopkins University, Baltimore, MD*

5:40 PM - 5:50 PM

18 Month Review of Liver Acuity Circles Allocation

J. Foutz¹, S. Noreen¹, M. Cafarella¹, A. Wilk¹, J. Trotter², S. Biggins³, J. Pomposelli⁴, ¹*United Network for Organ Sharing, Richmond, VA*, ²*Baylor University Medical Center, Dallas, TX*, ³*University of Washington, Seattle, WA*, ⁴*University of Colorado, Aurora, CO*

5:50 PM - 6:00 PM

Regional Variation in Early Effects of Acuity Circle-Based Liver Allocation

T. Ivanics¹, S. Nagai², T. Kitajima², S. Shimada², T. Shamaa², K. Collins², M. Rizzari², A. Yoshida², D.

Moonka², M. Abouljoud², ¹University of Toronto - University Health Network, Toronto, ON, Canada, ²Henry Ford Hospital, Detroit, MI

²Surgery, Stanford, Stanford, CA

6:00 PM - 6:10 PM

Disparities in Liver Transplant Access for HCC Patients Based on Patient Blood Type and the Intensity of Competition for Organs Under MMAT-3

A. J. Ahearn, H. Chowdhry, J. L. Dodge, K. Zhou, University of Southern California, Los Angeles, CA

6:50 PM - 7:00 PM

Development of a Radiomics-Based Model to Predict Graft Fibrosis in Liver Transplant Recipients: A Pilot Study

F. Qazi Arisar¹, E. Salinas-Miranda², H. Ale Ali², K. Lajkosz³, C. Chen¹, A. Azhie¹, G. M. Healy², D. Deniffel², M. A. Haider², M. Bhat¹, ¹Ajmera Transplant Program, University Health Network, Toronto, ON, Canada, ²Lunenfeld Tanenbaum Research Institute, Toronto, ON, Canada, ³Department of Biostatistics, University Health Network, Toronto, ON, Canada

6:10 PM - 6:20 PM

Sex Disparities in Access to Liver Transplant for Waitlisted Patients with Meld 40

D. C. Cron¹, H. Yeh¹, H. J. Braun², N. L. Ascher², D. C. Chang¹, J. T. Adler³, ¹Surgery, Massachusetts General Hospital, Boston, MA, ²Surgery, University of California San Francisco, San Francisco, CA, ³Surgery and Perioperative Care, University of Texas at Austin, Austin, TX

Program Topic: Liver

Pediatrics

6:20 PM - 6:30 PM

Comparison of Outcomes in High Donation After Circulatory Death Liver Transplantation Usage Centers in the Acuity Circles Era

L. Chau¹, A. Mohamed², T. Kitajima¹, K. Collins³, M. Rizzari¹, A. Yoshida⁴, M. Abouljoud³, S. Nagai¹, ¹Henry Ford Hospital, Detroit, MI, ²Department of Transplant and Hepatobiliary Surgery, Henry Ford Hospital, Detroit, MI, ³Henry Ford Transplant Institute, Detroit, MI, ⁴Henry Ford Hospital, Grosse Pointe, MI

5:30 PM - 7:00 PM

Moderators:

Megan Adams, MD, Children's Hospital of Colorado, Aurora, CO, USA

Blayne Amir Sayed, MD, PhD, University of Toronto, Toronto, ON, Canada

6:30 PM - 6:40 PM

Real-Time Application of Deep Learning in Diagnosis of Graft Fibrosis After Liver Transplantation Using Longitudinal Data

A. Azhie¹, D. Sharma², P. Sheth¹, W. Xu³, M. Bhat¹, ¹Ajmera Transplant Program, University Health Network, Toronto, ON, Canada, ²Department of Biostatistics, Princess Margaret Cancer Centre, University Health Network, Toronto, ON, Canada, ³Biostatistics Division, Dalla Lana School of Public Health, University of Toronto, Toronto, ON, Canada

5:30 PM - 5:40 PM

Allocation Based on Acuity Circles: Effects on Pediatric Liver Allocation

M. H. Kim, K. Sasaki, A. Gallo, T. Pham, M. L. Melcher, S. Busque, C. Esquivel, C. Bonham, Stanford University, Stanford, CA

6:40 PM - 6:50 PM

Development of a Portable Device to Quantify Hepatic Steatosis in Donated Livers Using an AI Algorithm

S. Klinkachorn¹, C. J. Tsoi-A-Sue², R. R. Narayan², M. L. Melcher², ¹Computer Science, Stanford, Stanford, CA,

5:40 PM - 5:50 PM

Hypomethylated Regulatory Regions in Immune Signaling Genes Characterize Rejection Prone Pediatric Liver Transplant (LT) Recipients

R. Sindhi¹, X. Shao², C. Ashokkumar¹, T. Pastinen³, R. Sindhi⁴, ¹Children's Hospital of Pittsburgh of UPMC, Pittsburgh, PA, ²National Research Council Canada, Digital Technologies Research Centre, National Research Council Canada, Ottawa, ON, Canada, ³University of Missouri-Kansas City School of Medicine, Kansas City, MO, ⁴Children's Hospital of Pittsburgh of UPMC, Pittsburgh, PA

5:50 PM - 6:00 PM

Identifying Predictors of Pediatric Heart Only versus Combined Heart-Liver Transplantation

K. Zhang, S. Chen, A. Syed, A. Gallo, C. Esquivel, C.



Bonham, S. Hollander, M. Ma, J. Han, N. Ebel, *Stanford University, Stanford, CA*

6:00 PM - 6:10 PM

Safety and Immunogenicity of Live Viral Vaccination After Pediatric Liver and Kidney Transplantation

A. Feldman¹, B. Beaty¹, N. Ebel², J. Ferrolino³, V. Gopalareddy⁴, J. Hollenbeck⁵, C. Jaramillo⁶, N. Kerkar⁷, S. Lerret⁸, G. Maron³, A. Mavis⁹, N. Ovchinsky¹⁰, M. Sell¹¹, T. Sharma¹², J. Stoll¹³, L. Danziger-Isakov¹⁴, ¹UCD, Aurora, CO, ²Stanford, Palo Alto, CA, ³St. Jude, Memphis, TN, ⁴LCH, Charlotte, NC, ⁵Michigan Medicine, Ann Arbor, MI, ⁶PCH, Salt Lake City, UT, ⁷URMC, Rochester, NY, ⁸MCW, Milwaukee, WI, ⁹Duke, Durham, NC, ¹⁰Montefiore, NYC, NY, ¹¹MUSC, Charleston, SC, ¹²BCH, Boston, MA, ¹³WUSM, St Louis, MO, ¹⁴CCHMC, Cincinnati, OH

6:10 PM - 6:20 PM

Variation in Immunosuppressive Regimen in Children Receiving Liver Transplants: An Analysis of the UNOS Database

V. K. Raghu¹, J. E. Squires¹, C. Confair², E. Katz-Eisenberg², G. V. Mazariegos³, E. R. Perito⁴, ¹Pediatrics, University of Pittsburgh, Pittsburgh, PA, ²Starzl Network for Excellence in Pediatric Transplantation, Pittsburgh, PA, ³UPMC Children's Hospital of Pittsburgh, Pittsburgh, PA, ⁴Pediatrics, University of California San Francisco, San Francisco, CA

6:20 PM - 6:30 PM

Antibody and Cellular Immunity After Primary mRNA Vaccination in Adolescents with Stable Liver or Liver-Inclusive Intestine Allografts

G. Mazariegos¹, C. Ashokkumar², K. Soltys², M. Michaels², G. Bond², A. Khanna², M. Ningappa², P. Morgan², R. Sindhi², ¹UPMC Children's Hospital of Pittsburgh, Pittsburgh, PA, ²Childrens Hospital of Pittsburgh of UPMC, Pittsburgh, PA

6:30 PM - 6:40 PM

Meld/Peld Exception Policy and Outcomes in Children with Hepatopulmonary Syndrome Requiring Liver Transplantation in the United States

M. H. Raza¹, P. Kobierski¹, A. Misra², A. Lim³, C. Goldbeck², K. Etesami², R. Kohli⁴, J. Emamaullee², ¹Keck School of Medicine of USC, Los Angeles, CA, ²Surgery, University of Southern California, Los Angeles, CA,

³University of Southern California, Los Angeles, CA, ⁴Liver Transplant Program, Children's Hospital-Los Angeles, Los Angeles, CA

6:40 PM - 6:50 PM

Increased Waitlist Mortality in Pediatric Liver Transplant Candidates with Greater Distance from Transplant Center
C. X. Qin, T. Ishaque, S. M. Frey, A. B. Massie, A. M. Cameron, D. L. Segev, E. A. King, *Johns Hopkins University School of Medicine, Baltimore, MD*

Program Topic: Lung

Early and Late Outcomes in Lung Transplantation

5:30 PM - 7:00 PM

Moderators:

Matthew Hartwig, MD, Duke, Durham, NC, USA
Keith Wille, MD, Univ of Alabama at Birmingham, Birmingham, AL, USA

5:30 PM - 5:40 PM

Impact of Long Agonal Duration on Outcomes After Donation After Circulatory Death Lung Transplantation: An Analysis of the United Network of Organ Sharing Database

J. Thomas, Q. Chen, J. Chikwe, D. Emerson, D. Megna, P. Catarino, *Department of Cardiac Surgery, Smidt Heart Institute, Cedars-Sinai Medical Center, Los Angeles, CA*

5:40 PM - 5:50 PM

Lung Transplantation After Ex Vivo Lung Perfusion, Early and Mid-Term Outcomes

K. Noda, E. G. Chan, J. Ryan, M. Furukawa, J. D. Luketich, P. G. Sanchez, *Department of Cardiothoracic Surgery, University of Pittsburgh, Pittsburgh, PA*

5:50 PM - 6:00 PM

Role for Club Cell Secretory Protein in Inducing Exosomes and Activation of Immune Responses in Lung Transplanted Recipients for Cystic Fibrosis

R. Ravichandran¹, V. Kaza², R. Bremner¹, M. Smith¹, T. Mohanakumar¹, ¹St. Joseph's Hospital and Medical Center, Phoenix, AZ, ²University of Texas Southwestern, Dallas, TX

6:00 PM - 6:10 PM

Effect of Prophylactic Treatment of Osteoporosis on the

Progression of Bone Mineral Density and Fractures in Lung Transplant Recipients - A Five-Year, Single-Center Experience

P. Singh¹, A. Ross², J. Mejia¹, T. E. Pesavento¹, S. Meng¹, ¹Transplant nephrology, Ohio State University, Columbus, OH, ²Transplant nephrology, The Ohio State University, Columbus, OH

6:10 PM - 6:20 PM

Top Molecules Associated with CLAD in Lung Transplants Are Shared Between Mucosal Biopsies, Transbronchial Biopsies, and Kidney Transplant Biopsies at Risk of Progression

M. Mackova¹, K. Halloran², P. F. Halloran¹, .. and the INTERLUNG Study Group³, ¹Alberta Transplant Applied Genomics Centre, Edmonton, AB, Canada, ²University of Alberta, Edmonton, AB, Canada, ³., ., AB, Canada

6:20 PM - 6:30 PM

Angiotensin II-Regulated Proteins Production by Pulmonary Macrophages in Chronic Lung Allograft Dysfunction

S. Farkona¹, A. Duong², G. Berra², S. Moshkelgosha², S. Clotet-Freixas¹, S. Juvet², T. Martinu², A. Konvalinka¹, ¹Toronto General Hospital Research Institute and Multi-Organ Transplant, University Health Network, Toronto, ON, Canada, ²Toronto Lung Transplant Program, University Health Network, Toronto, ON, Canada

6:30 PM - 6:40 PM

De Novo Donor-Specific Antibody Development with Mycophenolate versus Azathioprine in Lung Transplant Recipients

A. Prom¹, K. Walter², K. Gomez³, C. Doligalski¹, L. Lobo¹, R. Evans¹, ¹UNC Health, Chapel Hill, NC, ²University of Michigan, Ann Arbor, MI, ³University of North Carolina Eshelman School of Pharmacy, Chapel Hill, NC

6:40 PM - 6:50 PM

Surveillance with Allosure for Allograft Rejection and Infection in Lung Transplant

M. M. Botros¹, N. Sulejmani², B. F. Reader³, B. C. Keller¹, ¹Pulmonary, Critical Care & Sleep Medicine, The Ohio State University, Columbus, OH, ²Medical Affairs, CareDx, South San Francisco, CA, ³Division of Transplant Surgery, The Ohio State University, Columbus, OH

Program Topic: Small Bowel

Intestinal Transplantation and Rehabilitation

5:30 PM - 7:00 PM

Moderators:

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

Shekhar Kubal, MD, PhD, Indiana University School of Medicine, Indianapolis, IN, USA

5:30 PM - 5:40 PM

The Effect of COVID-19 Pandemic in Intestinal Rehabilitation and Transplant Patients - International Multicenter Survey

M. Segovia¹, M. Fernandez², S. Jafri³, T. Schiano⁴, S. Horslen⁵, C. Rumbo², C. Zanfi⁶, A. Testro⁷, L. Sharkey⁸, F. Braun⁹, H. Vilca Melendez¹⁰, R. Sanchez Claria¹¹, L. Ceulemans¹², T. Hibi¹³, D. Ramish², G. Noel¹, G. Dijkstra¹⁴, P. Friend¹⁵, F. Lacaille¹⁶, D. Sudan¹, G. Mazariegos¹⁷, J. Yap¹⁸, G. Herlenius¹⁹, H. Solar², G. Gondolesi², ¹Duke, Durham, NC, ²Favaloro, Buenos Aires, Argentina, ³Henry Ford, Detroit, MI, ⁴Mount Sinai, New York, NY, ⁵UPMC, Edgeworth, PA, ⁶U Bologna, Bologna, Italy, ⁷Austin Health, Melbourne, Australia, ⁸Cambridge, Cambridge, United Kingdom, ⁹Schleswig-Holstein, Kiel, Germany, ¹⁰King's College, London, United Kingdom, ¹¹Hosp Italiano, Buenos Aires, Argentina, ¹²U Leuven, Brussels, Belgium, ¹³Kumamoto Univ, Kumamoto, Japan, ¹⁴U Groningen, Groningen, Netherlands, ¹⁵U Oxford, Oxford, United Kingdom, ¹⁶Necker-Enfants Malades, Paris, France, ¹⁷UPMC, Pittsburgh, PA, ¹⁸U Melbourne, Melbourne, Australia, ¹⁹U Sahlgrenska, Gothenburg, Sweden

5:40 PM - 5:50 PM

The Outcome of Clostridioides Difficile Infection in Hospitalized Intestinal Transplant Recipients

W. Amjad¹, T. Schiano², A. Malik³, M. Segovia⁴, S. Jafri⁵, ¹Clinical Investigation, Harvard Medical School, Boston, MA, ²Intestinal and Liver Transplantation, Mount Sinai Medical Center, New York, NY, ³Internal Medicine, Saint Joseph's Medical Center, Stockton, CA, ⁴Small Intestine and Liver Transplant, Duke University School of Medicine, Durham, NC, ⁵Gastroenterology and Hepatology, Henry Ford Health System, Detroit, MI

5:50 PM - 6:00 PM

Adenovirus Enteritis Following Intestinal Transplantation
S. Jafri¹, A. Mavis², J. Weiner³, M. C. Segovia², ¹Henry Ford Health System, Detroit, MI, ²Duke University, Durham, NC, ³Columbia, New York, NY

C. G. Yergin¹, C. Warren², S. Duarte³, T. Beduschi⁴, A. Zarrinpar³, ¹College of Medicine, University of Florida, Gainesville, FL, ²-, -, AL, ³University of Florida, Gainesville, FL, ⁴Department of Surgery, University of Florida, Gainesville, FL

6:00 PM - 6:10 PM

Surveillance with Protocol Biopsies for Rejection Significantly Impacts Survival Following Intestine Transplant

J. R. Sherwood¹, Y. Ichkhanian², N. Beltran³, S. Nagai³, S. Jafri⁴, ¹Wayne State School of Medicine, Detroit, MI, ²Department of Internal Medicine, Henry Ford Hospital, Detroit, MI, ³Department of Transplant Surgery, Henry Ford Hospital, Detroit, MI, ⁴Division of Gastroenterology and Hepatology, Henry Ford Hospital, Detroit, MI

Program Topic: ID

Transplant Infectious Diseases: All Organs

6:10 PM - 6:20 PM

Noninvasive Biomarkers for Allograft Monitoring After Intestinal Transplantation: Promising Early Results from a Novel Peptide, REG3α

C. P. Smullin¹, R. S. Venick², E. A. Marcus², B. V. Naini³, D. G. Farmer⁴, ¹David Geffen School of Medicine at University of California Los Angeles, Los Angeles, CA, ²Pediatrics, David Geffen School of Medicine at University of California Los Angeles, Los Angeles, CA, ³Pathology, David Geffen School of Medicine at University of California Los Angeles, Los Angeles, CA, ⁴Surgery, David Geffen School of Medicine at University of California Los Angeles, Los Angeles, CA

5:30 PM - 7:00 PM

Moderators:

John Baddley, MD, MSPH, University of Maryland School of Medicine, Baltimore, MD, USA

Maheen Abidi, MBBS, University of Colorado Denver, DENVER, CO, USA

5:30 PM - 5:40 PM

Pre-Transplant Frailty Predicts Infection After Liver Transplant in a Multi-Center Study of Older Adults

M. Malinis¹, M. Abidi², E. Benamu², N. Jakharia³, N. Law⁴, R. Sigler⁴, R. Nog⁵, S. Olivier⁵, S. Taimur⁶, N. Theodoropoulos⁷, J. Schaenman⁸, ¹Yale SOM, New Haven, CT, ²Univ of CO, Aurora, CO, ³Stanford, Palo Alto, CA, ⁴UCSD, San Diego, CA, ⁵Westchester Med Ctr, Westchester, NY, ⁶Mount Sinai SOM, New York, NY, ⁷Univ of MA, Worcester, MA, ⁸UCLA, Los Angeles, CA

6:20 PM - 6:30 PM

Outcomes in Pediatric Intestinal Retransplantation

E. J. Lee¹, G. Mazariegos¹, K. Soltys¹, G. Bond¹, A. Ganoza¹, J. Rudolph², S. Horslen², R. Sindhi¹, A. Khanna¹, ¹Transplant Surgery, UPMC, Pittsburgh, PA, ²Division of Gastroenterology, Hepatology and Nutrition,, UPMC, Pittsburgh, PA

5:40 PM - 5:50 PM

Nocardia Infection and Associated Outcomes in Patients with Solid Organ Transplant

R. Munshi¹, J. Pellegrini Jr.¹, M. Lannom¹, N. Nehru², W. Olsthoorn², F. Anjum³, ¹Internal Medicine, Nassau University Medical Center, West Hempstead, NY, ²American University of the Caribbean, Cupecoy, Saint Martin, ³Pulmonary and Critical Care, University of Pennsylvania, Philadelphia, PA

6:30 PM - 6:40 PM

25 Years of a Standardized Living Donor (LD) Intestinal Transplant Technique - What Has Been Achieved?

R. Gruessner¹, A. C. Gruessner², ¹SUNY Downstate Medical Center, Brooklyn, NY, ²SUNY Downstate Medical Center, Brooklyn, MA

5:50 PM - 6:00 PM

Donor-Derived Carbapenem-Resistant Gram-Negative Infections: Risk Mitigation Strategy in Solid Organ Transplant Improves Recipients Safety and Could Expand Donor Pool

A. Mularoni¹, E. Graziano¹, M. Campanella¹, A. Cervo², M. Peghin³, F. Barbera¹, P. Conaldi¹, A. Luca¹, P. A. Grossi⁴, ¹ISMETT, Palermo, Italy, ²Department of Infectious Diseases, Azienda Ospedaliero-Universitaria Policlinico of Modena, Modena, Italy, ³Division of

6:40 PM - 6:50 PM

The Effects of Race-Matching in Small Intestine Transplantation



Infectious Diseases, ASUFC, Udine, Italy, ⁴Infectious and Tropical Diseases Unit, University of Insubria, Varese, Italy

J. Walker, C. Bennett, R. Griffin, B. Orandi, J. Locke, R. Cannon, S. Sheikh, A. Nellore, R. Lee, University of Alabama at Birmingham, Birmingham, AL

6:00 PM - 6:10 PM

Combined Metagenomic Viral Detection and Donor-Derived Cell-Free DNA Quantification for Solid Organ Transplant Recipients

R. Sinha¹, C. Rebello², E. Bixler¹, A. Al-Turck¹, A. Berg¹, J. Friedewald², S. Kleiboeker¹, ¹*Eurofins Viracor, Lees Summit, MO*, ²*Northwestern University, Chicago, IL*

6:10 PM - 6:20 PM

Lack of Measles Immunity and Vaccination Rates in Patients Being Evaluated for Solid Organ Transplant: Missed Opportunities

C. Larsen¹, C. Kotton², ¹*Internal Medicine, University of Texas Southwestern Medical Center, Dallas, TX*, ²*Massachusetts General Hospital, Boston, MA*

6:20 PM - 6:30 PM

Infectious Disease Testing Among US Deceased Organ Donors

A. Mezocho¹, T. Bittermann¹, E. Blumberg¹, R. Hasz², J. Anesi¹, ¹*Hospital of the University of Pennsylvania, Philadelphia, PA*, ²*Gift of Life Donor Program, Philadelphia, PA*

6:30 PM - 6:40 PM

Lung Transplantation Outcomes in Recipients Living with HIV in the United States

J. M. Czeresnia¹, S. Madan², M. M. Abbasi³, V. Hemmige¹, ¹*Department of Medicine - Division of Infectious Diseases, Montefiore Medical Center, Bronx, NY*, ²*Department of Medicine - Division of Cardiology, Montefiore Medical Center, Bronx, NY*, ³*Department of Surgery - Division of Cardiovascular and Thoracic Surgery, Montefiore Medical Center, Bronx, NY*

6:40 PM - 6:50 PM

Noroviral Diarrhea in Solid Organ Transplant Recipients: Characteristics, Interventions and Outcomes

S. N. Nair, A. Bhaskaran, A. Chandorkar, L. Fontana, K. Obeid, *University of Minnesota, Minneapolis, MN*

6:50 PM - 7:00 PM

A Single Center Retrospective Cohort Study Comparing the Rates of MDROs in DCD vs DBD Liver Transplant Recipients

Program Topic: Basic

Machine Perfusion and Organ Rehabilitation - Basic

5:30 PM - 7:00 PM

Moderators:

Gregory Tietjen, PhD, Yale University School of Medicine, New Haven, CT, USA

Andrew Barbas, MD, Duke University, Durham, NC, USA

5:30 PM - 5:40 PM

Local Mesenchymal Stem Cell Therapy for the Ex Vivo Preservation of a Porcine Vascularized Composite Allograft with 24-hour Normothermic Machine Perfusion

A. Bernal¹, J. Hinshaw¹, J. Pena¹, C. Hinshaw¹, D. Wood¹, K. Zimmern², N. McMahon², J. Ling², W. Zhang¹, E. Weitzel¹, ¹*US Army Institute of Surgical Research/59th MDW, San Antonio, TX*, ²*Southwest Research Institute, San Antonio, TX*

5:40 PM - 5:50 PM

Novel Portable Hypothermic Cardiac Preservation Device Enhances Cardiac Viability and Function of the Isolated Porcine Hearts

K. Andrijauskaitė, R. J. Veraza, R. P. Lopez, E. C. Cisneros, I. J. Jessop, M. D. Watt, L. Bunegin, *Vascular Perfusion Solutions, Inc, San Antonio, TX*

5:50 PM - 6:00 PM

Sigma-1 Receptor Agonists Are Protective in a Rat Model of Kidney Transplantation

A. Hosszu¹, T. Lakat¹, A. Toth¹, J. Hodrea¹, L. Wagner², A. J. Szabo¹, A. Fekete¹, ¹*1st Department of Pediatrics, Semmelweis University, Budapest, Hungary*, ²*Department of Transplantation and Surgery, Semmelweis University, Budapest, Hungary*

6:00 PM - 6:10 PM

Enhanced Delivery of Nanomedicine to Human Kidney During Ex Vivo Perfusion

C. Albert¹, L. Bracaglia¹, A. Koide², J. R. DiRito¹, T. Lysy¹, E. Christopher¹, J. Grundler¹, J. T. Langford¹, D. Haakinson¹, J. S. Pober¹, W. M. Saltzman¹, S. Koide², G.

Tietjen¹, ¹Yale University, new haven, CT, ²Perlmutter Cancer Center, New York University Langone Medical Center, New York, NY

CA, ²NIEHS, Durham, NC

6:10 PM - 6:20 PM

Perfusate Metabolites and Association with Pump Perfusion and Allograft Failure

R. X. Liu¹, N. Koyawala², H. T. Philbrook², I. Hall³, P. Reese⁴, S. Mohan⁵, M. Doshi⁶, C. Parikh¹, ¹Johns Hopkins University School of Medicine, Baltimore, MD, ²Department of Medicine, Division of Nephrology, Johns Hopkins University School of Medicine, Baltimore, MD, ³University of Utah School of Medicine, Salt Lake City, UT, ⁴University of Pennsylvania Perelman School of Medicine, Philadelphia, PA, ⁵University of Columbia Vagelos College of Physicians & Surgeons, New York, NY, ⁶University of Michigan, Ann Arbor, MI

6:20 PM - 6:30 PM

Analysis of Tissue and Effluent Damage Associated Molecular Patterns Following Hypothermic Oxygenated Machine Perfusion vs Static Cold Storage in Liver Transplantation

G. G. Panayotova, Y. Qin, S. Simonishvili, T. Ayorinde, F. Paterno, L. Brown, A. Amin, K. E. Lunsford, J. V. Guarrera, *Transplant Surgery, Rutgers New Jersey Medical School, Newark, NJ*

6:30 PM - 6:40 PM

Artificial Mitochondria Transfer to Mitigate Ischemic Damage in an In Vitro Model of Tubular Injury and in an Ex Vivo Porcine Model of DCD Renal Transplantation

A. Rossi¹, S. Sedrakyan², F. Montali³, C. Aardena⁴, N. Abraham⁵, A. Barbas⁵, L. N. Byers⁶, C. Palles⁷, A. Asthana⁶, J. Robertson⁴, L. Perin², R. Senger⁴, B. Bussolati¹, G. Orlando⁸, ¹Un. of Turin, Turin, Italy, ²Children Hospital, Los Angeles, CA, ³Un. of L'Aquila, L'Aquila, Italy, ⁴VA Tech, Blacksburg, VA, ⁵Duke, Durham, NC, ⁶WFIRM, Winston Salem, NC, ⁷University of Florida, Gainesville, FL, ⁸Wake Forest Baptist, Winston-Salem, NC

6:40 PM - 6:50 PM

Hepatocyte SIRT1 Regulation of Apoptosis-Mediated Pyroptosis Cell Death in Mouse and Human Liver Transplantation

K. Kadono¹, H. Hirao¹, H. Kojima¹, K. J. Dery¹, X. Li², J. Kupiec-Weglinski¹, ¹UCLA Medical Center, Los Angeles,

6:50 PM - 7:00 PM

Delivery of Plasmin During Machine Perfusion or Cold Storage Flush Improves Early Transplant Outcomes in a Rat Dcd Liver Transplant Model

N. Abraham¹, M. Zhang¹, P. Cray², R. Neill¹, G. Cywinska¹, J. Migaly¹, R. Kahan¹, A. Pontula¹, J. Penaflo¹, Q. Gao¹, K. P. Samy¹, J. J. Pollara², V. Novokhatny³, M. G. Hartwig¹, A. S. Barbas¹, ¹Duke Division of Abdominal Transplant Surgery, Duke Ex-Vivo Organ Lab (DEVOL), Durham, NC, ²Duke Division of Surgical Sciences, Pollara lab, Durham, NC, ³Bioscience Industrial Group, Grifols R&D, Durham, NC

Program Topic: Basic

Acute Rejection

5:30 PM - 7:00 PM

Moderators:

Brittany Rocque, MD, MSc, University of Southern California Keck School of Medicine, Chino Hills, CA, USA
Austin Schenk, MD, PhD, The Ohio State University Wexner Medical Center, Columbus, OH, USA

5:30 PM - 5:40 PM

Upregulation of Innate Immune Pathways is Associated with Increased Rejection in HIV-Infected Kidney Transplant Recipients

A. Zarinsefat¹, Y. Kelly¹, D. Dobi¹, G. Szabo¹, Z. Laszik¹, P. Stock¹, H. Braun², ¹UC San Francisco, San Francisco, CA, ²University of California, San Francisco, CA

5:40 PM - 5:50 PM

Fibroblastic Reticular Cell Lama4 Regulates T Cell Migration to Lymph Nodes and Adaptive Immunity

L. Li¹, M. Shirkey¹, T. Zhang¹, W. Piao¹, V. Saxena¹, Z. Mei¹, Y. Guo¹, A. Krupnick¹, A. Kensiski¹, S. Gavzy¹, R. Abdi², J. Bromberg¹, ¹Surgery, UMB, Baltimore, MD, ²Harvard University, Boston, MA

5:50 PM - 6:00 PM

Temporal Changes in the Peripheral Immune Profile of Acute Rejection Highlight New Mechanisms of Alloimmunity and Potential Non-Invasive Biomarkers of Rejection in Pediatric Liver Transplantation

D. N. Sarode¹, B. Rocque¹, A. Barbeta¹, P. Singh¹, C.

Goldbeck¹, C. Weaver², O. Akbari¹, R. Kohli², J. Emamaullee¹, ¹University of Southern California Keck School of Medicine, Los Angeles, CA, ²Children's Hospital Los Angeles, Los Angeles, CA

KU Leuven, Leuven, Belgium, ⁵ESAT Stadius Center for Dynamical Systems, Signal Processing and Data Analytics, KU Leuven, Leuven, Belgium

6:00 PM - 6:10 PM

Renal Allograft Rejection: New Paradigms in the T Cell Landscape Revealed by Single Cell RNAseq Analysis

T. Shi¹, A. Burg¹, K. Roskin², J. Rush³, B. Haraldsson³, A. Shields⁴, R. Alloway⁴, E. Woodle⁵, D. Hildeman¹, ¹Immunobiology, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, ²Biomedical Informatics, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, ³Novartis Pharmaceuticals AG, Basel, Switzerland, ⁴Internal Medicine, University of Cincinnati, Cincinnati, OH, ⁵Surgery, University of Cincinnati, Cincinnati, OH

6:40 PM - 6:50 PM

Characterization of Kidney Allograft Pathology Using the Histomap Gene Expression Profile (GEP) and Formalin Fixed Paraffin Embedded (FFPE) Tissue

N. Garg¹, K. Degner², H. Zhang³, W. Tian³, F. Aziz⁴, S. Parajuli², W. Zhong², N. Wilson², S. Panzer¹, A. Djamali², ¹University of Wisconsin Madison, Madison, WI, ²University of Wisconsin, Madison, WI, ³CareDx, Brisbane, CA, ⁴University of Wisconsin, Madison, WI

6:10 PM - 6:20 PM

Surveillance of Donor-Derived Cell-Free DNA Throughout Treatment of Acute Rejection in Pediatric Renal Transplant Recipients

K. A. Klein¹, E. L. Kincaide¹, M. Fei², A. M. Bell², M. Y. Arar³, D. Ranch³, ¹Pharmacotherapy Education and Research Center, UT Health San Antonio, San Antonio, TX, ²CareDx, Inc., Brisbane, CA, ³Long School of Medicine, UT Health San Antonio, San Antonio, TX

Program Topic: Basic

Immunoregulation and Tolerance

5:30 PM - 7:00 PM

Moderators:

Suzanne Ildstad, MD, Talaris Therapeutics, Inc., University of Louisville, Louisville, KY, USA
Tatsuo Kawai, MD, Massachusetts General Hospital, Boston, MA, USA

6:20 PM - 6:30 PM

Gm2a: A Novel Regulatory Pathway Controlling CD8⁺ T Cell Alloimmunity

K. M. Baecher¹, J. Bazzano¹, K. Tong¹, M. Fribourg², P. Cravedi², P. S. Heeger², M. L. Ford¹, ¹Department of Surgery, Emory University, Atlanta, GA, ²Mount Sinai School of Medicine, New York, NY

5:30 PM - 5:40 PM

Neuropilin-2 is a Novel Checkpoint Inhibitor That is Required for Long-Term Allograft Survival

J. Wedel, S. Kong, K. Liu, N. Kochupurakkal, D. Bala, D. Bielenberg, H. Nakayama, D. M. Briscoe, *Boston Children's Hospital, Boston, MA*

6:30 PM - 6:40 PM

Deep Phenotyping Methods Highlight Recipient-Derived CD16⁺ NK and CD16⁺ Monocyte Infiltration During Kidney Transplant Rejection

B. Lamarthée¹, J. Callemeyn¹, P. Koshy², T. Debyser³, E. Van Loon¹, A. Franken⁴, T. Van Brussel⁴, I. Arijis⁴, D. Lambrechts⁴, A. Senev¹, T. Vaulet⁵, C. Tinel¹, M. Naesens¹, ¹Microbiology, Immunology and Transplantation, KU Leuven, Leuven, Belgium, ²Department of Morphology and Molecular Pathology, University Hospitals Leuven, Leuven, Belgium, ³Faculty of Medicine, KU Leuven, Leuven, Belgium, ⁴Laboratory for Translational Genetics, Department of Human Genetics,

5:40 PM - 5:50 PM

Chimeric Antigen Receptor Regulatory T Cells (CAR-Tregs) Provide Significantly Greater Modulation of Alloimmune Responses Than Alternative Alloantigen-Specific Treg Strategies

A. S. Kurt¹, P. Ruiz¹, E. Kodela¹, G. Lombardi¹, M. Martinez-Llordella², A. Sanchez-Fueyo¹, ¹King's College London, London, United Kingdom, ²Quell Therapeutics, London, United Kingdom

5:50 PM - 6:00 PM

T Cell Overexpression of PD-1 Increases Treg Suppressive Function via an ICOS-Dependent Mechanism

T. J. Borges¹, N. Murakami², I. T. Lape¹, R. B. Gassen¹, K. Liu¹, L. V. Riella¹, ¹Surgery, Center for Transplantation Sciences, Massachusetts General Hospital, Boston, MA,



²Transplantation Research Center, Brigham and Women's Hospital, Boston, MA

6:00 PM - 6:10 PM

Intrinsic DEPTOR Activity Modulates Treg Subset Differentiation

J. Wedel¹, M. Maslyar¹, B. Alsairafi¹, S. Kong², D. M. Briscoe¹, ¹Transplant Research Program, Boston Children's Hospital, Harvard Medical School, Boston, MA, ²Computational Health Informatics Program, Boston Children's Hospital, Harvard Medical School, Boston, MA

6:10 PM - 6:20 PM

Engineered IL-2 Plus Calcineurin Inhibitor Synergistically Expands Regulatory T Cells Transduced with Engineered IL-2 Receptor and Facilitates Establishment of Transplantation Tolerance

T. Hirai¹, P. Lin², T. L Ramos², K. Garcia³, R. S Negrin², ¹Urology, Tokyo Women's Medical University, Tokyo, Japan, ²Blood and Marrow Transplantation, Stanford University, Stanford, CA, ³Molecular and Cellular Physiology and Structural Biology, Stanford University, Stanford, CA

6:20 PM - 6:30 PM

Novel Role of CD74 in Regulatory T Cell Homeostasis and Function in Allo-Immune Response

Z. Solhjou¹, H. Zhang¹, N. Younis¹, J. Choi¹, C. Deban¹, A. Saad¹, A. Halawi¹, Z. Jing¹, R. Bucala², J. Azzi¹, ¹Brigham and Women's Hospital, Boston, MA, ²Yale University School of Medicine, New Haven, CT

6:30 PM - 6:40 PM

Delivery of Extracellular Matrix Targeted Regulatory T Cells by Novel Nanofiber Coatings for Transplantation Therapies

L. Gallon¹, J. K. Carrow², J. He¹, Y. Sambandam¹, X. Lai¹, J. Mathew¹, L. C. Palmer², J. R. Leventhal¹, Z. Zhang¹, S. I. Stupp², ¹Surgery - Transplant, Northwestern University, Chicago, IL, ²Simpson Querrey Institute, Northwestern University, Chicago, IL

6:40 PM - 6:50 PM

Treg Tissue Stability Depends on Adenosine Receptor Driven Lymphatic Endothelial Cell Responses

V. Saxena¹, W. Piao¹, L. Li¹, M. W. Shirkey¹, R. Lakhan¹, S. Walden², K. L. Hippen², B. R. Blazar², J. S. Bromberg¹, ¹University of Maryland School of Medicine, Baltimore, MD, ²University of Minnesota, Minneapolis, MN

6:50 PM - 7:00 PM

Brief Human IL-2 Mutein Therapy Induces Foxp3+ T-Regulatory Cell Expansion and Donor-Specific Allograft Tolerance

L. Wang¹, G. J. Babcock², W. W. Hancock³, ¹Pathology and Lab Medicine, Childrens Hospital of Philadelphia, Philadelphia, PA, ²Visterra, Inc., Waltham, MA, ³Pathology and Lab Medicine, University of Pennsylvania, Philadelphia, PA

AST Town Hall

5:30 PM - 8:00 PM

AST Town Hall

Poster Session C

7:00 PM - 8:00 PM

Program Topic: All Topics

Poster Session C Presenters in Attendance

- **Basic Science / Immunology:** B-cell / Antibody / Autoimmunity
- **Basic Science / Immunology:** Innate Immunity; Chemokines, Cytokines, Complement
- **Basic Science / Immunology:** Treg / Other Regulatory Cell/Tolerance
- **Basic Science / Immunology:** Immunosuppression & Tolerance: Preclinical & Translational Studies
- **Basic Science / Immunology:** Biomarkers: - omics and Systems Biology
- **Basic Science / Immunology:** Immunometabolism
- **Public Policy & Regulatory:** Non-Organ Specific: Public Policy & Allocation
- **ID:** All Infections (Excluding Kidney & Viral Hepatitis) III
- **ID:** Kidney: Polyoma
- **Kidney:** Psychosocial
- **Kidney:** Immunosuppression: Induction Therapy
- **Kidney:** Technical
- **Kidney:** Chronic Antibody Mediated Rejection
- **Kidney:** Recurrent Kidney Disease & Genetics

- **Liver:** Cirrhosis - Portal Hypertension and Other Complications
- **Liver:** Surgery Innovative Techniques
- **Liver:** Pediatrics
- **Lung:** Transplantation
- **Organ Inclusive:** Non-PTLD / Malignancies
- **Organ Inclusive:** Surgical Issues (Open, Minimally Invasive): All Organs

Poster Chats Session 3

7:00 PM - 8:00 PM

Program Topic: Kidney

Kidney 2

7:00 PM - 8:00 PM

Moderators:

Lisa McElroy, MD, Duke University, Durham, NC, USA

Caroline Lemoine, MD, Lurie Children's Hospital/Northwestern University, Chicago, IL, USA

7:00 PM - 7:10 PM

Bisphosphonates for Fracture Prevention in Kidney Transplant Recipients

J. Kahwaji¹, S. Yang², J. Sim³, ¹*Nephrology/Transplant, Kaiser Los Angeles Medical Center, Los Angeles, CA*, ²*Research and Evaluation, Kaiser-Permanente, Pasadena, CA*, ³*Nephrology, Kaiser Los Angeles Medical Center, Los Angeles, CA*

7:10 PM - 7:20 PM

Sars-cov-2 Antibody and T Cell Response After Vaccination with or without Intensified Immunosuppression Among Pediatric Renal Transplant Recipients

H. Pizzo¹, B. Shin², P. R. Soni³, S. Nadipuram³, J. Garrison², R. Zhang², S. C. Jordan², D. Puliya¹, ¹*Pediatric Nephrology, Cedars-Sinai Medical Center, Los Angeles, CA*, ²*Comprehensive Transplant Center, Cedars-Sinai Medical Center, Los Angeles, CA*, ³*Pediatric Infectious Disease, Cedars-Sinai Medical Center, Los Angeles, CA*

7:20 PM - 7:30 PM

Stem Cell Donor-Derived CPRA Better Reflects Sensitization Than Current CPRA

K. Lindblad¹, C. Murphey², P. Lalli³, J. Lunn⁴, L. Gragert⁵, ¹*UNOS, Richmond, VA*, ²*Southwest Immunodiagnostics, Inc., San Antonio, TX*, ³*Carolinas Medical Center, Charlotte, NC*, ⁴*LifeLink Foundation Transplant Immunology Lab, Tampa, FL*, ⁵*Tulane University School of Medicine, New Orleans, LA*

7:30 PM - 7:40 PM

Improving Efficiency in Kidney Distribution: A Comparison of UNet Deceased Donor Criteria to Actual Kidney Acceptance Practices

L. B. Zeiser, J. Ruck, D. Segev, A. Massie, *Johns Hopkins University, Baltimore, MD*

7:40 PM - 7:50 PM

Early Outcomes Since Implementation of New Kidney Allocation System

K. Shah, F. Siddiqui, P. N. Chotai, A. Logan, A. Schenk, K. Washburn, A. Limkemann, *Comprehensive Transplant Center, The Ohio State University Wexner Medical Center, Columbus, OH*

Program Topic: Organ Inclusive

Organ Inclusive

7:00 PM - 8:00 PM

Moderators:

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

Debra Sudan, MD, Duke University Medical Center, Durham, NC, USA

7:00 PM - 7:10 PM

Association Between CT Measurements of Body Composition Before Kidney Transplantation and Post-Transplantation Outcomes

Y. Liu, O. Shafaat, X. Chen, C. Weiss, D. Segev, M. McAdams-DeMarco, *Johns Hopkins University, Baltimore, MD*

7:10 PM - 7:20 PM

Liver and Kidney Transplantation from Donation After Circulatory Death Heart Donors in the US: Better Early Outcomes with Normothermic Regional Perfusion versus Cold Flush

M. Rosenzweig¹, R. Ruiz², E. Martinez¹, A. Gupta¹, H. Fernandez¹, S. Lee¹, N. Onaca¹, J. Bayer¹, G. J.



McKenna¹, T. Ma¹, G. Testa³, A. Wall¹, ¹Baylor University Medical Center, Dallas, TX, ²Baylor University Medical Center, Fort Worth, TX, ³Baylor Dallas, Dallas, TX

7:20 PM - 7:30 PM

Manufactured Organ Procurement Facility Collaboration and Authorization Approach for Xenotransplant Research
E. P. Weldon, N. S. Lawson, B. E. Sullivan, B. S. Parent, C. L. Deterville, R. A. Dieter, R. A. Montgomery, NYU Langone Health-Transplant Institute, New York, NY

Sponsor Networking

7:00 PM - 8:00 PM

Program Topic: All Topics

Join your fellow colleagues in Exhibit Hall C & D, Level 2 for networking with sponsors. Beverages and light snacks will be served.

Tuesday, June 7, 2022

IMPACT Sessions

7:00 AM - 8:00 AM

Program Topic: Kidney

Kidney Paired Donation First and Foremost: Decoupling All Donor and Recipient Pairs Should Become Standard of Care

7:00 AM - 8:00 AM

Moderators:

Mark Lerman, MD, Dallas Nephrology Assoc, Dallas, TX, USA

Asif Sharfuddin, MD, Indiana University, Indianapolis, IN, USA

7:00 AM - 7:10 AM

How Did We Get Here? The Road to Decoupling Pairs

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

7:10 AM - 7:20 AM

Pro – The Opportunities are Limitless and the Benefits Unrealized

Robert Montgomery, MD, FACS, DPhil, NYU Langone Transplant Institute, New York, NY, USA

7:20 AM - 7:30 AM

Con – No Need to Fix Something That's Not Broken

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

7:30 AM - 7:35 AM

Rebuttal: Pro

7:35 AM - 7:40 AM

Rebuttal: Con

7:40 AM - 8:00 AM

Live Q&A

Program Topic: Kidney

A2 to B: Antibodies, Testing, and Best Practices

7:00 AM - 8:00 AM

Moderators:

Nadiesda Costa, MD, Medstar Georgetown Transplant Institute/ Georgetown University, Washington, DC, USA

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

7:00 AM - 7:10 AM

Advances in ABO Typing, Testing, and Titer

Lori West, OC, MD, DPhil, FRSC, FCAHS, FRCPC, University of Alberta, Edmonton, AB, Canada

7:10 AM - 7:20 AM

Outcomes

Bonnie Lonze, MD, PhD, NYU Langone Transplant Institute, New York, NY, USA

7:20 AM - 7:30 AM

Equity and Access

Winfred Williams, MD, Massachusetts General Hospital, Boston, MA, USA

7:30 AM - 8:00 AM

Live Q&A

Program Topic: Liver

Personalized Management of Cardiovascular Disease in Liver Transplant Recipients

7:00 AM - 8:00 AM

Moderators:

Lisa VanWagner, MD, MSc, FAST, FAHA, Northwestern Medicine, Chicago, IL, USA

Shelley Hall, MD, Baylor Dallas, Dallas, TX, USA

7:00 AM - 7:10 AM

Coronary Artery Disease after Liver Transplant: Risk Mitigation Recipes

Matthew Harinstein, MD, University of Pittsburgh School of Medicine, Pittsburgh, PA, USA

7:10 AM - 7:20 AM

Post-Transplant Heart Failure: Does Cirrhotic Cardiomyopathy Matter?

Manhal Izzy, MD, Vanderbilt University Medical Center, Nashville, TN, USA

7:20 AM - 7:30 AM

Arrhythmias and Valvular Diseases: Who is at Risk?

Brett Fortune, MD MSc, Weill Cornell Medicine, New York, NY, USA

7:30 AM - 8:00 AM

Live Q&A

Program Topic: VCA

Candidates and Recipients of VCA Procedures: An Update from Ongoing Studies

7:00 AM - 8:00 AM

Moderators:

Laura Siminoff, PhD, Temple University, Philadelphia, PA, USA

Sheila Jowsey-Gregoire, MD, Mayo Clinic, Rochester, MN, USA

7:00 AM - 7:10 AM

Development of a Shared Decision Making Tool to Assist in VCA Patient Selection

Ian Hargraves, PhD, Mayo Clinic, Rochester, MN, USA

7:10 AM - 7:20 AM

A Qualitative Study of the Experiences of Combat Veterans who may be Candidates for a VCA Procedure

Heather Gardiner, Ph.D., MPH, Temple University, Philadelphia, PA, USA

7:20 AM - 7:30 AM

Psychosocial Factors in the Decision Making and Informed Consent Process for Upper Extremity VCA

Macey Levan, JD, PhD, NYU Grossman School of Medicine, New York, NY, USA

7:30 AM - 7:40 AM

Development of Patient Reported Outcome Measures for Upper Extremity Trauma Patients

David Tulsy, Ph.D, University of Delaware, Newark, DE, USA

7:40 AM - 8:00 AM

Live Q&A

Program Topic: Pediatric

Pediatric Solid Organ Transplantation: Unique Surgical Considerations

7:00 AM - 8:00 AM

Moderators:

Carlos Esquivel, MD, PhD, Stanford University School of Medicine, Stanford, CA, USA

Jorge Reyes, Professor of Surgery, University of Washington, Seattle, WA, USA

7:00 AM - 7:10 AM

An Update on Pediatric Intestinal Transplantation - What's Next

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

7:10 AM - 7:20 AM

The Ideal Liver Allograft for Pediatric Liver Transplantation - Whole vs. Deceased Split vs. Living

Yuri Genyk, Children's Hospital Los Angeles, Los Angeles, CA, USA

7:20 AM - 7:30 AM

Limited Domain - Technical Challenges of Pediatric Kidney Transplantation in Small Infants

Kambiz Etesami, MD, Children's Hospital Los Angeles, Los Angeles, CA, USA

7:30 AM - 7:40 AM

Current Recommendations for Vaccination in the Pediatric Transplant Population

Marian Michaels, MD MPH, UPMC Children's Hospital of Pittsburgh, Pittsburgh, PA, USA

7:40 AM - 7:50 AM

Indications and Outcomes for Lung Transplantation

Don Hayes, MD, MS, MEd, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA

7:50 AM - 8:00 AM

Live Q&A

Program Topic: Basic Science / Immunology

The Microbiome in Immunomodulation and Transplantation

7:00 AM - 8:00 AM

Moderators:

Jonathan Bromberg, MD, PhD, University of Maryland School of Medicine, Baltimore, MD, USA

John Lee, MD, Weill Cornell Medicine, New York, NY, USA

7:00 AM - 7:10 AM

Developing Microbiome Modulating Therapeutics for Allergic and inflammatory Disease

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

7:10 AM - 7:20 AM

Inducing Antigen-Specific T Cells With Engineered Commensals

To Be Determined

7:20 AM - 7:30 AM

A Metabolomics Pipeline for the Mechanistic Interrogation of the Gut Microbiome

Bing Ma, PhD, University of Maryland Institute for Genome Sciences, Baltimore, MD, USA

7:30 PM - 8:00 PM

Live Q&A

Program Topic: HLA

Should Transplant Programs Routinely Test for Non-HLA Antibodies?

7:00 AM - 8:00 AM

Moderators:

Michelle Hickey, PhD D(ABHI), University of California Los Angeles Immunogenetics Center, Los Angeles, CA, USA

Serena Bagnasco, MD, Professor of Pathology Johns Hopkins School of Medicine, Baltimore, MD, USA

7:00 AM - 7:10 AM

Setting the Stage: Why Test for Non HLA Antibodies?

Annette Jackson, PhD, Duke University, Durham, NC, USA

7:10 AM - 7:20 AM

Pro: Testing for Non HLA Antibody Should be Routine for Transplant Programs

Adriana Zeevi, PhD, University of Pittsburgh Medical Center, Pittsburgh, PA, USA

7:20 AM - 7:30 AM

Con: Testing for Non HLA Antibodies Should Not be Performed Routinely

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

7:30 AM - 7:35 AM

Rebuttal: Pro

7:35 AM - 7:40 AM

Rebuttal: Con

7:40 AM - 8:00 AM

Live Q&A

Program Topic: ID

The Donor Had What???

7:00 AM - 8:00 AM

Moderators:

Daniel Kaul, MD, University of Michigan, Ann Arbor, MI, USA

Stephanie Pouch, MD, MS, FAST, Emory University School of Medicine, Atlanta, GA, USA

7:30 AM - 8:00 AM
 Live Q&A

7:00 AM - 7:10 AM

Case Presentation: Donor With Suspected Infection (ex: COVID, MDRO)

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

7:10 AM - 7:20 AM

Reasons to Accept Donors With Suspected Infection

Cameron Wolfe, MBBS, MPH, Duke University Medical Center, Durham, NC, USA

7:20 AM - 7:30 AM

Reasons NOT to take Donors with Suspected Infections

Fernanda Silveira, MD, University of Pittsburgh Medical Center, Pittsburgh, PA, USA

7:30 AM - 8:00 AM

Live Q&A

Program Topic: Other

From Cause to Care Plan: Assessment and Management of Post-Transplant Delirium

7:00 AM - 8:00 AM

Moderators:

Kristin Kuntz, Ph.D., Ohio State University Medical Center, Columbus, OH, USA

James Fleming, PharmD, MUSC, Charleston, SC, USA

7:00 AM - 7:10 AM

Delirium After Transplant: Incidence and Importance of Assessment & Treatment

Heather Bruschwein, PsyD, University of Virginia, Charlottesville, VA, USA

7:10 AM - 7:20 AM

Why is My Patient Acting Like That?: Risk Factors and Causes of Delirium

Phillip Bryce Jones, MD, Duke, Durham, NC, USA

7:20 AM - 7:30 AM

Management of Post-transplant Delirium

Paula Zimbrea, MD, FACLP, FAPA, Yale University, New Haven, CT, USA

Program Topic: Small Bowel

New Frontiers in Intestine Transplant

7:00 AM - 8:00 AM

Moderators:

Alisha Mavis, MD, Duke, Durham, NC, USA

Syed-Mohammed Jafri, MD, Henry Ford Health System, Detroit, MI, USA

7:00 AM - 7:10 AM

Immunologic Breakthroughs in Intestinal Transplant and Intestinal Management. Tissue Engineering and Scaffolding Techniques

Joshua Weiner, MD, Columbia University Irving Medical Center, New York, NY, USA

7:10 AM - 7:20 AM

Intestinal Stem Cell Regeneration

Debra Sudan, MD, Duke University Medical Center, Durham, NC, USA

7:20 AM - 7:30 AM

Growth Factors on the Horizon for Management of Pre and Post Transplant Intestinal Disease

Nimisha Sulejmani, PharmD, CareDx, Sterling Heights, MI, USA

7:30 AM - 8:00 AM

Live Q&A

Program Topic: Women's Health

Solving the Sex-based Disparity in Access to Liver Transplant: Pragmatic Nudge vs. Comprehensive Overhaul

7:00 AM - 8:00 AM

Moderators:

Helen Te, MD, University of Chicago Medical Center, Chicago, IL, USA

Elizabeth Pomfret, MD, PhD, University of Colorado, Aurora, CO, USA



7:00 AM - 7:10 AM

Sex-Based Disparities in Liver Transplantation: Historical Perspective and Current State

Julie Heimbach, MD, Mayo Clinic, Rochester, MN, USA

7:10 AM - 7:20 AM

Debate: Incremental Changes in MELDNa: Fixing Creatinine or MELD 3.0 is the Answer

Amy Evenson, MD, Beth Israel Deaconess Medical Center, Brookline, MA, USA

7:20 AM - 7:30 AM

Debate: Fixing MELDNa is Not Enough: Time for a Comprehensive Approach

Thomas Schiano, MD, Mount Sinai, New York, NY, USA

7:30 AM - 7:35 AM

Rebuttal - Incremental Changes in MELDNa: Fixing Creatinine or MELD 3.0 is the Answer

7:35 AM - 7:40 AM

Rebuttal - Fixing MELDNa is Not Enough: Time for a Comprehensive Approach

7:40 AM - 8:00 AM

Live Q&A

Program Topic: Advanced Practice Provider

Unique Case Studies Presented by Advanced Practice Providers

7:00 AM - 8:00 AM

Moderators:

Katherine Brodahl, PA-C, MPAS, Nebraska Medicine, Omaha, NE, USA

Mackenzie Burke, PA-C, Penn Transplant Institute, Philadelphia, PA, USA

7:00 AM - 7:10 AM

Non Uremic Calciphylaxis Post-Liver Transplant: A Case Study

Carrie Chamberlain Penny, ACNP-BC, Johns Hopkins University, Baltimore, MD, USA

7:10 AM - 7:20 AM

A Case Study of Rhinocerebral Mucormycosis After Liver Transplant

Lauren Lux, MBA-HCA, PA-C, Cleveland Clinic, Cleveland, OH, USA

7:20 AM - 7:30 AM

Successful Long-term Outcome of Retransplantation for Donor-derived Lung Cancer in a Liver Transplant Recipient

Heather O'Dell, MSN, ANP-BC, MMHC, Vanderbilt University Medical Center, Nashville, TN, USA

7:30 AM - 8:00 AM

Live Q&A

Break

8:00 AM - 8:25 AM

Plenary Oral Abstract Session

8:25 AM - 9:30 AM

Program Topic: All Topics

Plenary Oral Abstract Session 3

8:25 AM - 9:30 AM

Moderators:

William Chapman, MD, Washington University School of Medicine, St. Louis, St. Louis, MO, USA

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

8:30 AM - 8:45 AM

Posoleucel as Preemptive Therapy for BKV Infection in Kidney Transplant Recipients: Safety and Tolerability in a Phase 2 Trial

R. K. Wali¹, M. Singh², D. Wojciechowski³, M. J. Ansari⁴, B. Lonze⁵, V. Nair⁶, A. Sharma⁷, S. Knechtle⁸, F. Cardarelli⁹, A. Chandraker¹⁰, ¹Inova Transplant Center, Falls Church, VA, ²U. of Pittsburg Medical Center, Harrisburg, PA, ³UT Southwestern Medical Center, Dallas, TX, ⁴Northwestern U. Feinberg School of Medicine, Chicago, IL, ⁵NYU Langone Transplant Institute, New York, NY, ⁶Northwell Health, Manhasset, NY, ⁷U. of Pittsburgh Medical Center, Pittsburgh, PA, ⁸Duke U. School of Medicine, Durham, NC, ⁹AlloVir, Cambridge, MA, ¹⁰Brigham & Women's Hospital, Boston, MA

8:45 AM - 9:00 AM

CD31+ Extracellular Vesicles in Ex Vivo Lung Perfusion Are Associated with Unsuitability for Transplant

G. C. Madu¹, S. Moshkelgosha², A. Chruscinski³, A. Sage², M. Cypel², S. Keshavjee², S. Juvet², ¹Temerty Faculty of Medicine, University of Toronto, Toronto, ON, Canada, ²University Health Network, Toronto, ON, Canada, ³Multi-Organ Transplantation, University Health Network, Toronto, ON, Canada

9:00 AM - 9:15 AM

Normothermic Machine Perfusion of the Liver Supports Protein Translation and Mitochondrial Function While Reducing Protein Degradation and Metabolic Imbalance: A Proteomics Study

L. Lo Faro¹, A. Thorne², H. Huang³, P. Charles³, M. Kaisar¹, S. Davis³, F. Dengu¹, S. Shaheed¹, J. Mulvey¹, R. Fischer³, D. Nasralla⁴, B. Kessler³, H. Leuvenink², P. Friend¹, R. Ploeg¹, ¹Nuffield Department of Surgical Sciences, University of Oxford, Oxford, United Kingdom, ²University Medical Center Groningen, Groningen, Netherlands, ³Nuffield Department of Medicine, University of Oxford, Oxford, United Kingdom, ⁴Royal Free London NHS Foundation Trust, London, United Kingdom

9:15 AM - 9:30 AM

Liver Outcomes and Equity (LOEq) Index: Neighborhood-Level Social Determinants of Health and Waitlist Disparities for Adult Liver Transplantation

K. Zhou, L. S. Kuo, L. K. Thompson, J. L. Dodge, M. G. Cockburn, N. Terrault, University of Southern California, Los Angeles, CA

Sponsor Networking

9:30 AM - 10:00 AM

Program Topic: All Topics

Join your fellow colleagues in Exhibit Hall C & D, Level 2 for networking with sponsors. Beverages will be served.

Product Theater

9:30 AM - 10:00 AM

Program Topic: All Topics

Sponsored by CareDx

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This is open to all registered ATC attendees and there is no separate registration fee to attend.

IMPACT Sessions

10:00 AM - 11:00 AM

Program Topic: Kidney

APOL 1 Risk Variant Assessment in Living Kidney Donor Evaluation

10:00 AM - 11:00 AM

Moderators:

Krista Lentine, MD, PhD, Saint Louis University Hospital, St. Louis, MO, USA

Roslyn Mannon, MD, UNMC, Omaha, NE, USA

10:00 AM - 10:10 AM

APOL1 Genotyping in Living Donor Evaluation: Benefits and Appropriateness of Testing

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

10:10 AM - 10:20 AM

APOL1 Genotyping in Living Donor Evaluation: Providing a Perspective on Risk and Unintended Consequences

Jayne Locke, MD, MPH, FACS, FAST, University of Alabama at Birmingham Heersink School of Medicine, Birmingham, AL, USA

10:20 AM - 10:30 AM

Training the Practitioner in Counseling Living Donor Candidates about APOL1 Testing and Donation

Elisa Gordon, PhD, MPH, Northwestern University Feinberg School of Medicine, Chicago, IL, USA

10:30 AM - 11:00 AM
 Live Q&A

Program Topic: Kidney

Small Steps That Can Made A Big Impact: Decreasing The Burden Of Chronic Antibody Mediated Rejection With The Tools We Have

10:00 AM - 11:00 AM

Moderators:

Marta Crespo, M.D., PhD., Hospital del Mar, Barcelona, Spain

Ruth Sapir-Pichhadze, MD, MSc, PhD, FRCPC, McGill University, Montreal, QC, Canada

10:00 AM - 10:10 AM

An Approach to Managing Chronic Antibody Mediated Rejection Integrating Expert Opinion and Novel Therapeutics.

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

10:10 AM - 10:20 AM

Use of HLA Molecular Testing to Optimize HLA Matching and Prevent Antibody Pre and Post-Transplant

Anat Tambur, PhD, DMD, Northwestern University, Chicago, IL, USA

10:20 AM - 10:30 AM

Approaches to Immunosuppression Management to Maximize Adherence and Avoid Antibody Mediated Rejection

Chris Wiebe, MD, University of Manitoba, Winnipeg, MB, Canada

10:30 AM - 11:00 AM

Live Q&A

Program Topic: Liver

Can We Break the Barriers in Access and Utilization of LDLT in Special Populations?

10:00 AM - 11:00 AM

Moderators:

Juliet Emamaullee, MD PhD, University of Southern California, Los Angeles, CA, USA

Elizabeth Verna, MD, MS, Columbia University, New York, NY, USA

10:00 AM - 10:10 AM

Expansion of LDLT for Pediatric Recipients

Adam Griesemer, MD, Columbia University, New York, NY, USA

10:10 AM - 10:20 AM

Role of Social Detriments in Access to LDLT

Alyson Fox, MD MSCE, Columbia University, New York, NY, USA

10:20 AM - 10:30 AM

Paired Donation LDLT

Benjamin Samstein, MD, Weill Cornell Medicine, New York, NY, USA

10:30 AM - 11:00 AM

Live Q&A

Program Topic: Heart

Are Destination LVAD the Only Type of VAD Left? Debate in Light of Recent Update to CMS Coverage Policy and UNOS Reclassification

10:00 AM - 11:00 AM

Moderators:

Howard Eisen, MD, Penn State/Hershey Medical Center, Hershey, PA, USA

Aasim Afzal, MD, MBA, FACC, FHFSA, Baylor Scott And White Heart Hospital, Dallas, TX, USA

10:00 AM - 10:10 AM

Setting the Stage: The Aftermath of Change in UNOS Listing Criteria. How the Changes Have Affected Transplantation from Durable MCS

Rebecca Cogswell, MD, University of Minnesota, Minneapolis, MN, USA

10:10 AM - 10:20 AM

Pro: LVAD will be Only a Destination Therapy Going Forward and We are Committing Patients to LVAD for Life

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

10:20 AM - 10:30 AM

Con: All Hope is Not Lost - LVAD can Still be a Bridge to Transplantation

Donna Mancini, MD, Mount Sinai, New York, NY, USA

10:30 AM - 10:35 AM

Rebuttal: Pro

10:35 AM - 10:40 AM

Rebuttal: Con

10:40 AM - 11:00 AM

Live Q&A

Program Topic: Pediatric

Sickle Cell Disease, End Organ Damage, and Transplantation

10:00 AM - 11:00 AM

Moderators:

Jody Olson, MD, University of Kansas Medical Center, Kansas City, KS, USA

Ryan Fischer, MD, Children's Mercy Hospital, Kansas City, MO, USA

10:00 AM - 10:10 AM

Sickle Cell Disease and End Organ Damage in Children and Adults

Trevor Reichman, MD, PhD, FACS, University of Toronto/The University Health Network, Toronto, ON, Canada

10:10 AM - 10:20 AM

Outcomes of Liver and Kidney Transplantation in Sickle Cell Disease

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

10:20 AM - 10:30 AM

Dual Hematopoietic Stem-Cell Transplant and Solid Organ Transplant for Sickle-Cell Disease

Shalini Shenoy, MD, Washington University, Olivette, MO, USA

10:30 AM - 11:00 AM

Live Q&A

Program Topic: Basic Science / Immunology

Bioengineering Better Transplant Outcomes

10:00 AM - 11:00 AM

Moderators:

Anita Chong, PhD, University of Chicago, Chicago, IL, USA

Xunrong Luo, MD, PhD, Duke University School of Medicine, Durham, NC, USA

10:00 AM - 10:10 AM

Nanofibrous Encapsulation Device for Safe Delivery of Insulin-Producing Cells to Treat Type 1 Diabetes - STM
Minglin Ma, PhD, Cornell University, Ithaca, NY, USA

10:10 AM - 10:20 AM

Reprogramming Cytokines for Targeted Immunotherapy
Jamie Spangler, PhD, Johns Hopkins, Baltimore, MD, USA

10:20 AM - 10:30 AM

Biomaterials to Modulate the Immune Response

Andres Garcia, PhD, Georgia Institute of Technology, Atlanta, GA, USA

10:30 AM - 11:00 AM

Live Q&A

Program Topic: Translational

Costimulation Blockade

10:00 AM - 11:00 AM

Moderators:

Allan Kirk, MD, PhD, Duke University, Durham, NC, USA

Stuart Knechtle, MD, Duke University, Durham, NC, USA

10:00 AM - 10:10 AM

Different Sides of the Street: Variable Effects From Targeting the Receptor of Ligand: CD28 vs B7, CD40 vs CD154, alt Ligands, Expression Differences, etc.

Mandy Ford, PhD, Emory University, Atlanta, GA, USA

10:10 AM - 10:20 AM

Novel Targetable Pathways in Costimulation Blockade



Richard Pierson III, MD, Massachusetts General Hospital and Harvard Medical School, Boston, MA, USA

10:20 AM - 10:30 AM

The Pipeline: Current Trials of Inhibitors of CD40/CD154

Flavio Vincenti, MD, University of California San Francisco, San Francisco, CA, USA

10:30 AM - 10:40 AM

Lessons from the Belatacept Experience

Christian Larsen, MD, PhD, Emory University, Atlanta, GA, USA

10:40 AM - 11:00 AM

Live Q&A

Program Topic: ID

Stump the Stars

10:00 AM - 11:00 AM

Moderators:

Shirish Huprikar, MD, The Mount Sinai Hospital, New York, NY, USA

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

10:00 AM - 10:10 AM

Case Presentation

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

10:10 AM - 10:20 AM

Case Presentation

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

10:20 AM - 10:30 AM

Case Presentation

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

10:30 AM - 11:00 AM

Live Q&A

Program Topic: Pharmacy

Immuno Bill: Past, Present and Future Directions

10:00 AM - 11:00 AM

Moderators:

Jennifer McDermott, PharmD, BCTXP, BCPS, Spectrum Health, Grand Rapids, MI, USA

Elizabeth Cohen, PharmD, Yale New Haven Hospital, New Haven, CT, USA

10:00 AM - 10:10 AM

History of the Immuno Bill: How it Happened

Lisa Potter, PharmD, BCPS, BCTXP, FCCP, FAST, University of Chicago Medicine, Chicago, IL, USA

10:10 AM - 10:20 AM

Gaps in the Immuno Bill: What's Still Missing

Nancy Edgington, LCSW, Yale New Haven Hospital, New Haven, CT, USA

10:20 AM - 10:30 AM

Future Transplant Policy Considerations: Where Do We Go From Here

Joelle Nelson, Pharm.D, University Health System, San Antonio, TX, USA

10:30 AM - 11:00 AM

Live Q&A

Program Topic: Lung & Liver

Bridge to Transplant 2022, The Lung Transplant Candidate on Acute Life Support

10:00 AM - 11:00 AM

Moderators:

Jeffrey Edelman, MD, University of Washington, Seattle, WA, USA

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

10:00 AM - 10:10 AM

Ethical Tolls: Bridge Closed - No Access / Bridge Failed - Care De-Escalation

Andrew Courtwright, MD, PhD, University of Pennsylvania, Philadelphia, PA, USA

10:10 AM - 10:20 AM

Urgent Referral: Managing Patients, Logistics, and Expectations

Nirmal Sharma, MD, Brigham and Women's Hospital,



Boston, MA, USA

10:40 AM - 11:00 AM
Live Q&A

10:20 AM - 10:30 AM

Care of the Lung Transplant Candidate on Advanced Life Support

Lorenzo Zaffiri, MD, PhD, Duke University, Durham, NC, USA

Program Topic: Advanced Practice Provider

Groundbreaking Research Led by Advanced Transplant Providers

10:30 AM - 10:40 AM

Over the Bridge: Critically Ill Lung Transplant Candidates: Operative and Post-Operative Approach

Jasleen Kukreja, MD, UCSF, San Francisco, CA, USA

10:00 AM - 11:00 AM

Moderators:

Helen Wijeweera, ANP-BC, Washington University, Saint Louis, MO, USA

Hailey Kessler, Duke University Hospital, Durham, NC, USA

10:40 AM - 11:00 AM

Live Q&A

Program Topic: Psychosocial & Ethics

Ethical Dilemmas

10:00 AM - 10:10 AM

Conducting the First Successful Xenotransplant

Elaina Weldon, ACNP-BC, NYU Langone Transplant Institute, New York, NY, USA

10:00 AM - 11:00 AM

Moderators:

Anjana Pillai, MD, University of Chicago Medicine, Chicago, IL, USA

Shelley Hall, MD, Heart Place and Baylor, Dallas, TX, USA

10:10 AM - 10:20 AM

Liver Transplant Disposition: Floor or ICU? A Quality Improvement Update

Katherine Klingenberg, PA-C, MMS, University of Colorado, Aurora, CO, USA

10:00 AM - 10:10 AM

What's in a Number? Older Recipient Age and Organ Transplantation

Bhavadharini Ramu, MD, FACC, MUSC, Charleston, SC, USA

10:20 AM - 10:30 AM

Vascular Composite Allografts: The New Face of Transplant?

Karen Kerepesi, PA-C, MPAS, Cleveland Clinic, Avon, OH, USA

10:10 AM - 10:20 AM

Dual Listing: Case Presentation Raising Ethical Concerns

Ersilia DeFilippis, MD, Columbia University Irving Medical Center, New York, NY, USA

10:30 AM - 11:00 AM

Live Q&A

Break

11:00 AM - 11:15 AM

AJT Awards

11:15 AM - 11:45 AM

10:20 AM - 10:30 AM

Multi-Organ: One Too Many or Not Enough to Go Around

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

AJT Awards & Update

11:15 AM - 11:45 AM

AJT Awards

Sandy Feng, MD, PhD, University of California San Francisco, San Francisco, CA, USA

10:30 AM - 10:40 AM

Transplant Tourism: Cross-Border Crusade for Organs

Eileen Hsich, MD, Cleveland Clinic, Shaker Heights, OH, USA



State-of-the-Art Lecture #2
11:45 AM - 12:15 PM

Program Topic: Other

Thomas Starzl State-of-the-Art Lecture

11:45 AM - 12:15 PM
Creating the 1st Life-Saving Xenohart Transplanted into a Person
Martine Rothblatt, PhD, United Therapeutics Corp, Silver Spring, MD, USA

Break
12:15 PM - 12:45 PM

Satellite Symposia
12:45 PM - 1:45 PM

Program Topic: All Topics

Sponsored Satellite Symposia

Break
1:45 PM - 2:00 PM

IMPACT Sessions
2:00 PM - 3:00 PM

Program Topic: Kidney

Biomarkers in Glomerular Diseases: Exploring Utility in Understanding Recurrence Risk and Prognosis Post Transplant

2:00 PM - 3:00 PM
Moderators:
Hatem Amer, Mayo Clinic, Rochester, MN, USA
Ibrahim Batal, M.D., Columbia, New York, NY, USA

2:00 PM - 2:10 PM
The Role of PLA2r Testing in Membranous Nephropathy: Implication on Prevention and Treatment of Recurrence
Juliette Leon, Resident, Necker Enfants Malades

Hôpital, Paris, France

2:10 PM - 2:20 PM
DNAJB9 Staining in Fibrillary GN: Implication on Risk of Recurrence and Long-Term Prognosis
Mireille El Ters, MD, Mayo Clinic, Rochester, MN, USA

2:20 PM - 2:30 PM
The Role of Complement Testing (Genetic and Functional) in Evaluation of C3GN Recurrence Risk and Implication on Treatment
Anuja Java, MD, Washington University School of Medicine in St. Louis, St. Louis, MO, USA

2:30 PM - 3:00 PM
Live Q&A

Program Topic: Kidney

Long-Term Survival After Kidney Transplantation

2:00 PM - 3:00 PM
Moderators:
Michelle Josephson, MD, University of Chicago, Chicago, IL, USA
Gabriel Danovitch, MD, FRCP, University of California Los Angeles, Los Angeles, CA, USA

2:00 PM - 2:10 PM
Current Status of Long-term Survival After Kidney Transplantation
Ajay Israni, MD, MS, Hennepin Healthcare, University of Minnesota, Minneapolis, MN, USA

2:10 PM - 2:20 PM
Immunological Interventions that can Improve Long-Term Survival
Peter Nickerson, MD, FRCPC, University of Manitoba, Winnipeg, MB, Canada

2:20 PM - 2:30 PM
Social Determinants Impacting Long-Term Kidney Transplant Survival
Allyson Hart, MD, MS, Hennepin Healthcare, University of Minnesota, Minneapolis, MN, USA

2:30 PM - 3:00 PM
Live Q&A

Program Topic: Liver

To Kidney or Not to Kidney: Lesson Learned

2:00 PM - 3:00 PM

Moderators:

Elizabeth Verna, MD, MS, Columbia University, New York, NY, USA

Scott Biggins, MD, MAS, FAST, University of Washington, Seattle, WA, USA

2:00 PM - 2:10 PM

Patient Selection for SLKT vs. Kidney After LT: Pre and Post Policy - Medical

Pratima Sharma, MD, MS, University of Michigan Health System, Ann Arbor, MI, USA

2:10 PM - 2:20 PM

Decision Making of SLKT vs. Kidney after LT: Transplant Nephrology Perspective

Hani Wadei, MD, Mayo Clinic, Jacksonville, FL, USA

2:20 PM - 2:30 PM

Surgical Considerations (Timing and Management): Transplant Surgeon Perspective

Shekhar Kubal, MD, PhD, Indiana University School of Medicine, IN, USA

2:30 PM - 3:00 PM

Live Q&A

Program Topic: Other

Sharing the Sandbox: Combined Thoracic/Abdominal DCD Organ Procurements

2:00 PM - 3:00 PM

Moderators:

Jacob Schroder, MD, Duke, Durham, NC, USA

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

2:00 PM - 2:10 PM

Combined DCD Heart/Liver Procurement: The Thoracic Perspective

Mani Daneshmand, MD, Emory, Atlanta, GA, USA

2:10 PM - 2:20 PM

Combined DCD Heart/Liver Procurement: The Abdominal Perspective

Kristopher Croome, MD, Mayo Clinic Florida, Jacksonville, FL, USA

2:20 PM - 2:30 PM

Normothermic Regional Perfusion in the United States

Nader Moazami, MD, NYU Langone Health, New York, NY, USA

2:30 PM - 3:00 PM

Live Q&A

Program Topic: Small Bowel

Challenges in Allocation for Multivisceral Transplant

2:00 PM - 3:00 PM

Moderators:

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

Simon Horslen, MB, ChB, UPMC Children's Hospital of Pittsburgh, Pittsburgh, PA, USA

2:00 PM - 2:10 PM

Changes in Prioritization in the New Adult Multivisceral Allocation System

Shunji Nagai, MD, PhD, Henry Ford Hospital, Detroit, MI, USA

2:10 PM - 2:20 PM

Challenges in Access to Organs in Pediatric Intestine and Multivisceral Transplantation

Alisha Mavis, MD, Duke University, Durham, NC, USA

2:20 PM - 2:30 PM

Renal Transplant in Multivisceral Transplantation: Complexity and Allocation Hurdles

Rodrigo Vianna, MD, PhD, University of Miami/Jackson Memorial Hospital, Miami, FL, USA

2:30 PM - 3:00 PM

Live Q&A

Program Topic: Pancreas

Wait, Did You Say this is a Pancreas Donor? Time to Get Comfortable Doing More Pancreas Recoveries

2:00 PM - 3:00 PM

Moderators:

Matthew Cooper, MD, Medstar Georgetown Transplant Institute, Washington, DC, USA

Ronald Parsons, MD, Emory University School of Medicine, Atlanta, GA, USA

2:00 PM - 2:10 PM

Soup to Nuts: Why and How to Safely Recover a Pancreas for Transplantation Whether it's DBD, DCD, or Extended Criteria

Clark Kensinger, MD, Piedmont Hospital, Atlanta, GA, USA

2:10 PM - 2:20 PM

What's Working and What's Not: How to Manage Pancreas Recovery in the World of Concentric Circles?

Kenneth Woodside, MD, University of Michigan, Ann Arbor, MI, USA

2:20 PM - 2:30 PM

Getting Back in the Pancreas Transplant Business? How to Grow a Pancreas Program

Ty Dunn, MD, MS, University of Pennsylvania, Philadelphia, PA, USA

2:30 PM - 3:00 PM

Live Q&A

Program Topic: Basic Science / Immunology

Immunometabolism in Transplantation

2:00 PM - 3:00 PM

Moderators:

Wayne Hancock, MD, PhD, Children's Hospital of Philadelphia, Philadelphia, PA, USA

Eileen Chambers, MD, Duke University, Durham, NC, USA

2:00 PM - 2:10 PM

Immunometabolic Engineering of Alloreactive T Cells

Wayne Hancock, MD PhD, Children's Hospital of Philadelphia, Philadelphia, PA, USA

2:10 PM - 2:20 PM

Metabolic Changes in the Aging T Cell and Their Impact on Alloimmunity

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

2:20 PM - 2:30 PM

Metabolic Control of T Cell Proliferation

Joseph Baur, PhD, University of Pennsylvania, Philadelphia, PA, USA

2:30 PM - 3:00 PM

Live Q&A

Program Topic: Translational

CRISPR Technologies in Transplantation

2:00 PM - 3:00 PM

Moderators:

Evan Farkash, M.D., Ph.D., Michigan Medicine, Ann Arbor, MI, USA

Heidi Yeh, MD, Massachusetts General Hospital, Boston, MA, USA

2:00 PM - 2:10 PM

Advances in CRISPR Technology

Ellen Shrock, A.B., Harvard University, Boston, MA, USA

2:10 PM - 2:20 PM

CRISPR as a Diagnostic Tool in Transplantation

Leonardo Riella, MD, PhD, Harvard Medical School, Boston, MA, USA

2:20 PM - 2:30 PM

CRISPR Offers Hope for Xenotransplantation

A. Joseph Tector, MD PhD, Miami Transplant Institute, Miami, FL, USA

2:30 PM - 3:00 PM

Live Q&A

Program Topic: HLA

New Approaches to HLA Matching and Unacceptable Antigen Determination for Solid Organ Transplantation

2:00 PM - 3:00 PM

Moderators:



Gerald Morris, M.D., Ph.D., University of California, San Diego, La Jolla, CA, USA

Anna Morris, PhD, Emory University, Atlanta, GA, USA

2:00 PM - 2:10 PM

UNOS Histocompatibility Updates: HLA Typing and Unacceptable Antigens

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

2:10 PM - 2:20 PM

Kidney for Life: HLA Matching in Living Donor Transplantation

Dorry Segev, MD, PhD, NYU Langone Health, New York, NY, USA

2:20 PM - 2:30 PM

Exome Matching for HLA

Loren Gragert, PhD, Tulane University School of Medicine, New Orleans, LA, USA

2:30 PM - 3:00 PM

Live Q&A

Program Topic: Pediatric & Liver

Should Surgeons Travel to the Graft? Or Should Grafts Travel to the Surgeon? In Situ Split versus Ex Situ Split for Pediatric Liver Transplantation

2:00 PM - 3:00 PM

Moderators:

Clark Bonham, MD, Stanford University Medical Center, Palo Alto, CA, USA

George Mazariegos, MD, UPMC Children's Hospital of Pittsburgh, Pittsburgh, PA, USA

2:00 PM - 2:10 PM

Eliminating Wait List Mortality in Pediatric Liver Transplantation---Split Grafts are a Critical Component

Srinath Chinnakotla, MD, M Health/Fairview, Minneapolis, MN, USA

2:10 PM - 2:20 PM

Pro: Insitu Splitting is Better

Patrick Healey, MD, Seattle Children's Hospital, Seattle, WA, USA

2:20 PM - 2:30 PM

Con: Back Table Split is Better

Deepak Vikraman, MD, Duke University Medical Center, Durham, NC, USA

2:30 PM - 2:35 PM

Rebuttal: Pro

2:35 AM - 2:40 PM

Rebuttal: Con

2:40 PM - 3:00 PM

Live Q&A

Program Topic: Advanced Practice Provider

Expanding the Advanced Transplant Provider Pool: Orientation, Training, and Retention

2:00 PM - 3:00 PM

Moderators:

Kristi Reinschmidt, PA-C, Intermountain Transplant Center, Salt Lake City, UT, USA

Eliana Agudelo, PA-C, UCSF, San Francisco, CA, USA

2:00 PM - 2:10 PM

Everything you Need to Know About an Advanced Transplant Provider (ATP) Fellowship Program

Kenai Hattori, NP, Duke University Hospital, Durham, NC, USA

2:10 PM - 2:20 PM

Orienting and Training Advanced Practice Providers (APPs) to Succeed

Deborah Hoch, DNP, Maine Medical Center, Portland, ME, USA

2:20 PM - 2:30 PM

Improving Employee Satisfaction and Retention: How to Develop Advanced Practice Provider (APP) Careers while Preventing Burnout

Anna Frank, PA-C, Nephrosant, Charlottesville, VA, USA

2:30 PM - 3:00 PM

Live Q&A

Program Topic: COVID-19

COVID-19 in Specific Transplant Populations

2:00 PM - 3:00 PM

Moderators:

Wasim Dar, MD, PhD, Hartford HealthCare, Hartford, CT, USA

Hannah Nam, MD MSCI, University of California - Irvine, Orange, CA, USA

2:00 PM - 2:10 PM

COVID-19 Treatments for Pediatric Transplant Recipients

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

2:10 PM - 2:20 PM

Outcomes of COVID-19 in Lung Transplant Recipients

Deborah Levine, MD, University of Texas, San Antonio, TX, USA

2:20 PM - 2:30 PM

Utilization of COVID-19 Donors and Outcomes

Kelly Critchfield, MBA, BSRT, CPTC, Midwest Transplant Network, Westwood, KS, USA

2:30 PM - 3:00 PM

Live Q&A

Sponsor Networking

3:00 PM - 3:30 PM

Program Topic: All Topics

Join your fellow colleagues in Exhibit Hall C & D, Level 2 for networking with sponsors. Beverages and light snacks will be served.

Product Theater

3:00 PM - 3:30 PM

Program Topic: All Topics

Harnessing the Power of Immune Tolerance in Living-Donor Kidney Transplant: FCR001: an Investigational

Allogeneic Cell Therapy Sponsored by Talaris Therapeutics

This product theater is not part of the ATC official educational program and the session and content is not endorsed by ATC.

This is open to all registered ATC attendees and there is no separate registration fee to attend.

Rapid Fire Oral Abstract Sessions

3:30 PM - 5:00 PM

Program Topic: Kidney

Kidney Deceased Donor Selection II

3:30 PM - 5:00 PM

Moderators:

Stuart Flechner, MD FAST, Cleveland Clinic Lerner College of Medicine, Cleveland, OH, USA

Elliot Grodstein, MD, Northwell Health, Manhasset, NY, USA

3:30 PM - 3:40 PM

Survival Comparison of Waitlisted and Renal Transplanted Patients in the European Senior Programme

M. G. Naik¹, V. Greese¹, K. U. Eckardt¹, U. Frei¹, P. Glander¹, L. Liefeldt¹, M. Pigorsch², E. Schaeffner³, K. Budde¹, F. Halleck¹, ¹Medical Department, Division of Nephrology and Internal Intensive Care Medicine, Charité, Berlin, Germany, ²Institute of Biometry and Clinical Epidemiology, Charité, Berlin, Germany, ³Institute of Public Health, Charité, Berlin, Germany

3:40 PM - 3:50 PM

Deep-Learning Based Pathological Assessment of Frozen Procurement Kidney Biopsies

Z. Yi¹, C. Xi¹, M. Menon², P. Cravedi¹, B. Murphy¹, S. Ward¹, F. Salem¹, W. Zhang¹, ¹Icahn School of Medicine at Mount Sinai, New York, NY, ²Yale University School of Medicine, New York, NY

3:50 PM - 4:00 PM

Single Center Experience with "Extreme" Acute Kidney Injury Deceased Donor Kidneys

B. K. Sharda, M. Garner, A. Farney, G. Orlando, C. Jay,

J. Rogers, A. Daniel, A. Gutierrez, N. Sakhovskaya, R. Stratta, *Atrium Health Wake Forest Baptist Medical Center, Winston Salem, NC*

4:00 PM - 4:10 PM

Resistance Isn't Futile: The Independent Effect of Pumping Resistance on Long-Term Kidney Graft Survival
D. Stewart¹, J. Foutz¹, L. Kamal², G. Gupta², ¹*United Network for Organ Sharing, Richmond, VA*, ²*Virginia Commonwealth University Health, Richmond, VA*

4:10 PM - 4:20 PM

Feasibility and Short-Term Outcomes of Kidney Transplantation Following Donation After Circulatory Death Using Thoracic Normothermic Regional Perfusion in the United States
L. Hickman, D. Shaffer, J. Hoffman, W. G. McMaster, A. S. Shah, R. Forbes, *Surgery, Vanderbilt University Medical Center, Nashville, TN*

4:20 PM - 4:30 PM

The Ontario Anatomic Kidney Score (OAKS) : Quantitative Macroscopic Assessment versus Histological Grading in Pre-transplant Evaluation of Donor Kidneys
J. Mello Offerri¹, D. Matty², H. Abed³, P. Roshanov⁴, A. Sener¹, P. Luke¹, ¹*Urology, Western University, London, ON, Canada*, ²*Undergraduate Medical Education, Western University, Schulich School of Medicine & Dentistry, London, ON, Canada*, ³*Division of Urology, Department of Surgery, Schulich School of Medicine & Dentistry, Western University, London, ON, Canada*, ⁴*Division of Nephrology, Department of Internal Medicine, Schulich School of Medicine & Dentistry, Western University, London, ON, Canada*

4:30 PM - 4:40 PM

Prospective Study of Preimplantation Biopsy in Deceased Donor Kidney Transplantation (DDKT)
H. Me, M. Smith, C. Jadowiec, K. Harris, R. Butterfield, H. Khamash, B. G. AbuJawdeh, K. Reddy, R. Heilman, *Mayo Clinic, Phoenix, AZ*

4:40 PM - 4:50 PM

Predictors Associated with Survival Outcomes for DCD and DBD Renal Transplants from D4 Donors. A Registry Based Machine Learning Analysis (MLA)
H. Sharma¹, A. Sharma², ¹*Royal Liverpool University Hospital, Liverpool, United Kingdom*, ²*Loyola University Chicago, Loyola University Chicago, IL*

4:50 PM - 5:00 PM

Kidney Nonprocurement in Deceased Donors with Acute Kidney Injury
K. Yu¹, K. King¹, S. Husain¹, J. Stevens¹, C. Parikh², S. Mohan¹, ¹*Division of Nephrology, Columbia University Medical Center, New York, NY*, ²*Division of Nephrology, Johns Hopkins School of Medicine, Baltimore, MD*

Program Topic: Kidney

Kidney Immunosuppression: Desensitization & Acute Antibody Mediated Rejection

3:30 PM - 5:00 PM

Moderators:
Bonnie Lonze, MD, PhD, NYU Langone Transplant Institute, New York, NY, USA
Anna Valujskikh, PhD, The Cleveland Clinic Fdn, Cleveland, OH, USA

3:30 PM - 3:40 PM

Early Clinical Complications Following HLA-Incompatible Living Donor Kidney Transplantation
J. D. Motter¹, K. Jackson¹, A. Massie¹, J. Garonzik-Wang², D. Segev¹, ¹*Johns Hopkins University, Baltimore, MD*, ²*University of Wisconsin-Madison, Madison, WI*

3:40 PM - 3:50 PM

Clazakizumab® (anti-il-6) Desensitization in Highly-HLA Sensitized Patients Awaiting Kidney Transplant (nct03380962): Long-Term Follow Up
A. Vo¹, J. Tang¹, N. Ammerman¹, E. Huang¹, X. Zhang², M. Haas³, A. Peng¹, R. Najjar¹, S. Williamson¹, C. Meyers¹, S. Sethi¹, K. Lim¹, M. Gillespie¹, N. Badash¹, S. Jordan¹, ¹*Comprehensive Transplant Center, Cedars Sinai Medical Ctr, Los Angeles, CA*, ²*HLA Laboratory, Cedars Sinai Medical Ctr, Los Angeles, CA*, ³*Pathology, Cedars Sinai Medical Ctr, Los Angeles, CA*

3:50 PM - 4:00 PM

Ixazomib for Desensitization (IXADES): Results of a Phase II Clinical Trial
 N. Wilson¹, S. R. Reese², L. Ptak³, F. Aziz², S. Parajuli², V. Jucaud⁴, S. Denham⁴, A. Mishra⁵, P. Hematti⁵, A. Djamali², ¹*University of Wisconsin, Madison, WI*, ²*Medicine, University of Wisconsin, Madison, WI*, ³*Administration, University of Wisconsin, Madison, WI*, ⁴*Terasaki Institute, Los Angeles, CA*, ⁵*UW*

Comprehensive Cancer Center, University of Wisconsin, Madison, WI

4:00 PM - 4:10 PM

Pre-Transplant Desensitization Utilizing Intravenous Immune-Globulin and Tocilizumab: A Single Center Experience

I. Moinuddin, M. Miles, S. Sterling, A. Brown, P. Kimball, G. Gupta, Virginia Commonwealth University Health System, Richmond, VA

4:10 PM - 4:20 PM

Dynamic Changes of Serum Soluble B Cell Activating Factor in Kidney Transplant with De Novo Donor Specific Antibody

S. Wu¹, X. Su¹, Y. Gao¹, Y. Wei¹, Q. Ye¹, M. Huang², Y. Chen¹, J. Wang¹, Q. Zhang³, Q. Fu¹, J. Li², H. Huang², B. Xu², H. Zhang¹, L. Liu², C. Wang², ¹Organ Transplant Center, The First Affiliated Hospital, Sun Yat-sen University, Guangzhou, China, ²The First Affiliated Hospital, Sun Yat-sen University, Guangzhou, China, ³Charité - Universitätsmedizin Berlin, Berlin, Germany

4:20 PM - 4:30 PM

Multicenter Effort Assessing the Effects of COVID Infection and Vaccination on HLA Antibodies in Waitlisted Patients with ESRD

G. R. Roll¹, M. Cooper², H. Gebel³, K. M. Hitchman⁴, M. Hobeika⁵, J. Houpp⁶, M. Kamoun⁷, J. Killian⁸, J. Kim⁹, V. Kumar¹⁰, M. Levine¹¹, T. Lunow-Luke¹, R. Parsons¹², D. Ranch¹³, P. Stock¹⁴, S. Yi¹⁵, R. Rajalingam¹⁶, ¹UCSF Medical Center, San Francisco, CA, ²MedStar Georgetown Transplant Institute, Washington, DC, ³Emory University Hospital, Atlanta, GA, ⁴Pathology and Laboratory Medicine, University of Texas Health San Antonio, San Antonio, TX, ⁵Houston Methodist, Houston, TX, ⁶University of Alabama, Birmingham, AL, ⁷Hospital Univ of Pennsylvania, Philadelphia, PA, ⁸University of Alabama at Birmingham, Birmingham, AL, ⁹Surgery, Keck Medicine of USC, Los Angeles, CA, ¹⁰University of Alabama at Birmingham Hospital, Birmingham, AL, ¹¹University of Pennsylvania, Philadelphia, Pe, ¹²Emory University School of Medicine, Atlanta, GA, ¹³UT Health San Antonio, San Antonio, TX, ¹⁴Univ of California-San Francisco, San Francisco, CA, ¹⁵Houston Methodist Hospital, Houston, TX, ¹⁶Immunogenetics and Transplantation Laboratory (ITL), San Francisco, CA

4:30 PM - 4:40 PM

NK Cells in Kidney Allograft Antibody-mediated Rejection Display Increased Proliferation, IL-21 Responsiveness, Type-1 Activation, and Cytotoxic Profile

E. Bailly¹, C. Macedo¹, K. Louis², X. Gu¹, B. Ramaswami¹, M. Lucas¹, C. Bentelejewski¹, A. Zeevi¹, P. Randhawa¹, C. Lefaucheur², D. Metes¹, ¹Thomas E. Starzl Transplantation Institute, Pittsburgh, PA, ²INSERM UMR-S976. Endothelium, Inflammation & Alloreactivity, Paris, France

4:40 PM - 4:50 PM

Histopathology at Diagnosis and One-Year Outcomes in Antibody Mediated Rejection in Pediatric Kidney Transplant Recipients: Preliminary Findings from the Paramour "Pediatric Renal AMR Outcomes" Study

R. Zahr¹, D. Puliya², I. Ashoor³, N. Hayde⁴, S. Solomon⁵, R. Engen⁶, L. Harshman⁷, C. Peterson⁸, S. McEwen⁹, A. Jain¹⁰, R. Garro¹¹, A. Mansuri¹², M. Kallash¹³, K. Twombly¹⁴, ¹Pediatrics, University of Tennessee Health Science Center, Memphis, TN, ²Cedars-Sinai Med Ctr, West Hollywood, CA, ³Pediatrics, Louisiana State University, New Orleans, LA, ⁴Montefiore Medical Center, Bronx, NY, ⁵The Children's Hospital at Montefiore, New York, NY, ⁶Pediatrics, University of Wisconsin Madison, Madison, WI, ⁷University of Iowa Children's Hospital, Iowa City, IA, ⁸University of Utah, Salt Lake City, UT, ⁹University of Minnesota, Minneapolis, MN, ¹⁰Pediatrics, Wayne State University, Troy, MI, ¹¹Emory University, Atlanta, GA, ¹²Pediatrics, Augusta University, Augusta, GA, ¹³Pediatrics, The Ohio State University, Columbus, OH, ¹⁴Medical University of South Carolina, Charleston, SC

4:50 PM - 5:00 PM

Comprehensive Profiling of Monocytes During Cellular (TCMR) or Mixed Antibody-Mediated Rejection (ABMR) After Kidney Transplantation

C. Macedo¹, E. Bailly¹, K. Louis², X. Gu¹, M. Lucas¹, A. Zeevi¹, P. Randhawa¹, A. Bansal³, D. Metes¹, ¹Starzl Transplantation Institute, Pittsburgh, PA, ²INSERM UMR-S976, Paris, France, ³University of Pittsburgh, Pittsburgh, PA

Program Topic: Kidney

Kidney Immunosuppression

3:30 PM - 5:00 PM

Moderators:

Beatrice Concepcion, MD MS, Vanderbilt University Medical Center, Nashville, TN, USA

Graciella DeBoccardo, MD, Mount Sinai Hospital, New York, NY, USA

3:30 PM - 3:40 PM

Long Term Follow-Up of a Phase 2 Clinical Trial to Induce Tolerance in Living Donor Kidney Transplant Recipients

J. Leventhal¹, J. Galvin², J. Mathew³, L. Gallon³, D. Belshe⁴, M. Gibson⁴, K. Ravindra⁵, M. Horwitz⁶, S. Ildstad⁷, ¹Feinberg School of Medicine, Northwestern University, Chicago, IL, ²University of Illinois Chicago, Chicago, IL, ³Northwestern University, Chicago, IL, ⁴Comprehensive Transplant Center, Northwestern University, Chicago, IL, ⁵Department of Surgery, Duke University Medical Center, Durham, NC, ⁶Adult Blood and Marrow Transplant Program, Duke University Medical Center, Durham, NC, ⁷Talaris Therapeutics Inc, Louisville, KY

3:40 PM - 3:50 PM

Five-Year Follow-Up from a Prospective, Randomized Trial of Belatacept-Based, CNI Free/Early Steroid Withdrawal Regimens

H. Hames¹, A. R. Shields¹, E. Yanqui¹, A. Christianson¹, J. Kremer², A. Govil¹, E. S. Woodle¹, R. R. Alloway¹, ¹University of Cincinnati, Cincinnati, OH, ²Christ Hospital, Cincinnati, OH

3:50 PM - 4:00 PM

Real-Life Tacrolimus Levels Are Associated with Biopsy-Proven Acute Rejection After the First Year Post-Kidney Transplantation

S. Meziyerh, T. van Gelder, D. van der Helm, P. J. van der Boog, J. W. de Fijter, D. J. Moes, A. P. de Vries, LUMC, Leiden, Netherlands

4:00 PM - 4:10 PM

Validation of the iBox Surrogate End Point in CNI Free, Belatacept Treated Patients (BENEFIT & BENEFIT-EXT)

G. Divard¹, O. Aubert¹, M. Raynaud¹, F. Vincenti², L. Rostaing³, A. Durbach⁴, C. Legendre¹, R. Vadanici⁵, A. Loupy¹, -. BENEFIT & BENEFIT-EXT Investigators⁶, ¹Paris Transplant Group, INSERM, Paris, France, ²UCSF, San Francisco, CA, ³Grenoble, Grenoble, France, ⁴APHP, Paris, France, ⁵BMS, Rueil Malmaison, France, ⁶BMS, New York, NY

4:10 PM - 4:20 PM

De-Novo Belatacept Therapy is Associated with an Increased Risk of Invasive CMV Disease After Kidney Transplantation

G. Petrossian¹, J. Ortiz², K. Addonizio¹, A. Hsiao¹, L. Teixeira¹, N. Koizumi³, R. James³, S. Patel⁴, D. Conti², R. Plews², ¹Albany Medical Center, Albany, NY, ²Division of Renal and Pancreatic Transplant Services, Albany Medical Center, Albany, NY, ³George Mason University, Fairfax, VA, ⁴UMC Las Vegas, Las Vegas, NV

4:20 PM - 4:30 PM

Long-Term Outcomes After Conversion to a Belatacept-Based Immunosuppression in Kidney Transplant: A Matched Cohort Study

G. Divard, C. Debiais, C. Legendre, O. Aubert, C. Lefaucheur, A. Loupy, Paris Transplant Group, INSERM, Paris, France

4:30 PM - 4:40 PM

Influence of Converting Kidney Transplant Recipients with High Tacrolimus Variability to the Once Daily LCP Tac Formulation

D. Taber, F. Bartlett, N. Patel, T. Sprague, S. Patel, J. Newman, E. Andrade, N. Rao, A. Posadas, V. Rao, M. Casey, D. Dubay, V. Rohan, Med Univ of South Carolina, Charleston, SC

4:40 PM - 4:50 PM

Conversion to Belatacept for Calcineurin Inhibitor Toxicities

S. S. Patel, P. Jadav, M. Sekulic, S. Kudose, I. Batal, S. Mohan, R. Crew, Columbia University Medical Center, New York, NY

4:50 PM - 5:00 PM

Intraoperative Kinetics of Pro-Inflammatory Markers and Delayed-Graft Function During Kidney Transplantation

P. A. Wadsworth, H. L. Stevenson, M. L. Kueht, University of Texas Medical Branch, Galveston, TX

Program Topic: Liver

Recipient Selection

3:30 PM - 5:00 PM

Moderators:

John Fung, MD, PhD, University of Chicago, CHICAGO,

IL, USA

Burcin Ekser, MD PhD, Indiana University - Transplant Surgery, Indianapolis, IN, USA

3:30 PM - 3:40 PM

Internal Validation of a Pre-Transplant Biomarker Panel to Predict Post-Transplant Mortality: The Liver Immune Frailty Index

G. G. Panayotova¹, D. T. Nguyen², E. A. Graviss², L. J. Minze², S. Simonishvili¹, Y. Qin¹, T. Ayorinde¹, G. Prakash¹, F. Paterno¹, L. Brown¹, A. Amin¹, X. C. Li², R. M. Ghobrial², J. V. Guarrera¹, K. E. Lunsford¹, ¹Rutgers New Jersey Medical School, Newark, NJ, ²Houston Methodist Hospital, Houston, TX

3:40 PM - 3:50 PM

The High Acuity Index: A Posttransplant Prediction Score for High-MELD Patients

C. R. Christmann¹, A. Anand¹, G. Handing¹, A. Rana², ¹School of Medicine, Baylor College of Medicine, Houston, TX, ²Division of Abdominal Transplantation, Baylor College of Medicine, Houston, TX

3:50 PM - 4:00 PM

Integrated Alcohol Use Disorder Clinic as a Strategy to Reduce Alcohol Relapse After Early Liver Transplantation in Patients with Alcohol Related Liver Disease

R. Z. Syed¹, C. Albers², N. Kemmer², V. Subramanian², C. Machado-Denis¹, K. Dhanireddy², ¹Hepatology and Liver Transplantation, Tampa General Hospital, Tampa, FL, ²Tampa General Hospital, Tampa, FL

4:00 PM - 4:10 PM

Portal Vein Thrombosis and DCD Liver Transplantation: Dangerous Combination or Clinical Opportunity?

E. Calderon¹, Y. Chang², P. Lu¹, A. M. Durant³, D. Derakshani⁴, M. L. Anderson⁴, E. R. Luque Villa², C. Jadlowiec², K. Reddy², A. Moss², A. K. Mathur², ¹General Surgery, Mayo Clinic, Phoenix, AZ, ²Mayo Clinic, Phoenix, AZ, ³Urology, Mayo Clinic, Phoenix, AZ, ⁴Mayo Clinic Alix School of Medicine, Phoenix, AZ

4:10 PM - 4:20 PM

Heterogeneity in Center Practices in Liver Transplantation for Alcohol-Associated Liver Disease in the United States

N. Lim¹, A. Kwong², S. Jafri³, M. Jesse³, M. Kriss⁴, K. Nair⁵, A. Pillai⁶, A. Shingina⁷, A. Desai⁸, ¹Division of Gastroenterology, Hepatology & Nutrition, University of Minnesota, Minneapolis, MN, ²Stanford University, Palo

Alto, CA, ³Henry Ford Hospital, Detroit, MI, ⁴University of Colorado School of Medicine, Aurora, CO, ⁵Community Health Network, Indianapolis, IN, ⁶University of Chicago, Chicago, IL, ⁷Vanderbilt University, Nashville, TN, ⁸Indiana University, Indianapolis, IN

4:20 PM - 4:30 PM

Meld Score <31 Predicts Spontaneous Recovery in Patients Listed for Liver Transplantation for Alcohol-Associated Hepatitis: A UNOS Database Study

Y. Bekki, G. Im, T. Schiano, S. Florman, *Icahn School of Medicine at Mount Sinai, RMTI, New York, NY*

4:30 PM - 4:40 PM

Pre-Transplant Evaluation of Patients Undergoing Combined Heart-Liver Transplantation and Correlation with Explant Pathology

A. Shingina¹, J. N. Menachem¹, S. Brown¹, I. A. Ziogas², W. K. Wu³, M. J. Izzy⁴, J. Liang¹, K. Washington¹, S. Alexopoulos⁵, ¹Vanderbilt University Medical Center, Nashville, TN, ²Division of Hepatobiliary Surgery and Liver Transplantation, Vanderbilt University Medical Center, Nashville, TN, ³Thoracic Surgery; Hepatobiliary Surgery and Liver Transplantation, Vanderbilt University Medical Center, Nashville, TN, ⁴GI and Hepatology, Vanderbilt University Medical Center, Nashville, TN, ⁵Vanderbilt Medical Center, Nashville, TN

4:40 PM - 4:50 PM

Measurement of Physical Activity and Frailty in the Early Post-Operative Period After Liver Transplant Surgery: Single-Center Pilot Study Using Fitbit Watch

T. Shamaa, L. Allenspach, O. Shamaa, S. Shimada, C. Crombez, O. Hage-Hassan, T. Kitajima, S. Yeddula, I. Bajjoka, K. Collins, M. Rizzari, A. Yoshida, M. Abouljoud, S. Nagai, *Henry Ford Transplant Institute, Detroit, MI*

Program Topic: Pancreas

Pancreas and Islet: All Topics

3:30 PM - 5:00 PM

Moderators:

Ronald Parsons, MD, Emory University School of Medicine, Atlanta, GA, USA

Jonathan Fridell, MD, Indiana University School of Medicine, Indianapolis, IN, USA

3:30 PM - 3:40 PM

Progression of Peripheral Vascular Disease After Kidney/Pancreas Transplantation

R. J. Knight, E. A. Graviss, D. T. Nguyen, Y. Ye, S. G. Yi, C. S. Bavare, A. R. Sadhu, H. Podder, M. Hobeika, R. McMillan, A. O. Gaber, *Houston Methodist Hospital, Houston, TX*

3:40 PM - 3:50 PM

DCD vs DBD Pancreas Transplant Outcome - A Comprehensive Registry Analysis

A. C. Gruessner¹, S. J. Saggi², R. Gruessner¹, ¹SUNY Downstate Medical Center, Brooklyn, NY, ²Medicine, SUNY Downstate Medical Center, Brooklyn, NY

3:50 PM - 4:00 PM

Outcomes in Obese Patients with Diabetes Mellitus Type 2 That Received Simultaneous Pancreas and Kidney Transplant

M. Merzkani¹, H. Murad², M. Wang³, V. Hu⁴, M. Ji⁵, Y. Al-Hosni⁴, O. Alzahabi³, M. Zayed³, K. Lentine⁶, J. Wellen⁷, S. Chang⁸, T. Alhamad⁹, ¹Washington University, Saint Louis, MO, ²Washington University in St Louis, Chesterfield, MO, ³Washington U, St Louis, MO, ⁴Wash U, St Louis, MO, ⁵Washington University in St. Louis School of Medicine, Saint Louis, MO, ⁶SLU, St Louis, MO, ⁷Washington University School of Medicine, Saint Louis, MO, ⁸Surgery, Washington University School of Medicine, Saint Louis, MO, ⁹Washington University School of Medicine at St. Louis, Saint Louis, MO

4:00 PM - 4:10 PM

Using a Unique Repository of Pancreas Transplant Biopsies to Validate the Tissue Common Response Module (tCRM) Score as a Tool to Assess the Severity of Pancreas Transplant Rejection

Y. Kelly¹, A. Zarinsefat¹, R. Meier², M. Sarwal¹, P. Stock¹, Z. Laszik¹, T. Sigdel¹, ¹University of California, San Francisco, San Francisco, CA, ²University of Maryland Medical Center, Baltimore, MD

4:10 PM - 4:20 PM

Recipient and Grafts Outcomes in Simultaneous Kidney and Pancreas Transplantation with Steroid Avoidance in the United States

A. Cerise¹, A. Dinesh², V. Humphreville², S. Jackson³, R. Kandaswamy², S. Riad⁴, ¹Surgery, University of Minnesota, Minnesota, MN, ²Surgery, University of Minnesota, Minneapolis, MN, ³Analytics, MHealth-

Fairview, Minneapolis, MN, ⁴Medicine, University of Minnesota, Eden Prairie, MN

4:20 PM - 4:30 PM

Outcomes of Primary Simultaneous Pancreas-Kidney Transplants by Induction Agent in the United States

A. Cerise¹, T. Shaker¹, K. Ramanathan¹, S. Jackson², R. Kandaswamy¹, S. Riad³, ¹Surgery, University of Minnesota, Minneapolis, MN, ²Analytics, MHealth-Fairview, Minneapolis, MN, ³Medicine, University of Minnesota, Minneapolis, MN

4:30 PM - 4:40 PM

Survival Benefit of Preemptive Simultaneous Pancreas Kidney Transplantation

E. Montaguad-Marrahi¹, E. Cuadrado-Payán¹, E. Hermida¹, D. Cucchiari¹, I. Revuelta¹, J. Del Risco-Zevallos¹, J. Casals¹, N. Esforzado¹, F. Cofan¹, F. Oppenheimer¹, V. Torregrosa¹, J. Ferrer², A. J. Amor³, E. Esmatjes¹, M. Ramirez-Bajo⁴, M. Musquera⁵, B. Bayés¹, J. Campistol¹, F. Diekmann¹, P. Ventura-Aguilar¹, ¹Nephrology and Kidney Transplantation Department, Hospital Clínic of Barcelona, Barcelona, Spain, ²Hepatobiliopancreatic and Liver Transplant Department, Hospital Clínic of Barcelona, Barcelona, Spain, ³Diabetes Unit. Endocrinology and Nutrition Department, Hospital Clínic of Barcelona, Barcelona, Spain, ⁴Laboratori Experimental de Nefrologia i Trasplantament (LENIT), Fundació Clínic per a la Recerca, Hospital Clínic of Barcelona, Barcelona, Spain, ⁵Urology Department, Hospital Clínic of Barcelona, Barcelona, Spain

4:40 PM - 4:50 PM

Immune Cell Phenotype of Acute Rejection of Pancreas Allografts by RNA Sequencing Analysis

C. Hughes, H. Yang, C. Snopkowski, C. Li, D. M. Dadhania, S. Sultan, C. Hartono, M. Suthanthiran, S. V. Seshan, T. Muthukumar, *Weill Cornell Medicine, New York, NY*

4:50 PM - 5:00 PM

Favorable Outcomes in Older Diabetics Receiving a Simultaneous Kidney Pancreas Transplant Compared to Those Receiving a Living Donor Kidney Transplant

P. Budhiraja¹, H. Me¹, J. Ninan², S. Reddy², S. S. Misra¹, R. Heilman¹, H. Khamash¹, K. Reddy¹, C. Jadloweic¹, N. Katariya¹, H. Chakker¹, ¹Mayo Clinic, Phoenix, AZ, ²Mayo Clinic, Rochester, MN

Program Topic: Organ Inclusive

Surgical Issues: Donor and Recipient

3:30 PM - 5:00 PM

Moderators:

Debra Sudan, MD, Duke University Medical Center, Durham, NC, USA

Navpreet Kaur, M.D., University of Southern California, Los Angeles, CA, USA

3:30 PM - 3:40 PM

Critical Care of the Brain-Dead Recipient of a Pig-to-Human Renal Transplant

G. L. Piper¹, P. Sommer², J. M. Stern¹, B. Sullivan¹, E. Weldon¹, N. Lawson¹, B. Lonze¹, R. Dieter², G. Boulton¹, R. Montgomery¹, ¹NYU Langone Transplant Institute, New York, NY, ²NYU Langone Health, New York, NY

3:40 PM - 3:50 PM

Assessing Safety of Using ECMO-Supported Donors in Abdominal Transplantation

P. J. Altshuler¹, A. P. Shah¹, J. M. Glorioso¹, W. R. Maley¹, A. M. Frank¹, C. B. Ramirez¹, H. Dang¹, S. West², R. Hasz, Jr.², A. S. Bodzin¹, ¹Department of Surgery, Thomas Jefferson University, Philadelphia, PA, ²Gift Of Life Donor Program, Philadelphia, PA

3:50 PM - 4:00 PM

Resource Expenditure in the Evaluation of Older Donors for Heart Transplant: An Impediment to Donor Pool Expansion?

B. Wayda¹, J. G. Zaroff², N. Neidlinger³, P. Geraghty⁴, R. P. Wood⁵, J. Nieto⁵, T. C. Pearson⁶, B. Nicely⁷, K. K. Khush¹, ¹Stanford University School of Medicine, Stanford, CA, ²Kaiser Permanente Northern California, Oakland, CA, ³University of Wisconsin School of Medicine, Madison, WI, ⁴Donor Network of Arizona, Tempe, AZ, ⁵LifeGift, Houston, TX, ⁶Emory University School of Medicine, Atlanta, GA, ⁷Gift of Life Michigan, Ann Arbor, MI

4:00 PM - 4:10 PM

The Sustained Impact of a Minimization Protocol on Peri-Operative Opioid Use in Kidney Transplantation

N. Patel, T. Carcella, J. Marable, V. Rohan, S. Bethi, P. Baliga, D. Dubay, J. N. Fleming, D. Taber, -MUSC, -

Charleston, SC

4:10 PM - 4:20 PM

Controlling Instability at Reperfusion: Another Benefit of Normothermic Machine Perfusion Using OCS Liver

C. S. Hwang¹, C. Shi², M. Patel¹, J. Shah¹, L. DeGregorio¹, S. Hanish¹, Y. Kadakia³, U. Chaudhary³, E. Okoro², S. Cheruku², P. Lahsaei², P. Vagefi¹, M. MacConmara⁴, ¹Surgery, University of Texas Southwestern Medical Center, Dallas, TX, ²Anesthesia, University of Texas Southwestern Medical Center, Dallas, TX, ³University of Texas Southwestern Medical Center, Dallas, TX, ⁴TransMedics, Andover, MA

4:20 PM - 4:30 PM

Organ Care System Use in Liver Transplantation Shifts Preservation-Reperfusion Injury in Time and Space

A. J. Demetris, M. A. Wood-Trageser, D. Lesniak, -. The PROTECT Investigators, Department of Transplant Pathology, University of Pittsburgh, Pittsburgh, PA

4:30 PM - 4:40 PM

New Oral Anticoagulants vs Warfarin in Kidney Transplant

S. R. Raslan¹, D. Alkortas², ¹Pharmaceutical Care, King Faisal Specialist Hospital & Research Centre, Riyadh, Saudi Arabia, ²KFSH & RC, Riyadh, Saudi Arabia

4:40 PM - 4:50 PM

Prolonged Preservation by Hypothermic Machine Perfusion Facilitates Logistics in Liver Transplantation: A European Observational Cohort Study

I. M. Brüggewirth¹, M. Mueller², V. A. Lantinga¹, S. Camagni³, R. De Carlis⁴, L. De Carlis⁵, M. Colledan⁶, D. Dondossola⁷, M. Drefs⁸, J. Eden², D. Ghinolfi⁹, D. Koliogiannis¹⁰, G. Lurje¹¹, T. Manzia¹², D. Monbaliu¹³, P. Muisean¹⁴, D. Patrono¹⁵, J. Pratschke¹⁶, R. Romagnoli¹⁷, M. Rayar¹⁸, F. Roma¹⁴, A. Schlegel², P. Dutkowski², R. J. Porte¹, V. E. de Meijer¹, ¹University Medical Center Groningen, Groningen, Netherlands, ²University Hospital Zurich, Zurich, Switzerland, ³ASST Papa Giovanni XXIII, Bergamo, Italy, ⁴ASST Grande Ospedale Metropolitano Niguarda, Niguarda, Italy, ⁵Niguarda Ca' Granda Hospital, Niguarda, Italy, ⁶Azienda Ospedaliera Papa Giovanni XXIII, Bergamo, Italy, ⁷Fondazione IRCCS Ca' Granda - Ospedale Maggiore Policlinico, Milan, Italy, ⁸University of Munich, Munich, Germany, ⁹Azienda Ospedaliero Universitaria Pisana, Pisa, Italy, ¹⁰Hospital of the University of Munich, Munich, Germany, ¹¹Charité

Universitätsmedizin Berlin, Berlin, Germany, ¹²Tor Vergata University, Rome, Italy, ¹³KU Leuven University Hospitals Leuven, Leuven, Belgium, ¹⁴Fondazione IRCCS Ca' Granda Ospedale Maggiore Policlinico, Milan, Italy, ¹⁵A. O. U. Città della Salute e della Scienza di Torino, Turin, Italy, ¹⁶Charite Universitätsmedizin Berlin, Berlin, Germany, ¹⁷AOU Città della Salute e della Scienza di Torino, Turin, Italy, ¹⁸CHU Pontchaillou, Rennes, France

4:50 PM - 5:00 PM

Final Flow and Resistance with Cold Pulsatile Perfusion Preservation Are Independent Risk Factors for Dialysis in the First Week Post-Transplant, Analysis of SRTR Data
 D. S. Keith, E. Lessmann, *Kidney Transplant, Ascension Sacred Heart Hospital, Pensacola, FL*

Program Topic: Psychosocial & Ethics

Psychosocial and Treatment Adherence

3:30 PM - 5:00 PM

Moderators:

Sarah Lieber, MD MSCR, University of Texas Southwestern, Dallas, TX, USA

Adam Bodzin, MD, Thomas Jefferson University - Philadelphia, Philadelphia, PA, USA

3:30 PM - 3:40 PM

A Cost Effectiveness Analysis of Adherence Promotion Strategies to Improve Rejection Rates in Adolescent Kidney Transplant Patients

C. Varnell¹, K. Rich¹, A. Modi¹, D. Hooper¹, M. Eckman², ¹Cincinnati Children's Hospital Medical Center, Cincinnati, OH, ²University of Cincinnati School of Medicine, Cincinnati, OH

3:40 PM - 3:50 PM

Social Determinants of Health and Biochemical Alcohol Relapse in Alcohol-Associated Liver Disease

K. Torosian¹, F. Delebecque², A. Liu², D. Arellano², S. Dave³, G. Schnickel⁴, V. Ajmera³, ¹Internal Medicine, University of California San Diego Health, San Diego, CA, ²University of California San Diego, San Diego, CA, ³Transplant Hepatology, University of California San Diego Health, San Diego, CA, ⁴Transplant Surgery, University of California San Diego Health, San Diego, CA

3:50 PM - 4:00 PM

Differences in Medication Adherence Between Preemptive and Post-Dialysis Young Kidney Transplant Recipients

Y. Vaisbourd¹, E. Samson², A. De Simone², M. Dahhou², B. Foster³, ¹Pediatrics, McGill University, Montréal, QC, Canada, ²McGill University, Montréal, QC, Canada, ³Montreal Children's Hospital, Montreal, QC, Canada

4:00 PM - 4:10 PM

Navigating the Ethics of Transplant Research Involving Newly Deceased

B. Parent¹, T. Schiff², E. Weldon³, N. Lawson⁴, S. Mehta⁵, R. A. Montgomery⁶, ¹Medical Ethics, NYU Grossman School of Medicine, New York, NY, ²Medical Ethics, NYU School of Medicine, New York, NY, ³NYU Langone Health-Transplant Institute, New York, NY, ⁴NYU Langone Transplant Institute, New York, NY, ⁵New York University Langone Transplant Institute, New York, NY, ⁶NYU Langone, New York, NY

4:10 PM - 4:20 PM

Financial Impact of a Culturally Sensitive Hispanic Kidney Transplant Program

J. Caicedo¹, A. Wang², A. Mathur³, R. Ruiz⁴, E. J. Gordon¹, ¹Surgery, Northwestern University Feinberg School of Medicine, Chicago, IL, ²Center for Health Services and Outcomes Research, Northwestern University Feinberg School of Medicine, Chicago, IL, ³Surgery, Mayo Clinic Arizona, Phoenix, AZ, ⁴Surgery, Baylor University Medical Center, Dallas, TX

4:20 PM - 4:30 PM

Seeing is Believing: Efficacy of a Video-Based Intervention in Improving Skin Cancer Risk Awareness and Preventative Strategies Among Solid Organ Transplant Recipients

R. Saranath, J. Gomez, E. Shah, S. Michalak, R. Haughton, B. Fernandez, I. Ahronowitz, USC Keck School of Medicine, Los Angeles, CA

4:30 PM - 4:40 PM

Do Social Support Requirements Delay Time to Listing Decision in Liver Candidates?

M. Jesse¹, A. Peleman¹, M. Karrick¹, F. Nimri¹, N. Parikh², A. Segal¹, D. Moonka¹, M. Abouljoud¹, A. Yoshida¹, ¹Henry Ford Health System, Detroit, MI, ²University of Michigan, Ann Arbor, MI

4:40 PM - 4:50 PM

Use of Ancestral Genetic SNP Phenotyping to Define Genotypic Ethnicity in Solid Organ Transplant Patients
P. Jindra, T. Tu, N. D'Silva, C. T. Stewart, J. Magana, N. Chitnis, *Surgery, Baylor College of Medicine, Houston, TX*

4:50 PM - 5:00 PM

Increased Survival Benefit Amongst Highest Priority Candidates Undergoing Heart Transplant Following the New Us Heart Allocation System
S. Tolmie¹, W. Parker², ¹*Pritzker School of Medicine, University of Chicago, Chicago, IL*, ²*Department of Medicine, Section of Pulmonary and Critical Care Medicine, University of Chicago, Chicago, IL*

Program Topic: VCA

VCA

3:30 PM - 5:00 PM

Moderators:

Rolf Barth, MD, *University of Chicago, Chicago, IL, USA*
Bruce Gelb, MD, *NYU Langone Medical Center, New York, NY, USA*

3:30 PM - 3:40 PM

Development of a Dynamic Map of Peripheral Myeloid Cells Associated with Acute Rejection of Vascularized Composite Tissue Allografts
J. T. Harden¹, S. E. Fuentes¹, X. Wang¹, J. Enriquez¹, A. Reitsma¹, C. O. Esquivel², O. M. Martinez³, S. M. Krams³, ¹*Transplant Immunology, Stanford University School of Medicine, Stanford, CA*, ²*Abdominal Transplantation, Stanford University School of Medicine, Stanford, CA*, ³*Transplant Immunology and Abdominal Transplantation, Stanford University School of Medicine, Stanford, CA*

3:40 PM - 3:50 PM

Attitudes and Beliefs Towards Upper Extremity Donation in the United States

S. K. Rezwan, J. S. Puthumana, G. Brandacher, C. M. Cooney, *Department of Plastic and Reconstructive Surgery, Johns Hopkins University School of Medicine, Baltimore, MD*

3:50 PM - 4:00 PM

Vascularized Tracheal Transplantation; A One Year

Update

E. M. Genden, *Otolaryngology- Head and Neck Surgery, The Icahn School of Medicine at Mount Sinai, New York, NY*

4:00 PM - 4:10 PM

Desensitization Using Costimulatory Blockade and Bortezomib to Prevent DSA Formation and Rejection in Reconstructive Transplantation
B. Oh, F. Messner, Y. Guo, G. Brandacher, *Johns Hopkins University School of Medicine, Baltimore, MD*

4:10 PM - 4:20 PM

Donors' Perceptions of Uterus Donation Motivations, Informed Consent and Value: A Qualitative Study of Dallas Uterus Transplant Study (duets) Participants
A. Wall¹, J. Hagen², V. Reddy³, E. Gordon⁴, L. Johannesson¹, G. Testa¹, ¹*Abdominal Transplant Surgery, Baylor University Medical Center, Dallas, TX*, ²*Baylor University Medical Center, Dallas, TX*, ³*Baylor Transplant Research Institute, Dallas, TX*, ⁴*Northwestern Feinberg School of Medicine, Chicago, IL*

4:20 PM - 4:30 PM

Use of Three-Dimensional Volumetric Analysis to Monitor Acute Rejection in a Face Transplant Recipient
D. Boczar¹, H. Brydges¹, O. C. Onuh¹, B. F. Chaya¹, J. Trilles¹, R. Rodriguez Colon¹, D. J. Ceradini¹, B. E. Gelb², E. D. Rodriguez¹, ¹*Hansjörg Wyss Department of Plastic Surgery, NYU Langone Health, New York, NY*, ²*Transplant Institute, NYU Langone Health, New York, NY*

4:30 PM - 4:40 PM

VCA Waiting List and Transplant Trends and Challenges in the US
J. Wainright¹, W. Cherikh¹, S. Booker¹, D. Klassen², ¹*Research, UNOS, Richmond, VA*, ²*Office of the CMO, UNOS, Richmond, VA*

4:40 PM - 4:50 PM

Role of Innate Immunity in Regulating Host Responses to Ischemia and Reperfusion and Allograft Rejection Injury in Vascularized Composite Allotransplantation
S. Han¹, X. Lai², J. Wang¹, L. VanOsdol³, C. Chen¹, J. Mathew¹, J. R. Leventhal⁴, Z. Zhang⁵, ¹*Northwestern University, Chicago, IL*, ²*Comprehensive Transplant Center, Microsurgery Core, Northwestern University, Chicago, IL*, ³*Comprehensive Transplant Center,*

Northwestern University, Chicago, IL, ⁴Surgery, Northwestern Medicine, Chicago, IL, ⁵Northwestern University Transplant Surgery, Chicago, IL

¹Nephrology, Weill Cornell-NYPH, New York, NY, ²Pathology, Weill Cornell-NYPH, New York, NY

4:50 PM - 5:00 PM

Living Donor Robotic Hysterectomy Provides Excellent Outcomes in Uterus Transplant Recipients

L. Johannesson¹, G. J. McKenna¹, A. Wall², J. Bayer¹, G. Testa¹, ¹Baylor University Medical Center, Dallas, TX, ²Baylor Scott and White Dallas, Dallas, TX

Program Topic: Basic

Biomarkers: Clinical Outcomes I

3:30 PM - 5:00 PM

Moderators:

Valeria Mas, PhD, University of Maryland, Ellicott City, MD, USA

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

3:30 PM - 3:40 PM

Kidney Grafts with Poor 24-Month Function Present Upregulated Immune Activity at Pre-Transplantation

E. Bardhi¹, K. Archer², D. Maluf¹, J. McDaniels¹, T. Rousselle¹, E. Akalin³, T. Mueller⁴, V. Mas¹, ¹University of Maryland, Baltimore, MD, ²Ohio State University, Columbus, OH, ³Montefiore Medical Center, Bronx, NY, ⁴University Hospital Zürich, Zürich, Switzerland

3:40 PM - 3:50 PM

External Validation of the Abbreviated Ibox Scoring System at One-Year Post Kidney Transplant as a Surrogate Endpoint for Death-Censored Graft Survival

A. Klein¹, L. Kosinski², R. Muse², A. Loupy³, O. Aubert³, G. Divard³, M. Stegall⁴, I. Helanterä⁵, W. E. Fitzsimmons¹, I. O'Doherty¹, ¹Transplant Therapeutics Consortium, Critical Path Institute, Tucson, AZ, ²Critical Path Institute, Tucson, AZ, ³Paris Transplant Group, Paris, France, ⁴Mayo Clinic, Rochester, MN, ⁵Helsinki University Hospital, Helsinki, Finland

3:50 PM - 4:00 PM

Urinary Cell mRNA Profile Diagnosis of Borderline TCMR in Kidney Allografts

T. Salinas¹, C. Li¹, C. Snopkowski¹, K. Chen¹, S. Albakry¹, S. P. Salvatore², S. Seshan², J. R. Lee¹, M. Thangamani¹, D. Dadhania¹, M. Suthanthiran¹,

4:00 PM - 4:10 PM

Clinical Validation of Automated Urinary Chemokine Assays for Non-Invasive Detection of Kidney Transplant Rejection: A Large Prospective Cohort Study

E. Van Loon¹, C. Tinel¹, J. Callemeyn¹, M. Coemans¹, A. Van Craenenbroeck¹, T. Vaulet², D. Anglicheau³, M. Naesens¹, ¹Microbiology, Immunology and Transplantation, KU Leuven, Leuven, Belgium, ²ESAT STADIUS Center for Dynamical Systems, KU Leuven, Leuven, Belgium, ³Department of Nephrology and Kidney Transplantation, Necker Hospital, Paris, France

4:10 PM - 4:20 PM

Pretransplant Recipient TNFR2⁺T Regulatory Cell Frequency Predicts Long-Term Outcomes After Kidney Transplantation

A. Kouyoumdjian, N. Saberi, S. Negi, J. Tchervenkov, S. Paraskevas, McGill University Health Centre, Montreal, QC, Canada

4:20 PM - 4:30 PM

Detection of CMV Mediated Sub-Clinical Rejection by Urine Biomarkers

S. Ghosh¹, R. Sarwal¹, C. Mark¹, E. Reed², J. Shoji³, S. Bunnapradist², T. Sigdel³, M. Sarwal³, ¹Nephrosant Inc, San Francisco, CA, ²UCLA, Los Angeles, CA, ³UCSF, San Francisco, CA

4:30 PM - 4:40 PM

A Signature of Tolerance Which Identifies Subclinical Rejection-Free Patients at One Year After Kidney Transplantation

R. Danger¹, L. Le Berre¹, M. Cadoux¹, C. Kerleau¹, P. Guérif¹, E. Morelon², O. Thauinat², C. Legendre³, D. Anglicheau³, K. Renaudin¹, M. Giral¹, S. Brouard¹, ¹Centre de Recherche en Transplantation et Immunologie (CRTI), UMR 1064, ITUN, Nantes Université, CHU Nantes, Inserm, Nantes, France, ²Edouard Herriot Hospital, Hospices Civils de Lyon, Inserm U1111, Lyon-Est Medical Faculty, Claude Bernard University (Lyon 1), Lyon, France, ³APHP, Necker-Enfants Malades Institute, Inserm, Paris University, Paris, France

4:40 PM - 4:50 PM

Utility of a Holistic Molecular Paradigm for Kidney Biopsy in the Clinic

S. Anand¹, J. Sanchez-Garcia¹, K. Qui², K. Pinney², A. Raza¹, T. Srinivas², D. Morris¹, ¹Intermountain Medical Center, Murray, UT, ²CareDX, South San Francisco, CA

Groningen, Netherlands, ²University of Groningen, Groningen, Netherlands

Program Topic: Basic

Biomarkers: -omics and Systems Biology

3:30 PM - 5:00 PM

Moderators:

Brendan Keating, University of Pennsylvania, Philadelphia, PA, USA

Khodor Abou Daya, MD, University of Pittsburgh, Pittsburgh, PA, USA

3:30 PM - 3:40 PM

Single Cell Multiomics Reveals Immune Mediators in Acute Cellular Rejection Following Pediatric Liver Transplantation

B. Rocque¹, D. Sarode², A. Barbetta³, P. Singh⁴, C. Goldbeck⁴, C. Weaver⁵, O. Akbari⁴, R. Kohli⁵, J. Emamaullee⁶, ¹University of Southern California Keck School of Medicine, Los Angeles, CA, ²Keck School of Medicine of University of Southern California, Pasadena, CA, ³Surgery, abdominal transplat, University of Southern California, Los Angeles, CA, ⁴Keck School of Medicine of USC, Los Angeles, CA, ⁵Childrens Hospital Los Angeles, Los Angeles, CA, ⁶University of Southern California, Los Angeles, CA

3:40 PM - 3:50 PM

RNA Sequencing Profiling of Pretransplant Blood Identified Variant Allele Specific Expression of Leukocyte Immunoglobulin-Like Receptors (LILRs) Genes Associated with Graft Loss in Kidney Transplant Recipients

Z. Sun¹, Z. Yi¹, Z. Zhang¹, P. Cravedi¹, M. Menon², B. Murphy¹, S. Chen³, W. Zhang¹, ¹Icahn School of Medicine at Mount Sinai, New York City, NY, ²Yale University School of Medicine, New Heaven, CT, ³Methodist Hospital, Houston, TX

3:50 PM - 4:00 PM

Proteomic Profiling of Bile from Human Livers Undergoing Viability Assessment via Normothermic Machine Perfusion Prior to Transplantation

A. M. Thorne¹, J. C. Wolters², F. Kuipers¹, R. J. Porte¹, V. E. de Meijer¹, ¹University Medical Center Groningen,

4:00 PM - 4:10 PM

Longitudinal Single-Cell Profiling of CD8 T Cells During CMV Viremia in Kidney Transplant Recipients

Y. Sun, S. Sen, H. Pickering, R. Parmar, E. Reed, University of California, Los Angeles, Los Angeles, CA

4:10 PM - 4:20 PM

Crosstalk Between micro-RNAs, mRNAs, and Long Non-Coding RNAs in Human Hepatic Ischemia Reperfusion Injury

C. Kuscu¹, S. Naik¹, C. Eymard², A. Bajwa¹, D. Maluf³, V. Mas³, J. Eason⁴, C. Kuscu¹, ¹Transplant Research Institute, James D. Eason Transplant Institute, Department of Surgery, The University of Tennessee Health Science Center, Memphis, TN, ²James D. Eason Transplant Institute, Department of Surgery, The University of Tennessee Health Science Center, Memphis, TN, ³Surgery, University of Maryland, Baltimore, MD, ⁴University of Tennessee/Methodist Transplant Institute, Memphis, TN

4:20 PM - 4:30 PM

Novel Drug Target Identified for Reversal of Renal Tubular Injury

S. Sur, M. Kerwin, S. Pineda, M. Sarwal, UCSF, San Francisco, CA

4:30 PM - 4:40 PM

Spatially Resolved Molecular Profiling of Endothelial Cells in Antibody-Mediated Kidney Transplant Rejection

M. Melendez-Ferro, D. R. Kelly, M. E. Seifert, UAB School of Medicine, Birmingham, AL

4:40 PM - 4:50 PM

Early Mortality After Liver Transplant is Associated with Pre-Transplant Alterations in Monocyte Phenotype and Gene Expression

L. Jin¹, A. Lemenze², G. Panayotova¹, S. Simonishvili¹, Y. Qin¹, T. Ayorinde¹, G. Prakash¹, L. J. Minze³, F. Paterno¹, L. Brown¹, A. Amin¹, X. C. Li³, R. Ghobrial³, J. V. Guarrera¹, K. E. Lunsford¹, ¹Department of Surgery, Rutgers New Jersey Medical School, Newark, NJ, ²Center for Immunity and Inflammation, Rutgers Biomedical and Health Sciences, Newark, NJ, ³J.C. Walter Jr. Center for Transplantation, Houston Methodist Hospital, Houston, TX

4:50 PM - 5:00 PM

Performance of Race-Independent GFR Estimating Formulas, CKD-EPI₂₀₂₁ and NMR-GFR Post Kidney Transplantation

E. Schiffer¹, F. Stammeler², M. Grassi², E. Schiffer²,
¹Clinical Research, numares Group Corporation, Boston, MA, ²Research and Development, numares AG, Regensburg, Germany

Program Topic: Basic

Antigen Presentation and Costimulation

3:30 PM - 5:00 PM

Moderators:

Martin Oberbarnscheidt, MD, PhD, University of Pittsburgh, Pittsburgh, PA, USA

Naoka Murakami, MD PhD, Brigham and Women's Hospital, Brookline, MA, USA

3:30 PM - 3:40 PM

Local Cognate Antigen in Kidney Allografts Promotes Tissue Resident Memory T Cell Maintenance

R. Tieu¹, Q. Zeng¹, D. Zhao¹, P. Manandhar², A. Williams¹, K. Abou-Daya¹, L. Kane², W. Shlomchik¹, M. Oberbarnscheidt¹, F. Lakkis¹, ¹Starzl Transplantation Institute, Pittsburgh, PA, ²Department of Immunology, University of Pittsburgh, Pittsburgh, PA

3:40 PM - 3:50 PM

Lymphotoxin Beta Receptor Classical NFκB Signaling in Lymphatic Endothelial Cells Drives Treg Tissue Stability

V. Saxena¹, W. Piao¹, L. Li¹, M. W. Shirkey¹, R. Lakhan¹, S. Walden², K. L. Hippen², B. Blazar², J. S. Bromberg¹,
¹University of Maryland School of Medicine, Baltimore, MD, ²University of Minnesota, Minneapolis, MN

3:50 PM - 4:00 PM

P2X7R Signaling Controls Exosome Release by Macrophages and Donor MHC Cross-Dressing After Skin Transplantation

H. H. Lancia¹, N. Carnel², A. G. Lellouch¹, C. Cetrulo¹, G. Benichou², ¹Division of Plastic and Reconstructive Surgery, Massachusetts General Hospital and Harvard Medical School, Boston, MA, ²Center for Transplantation Sciences, Department of Surgery, Massachusetts General Hospital and Harvard Medical School, Boston, MA

4:00 PM - 4:10 PM

Detection of Alloreactive CD8+ T Cell Responses and the Immunopeptidome That Elicits Their Activation

A. B. Morris, X. Zhang, E. V. Peek, A. Hadley, C. Larsen, Emory University, Atlanta, GA

4:10 PM - 4:20 PM

T Cell-Specific CEACAM1 Alleviates Posttransplant Liver Injury via TIM-3 Inhibitory Regulation

H. Kojima, H. Hirao, K. Kadono, T. Ito, K. J. Dery, F. Kaldas, J. Kupiec-Weglinski, UCLA Medical Center, Los Angeles, CA

4:20 PM - 4:30 PM

Perioperative IL-6 Blockade Promotes Intra-Graft Regulation and Prevents Costimulation-Blockade Resistant Rejection

M. Muckenhuber¹, K. Mengrelis¹, A. M. Weijler¹, V. Kainz¹, R. Steiner¹, H. Regele², T. Wekerle¹, ¹Dept. of General Surgery, Div. of Transplantation, Medical University of Vienna, Vienna, Austria, ²Dept. of Pathology, Medical University of Vienna, Vienna, Austria

4:30 PM - 4:40 PM

IL-15 Signaling is Required for the Maintenance of Tissue Resident Memory T Cells in Chronic Allograft Rejection

R. Tieu¹, Q. Zeng¹, D. Zhao¹, A. Williams¹, J. Yun Tso², F. Lakkis¹, J. Yun Tso², ¹Starzl Transplantation Institute, Pittsburgh, PA, ²JN Biosciences, Mountain View, CA

4:40 PM - 4:50 PM

Aquaporin 4 is a Mediator of Essential Dendritic Cell Functions

M. Nicosia¹, A. M. Beavers¹, Y. Yamamoto¹, T. Thompson², T. Zindrick², A. Valujskikh¹, ¹Inflammation and Immunity, Cleveland Clinic, Lerner Research Institute, Cleveland, OH, ²Aeromics, Cleveland, OH

Year in Review

3:30 PM - 5:00 PM

Program Topic: ID

Most Impactful Papers in Transplant ID

3:30 PM - 5:00 PM

Moderators:

Aruna Subramanian, MD, Stanford University, Stanford,

CA, USA
Maricar Malinis, MD, Yale School of Medicine, New Haven, CT, USA

3:30 PM - 3:50 PM
Fungal Infections
Paschalis Vergidis, Mayo Clinic, Rochester, MN, USA

3:50 PM - 4:10 PM
Viral Infections
Atul Humar, MD, MSC, Toronto General Hospital, Toronto, ON, Canada

4:10 PM - 4:30 PM
Bacterial Infection
Sarah Taimur, MD, Mount Sinai Medical Center, New York, NY, USA

4:30 PM - 5:00 PM
Live Q&A

Sponsor Networking

5:00 PM - 5:30 PM

Program Topic: All Topics

Join your fellow colleagues in Exhibit Hall C & D, Level 2 for networking with sponsors. Beverages will be served.

Rapid Fire Oral Abstract Sessions

5:30 PM - 7:00 PM

Program Topic: Kidney

Kidney Living Donor & Paired Exchange

5:30 PM - 7:00 PM
Moderators:
MAdison Cuffy, MD, MBA, University of Cincinnati, Cincinnati, OH, USA
Deborah Adey, M.D., UCSF, San Francisco, CA, USA

5:30 PM - 5:40 PM
Performance of 2021 Creatinine and Cystatin C Based Equations without Race in Living Kidney Transplant Donors

A. Liaqat, H. Sawaf, L. Cholin, S. Arrigain, A. Wee, J. Schold, J. Augustine, E. Poggio, *Cleveland Clinic, Cleveland, OH*

5:40 PM - 5:50 PM
Performance of Updated Estimated Glomerular Filtration Rate Equations in Black Living Kidney Donor Candidates
J. Augustine, A. Liaqat, S. Arrigain, J. Schold, E. Poggio, *Cleveland Clinic, Cleveland, OH*

5:50 PM - 6:00 PM
Donor App Increases Awareness and Overall Rates of Living Kidney Donation
T. Shamaa¹, I. Bajjoka¹, H. Kandalaf¹, R. Prashar², M. Callaghan¹, C. Crombez¹, S. J. Serra¹, M. Abouljoud¹, J. Denny¹, ¹*Transplant and Hepatobiliary Surgery, Henry Ford Transplant Institute, Detroit, MI*, ²*Transplant Nephrology, Henry Ford Transplant Institute, Detroit, MI*

6:00 PM - 6:10 PM
Donor Factors Do Not Discriminate Living Donor Kidney Transplant Outcomes and Should Not Be Used to Promote the Use of Compatible Pairs in Kidney Paired Donation Programs
G. Irish¹, D. Chang², S. Chadban¹, N. Boudville¹, S. Campbell¹, J. Kanellis¹, L. McMichael², E. Sharples³, M. Kadatz², J. Gill², P. Clayton¹, ¹*ANZDATA, Adelaide, Australia*, ²*Providence Health Research Institute, Transplant Research, Vancouver, BC, Canada*, ³*Oxford University Trust Hospital, Oxford, United Kingdom*

6:10 PM - 6:20 PM
Improving Value Delivery in Compatible Living Donor Kidney (CLD) Transplant Through Zero-Low Eplet Mismatch via National Kidney Registry (NKR)
S. Anand¹, J. Sanchez-Garcia¹, W. Stapley¹, J. Browning¹, M. Egbert¹, S. Dow¹, A. Raza¹, T. Srinivas², D. Morris¹, ¹*Intermountain Medical Center, Murray, UT*, ²*CareDX, South San Francisco, CA*

6:20 PM - 6:30 PM
A Decennial Summary of the OPTN Kidney Paired Donation Pilot Program
K. Gauntt¹, A. Toll¹, J. Musick¹, P. Kennealey², J. Kim³, T. Sandholm⁴, **R. Leishman**¹, ¹*United Network For Organ Sharing, Richmond, VA*, ²*University of Colorado Hospital, Aurora, CO*, ³*Keck Medicine of USC, Los Angeles, CA*, ⁴*Carnegie Mellon University, Pittsburgh, PA*

6:30 PM - 6:40 PM

CIAT: A New Kidney Exchange Program with Better Options for Highly Sensitized and Long Waiting Patients

M. d. Klerk¹, J. Kal¹, D. L. Roelen², M. Betjes¹, A. Weerde¹, M. Reinders¹, M. Kho¹, K. Glorie³, J. I. Roodnat¹,
¹Internal Medicine, Erasmus MC Transplant Institute, Rotterdam, Netherlands, ²Immunology, Leids UMC, Netherlands, ³Econometrics, EUR, Rotterdam, Netherlands

6:40 PM - 6:50 PM

Clear Gender Disparity in Living Donor Kidney Transplants

A. C. Gruessner¹, R. Gruessner², ¹Medicine, SUNY Downstate Medical Center, Brooklyn, NY, ²SUNY Downstate Medical University, Brooklyn, NY

6:50 PM - 7:00 PM

Testing an Education Only Intervention to Increase Willingness and Pursuit of Living Donor Kidney Transplantation

J. Loo¹, Y. Leyva¹, E. Croswell², M. Dew², L. Boulware³, L. Myaskovsky¹, ¹University of New Mexico, Albuquerque, NM, ²University of Pittsburgh, Pittsburgh, PA, ³Duke, Durham, NC

Program Topic: Kidney

Recurrent Kidney Disease & Genetics

5:30 PM - 7:00 PM

Moderators:

Nada Alachkar, MD, Johns Hopkins University, Baltimore, MD, USA

Song Ong, MD, University of Alabama at Birmingham, Birmingham, AL, USA

5:30 PM - 5:40 PM

Proteome Profiling of Recurrent Primary Focal Segmental Glomerulosclerosis (FSGS) Plasma Samples Reveals Potential Proteins Involved in Primary FSGS

L. Gallon¹, N. Ahsan², V. Mas³, J. Leventhal¹, L. Fornelli²,
¹Northwestern Univ NMFF, Chicago, IL, ²Mass Spectrometry, Proteomics and Metabolomics Core Facility, Department of Chemistry and Biochemistry, The University of Oklahoma, Oklahoma, OK, ³University of Maryland, Baltimore, MD

5:40 PM - 5:50 PM

Single Nuclei RNA-Sequencing Identifies Distinct Cell Profile in Kidney Allografts with Recurrent Focal Segmental Glomerular Sclerosis (FSGS)

L. Gallon¹, E. Bardhi², J. McDaniels², A. Shetty², P. Hallack¹, C. Kuscu³, C. Kuscu³, T. Rousselle², J. Eason³, D. Maluf², V. Mas², ¹NWU, Chicago, IL, ²University of Maryland, Baltimore, MD, ³UTHSC, Memphis, TN

5:50 PM - 6:00 PM

Recurrence of Membranous Nephropathy After Kidney Transplantation - TANGO Consortium

F. Hullekes¹, A. Uffing¹, L. Riella¹, P. Cravedi², ¹Harvard Medical School, Boston, MA, ²Mount Sinai, New York, NY

6:00 PM - 6:10 PM

Possible Recurrence Must Not Limit Kidney Transplantations for Patients with Focal Segmental Glomerulosclerosis

A. Angeletti, M. Gentile, G. Ghiggeri, M. Bruschi, F. Lugani, G. Caridi, *Istituto Giannina Gaslini, Genova, Italy*

6:10 PM - 6:20 PM

Induction of Tacrolimus Clearance by Steroids Varies by Cyp3a5 Genotype in Kidney Transplant Recipients: A Drug-Drug-Gene Interaction

P. A. Jacobson¹, A. Sagr¹, M. Al-Kofahi¹, D. P. Schladt², W. Guan³, W. S. Oetting¹, R. Mannon⁴, C. R. Dorr⁵, R. P. Remmel¹, G. C. Onyeaghala⁶, B. Wu³, A. K. Israni⁷, A. Matas⁸, ¹Univ of MN, College of Pharmacy, Minneapolis, MN, ²Hennepin Health Research Institute, Minneapolis, MN, ³Univ of MN, Biostatistics, Minneapolis, MN, ⁴Univ of Nebraska, Dept of Medicine, Omaha, NE, ⁵Hennepin Health Research Institute and Dept of Medicine, Minneapolis, MN, ⁶Hennepin Healthcare Research Institute, Minneapolis, MN, ⁷Hennepin Health Dept of Medicine and Univ of MN, Minneapolis, MN, ⁸University of MN, Dept of Surgery, Minneapolis, MN

6:20 PM - 6:30 PM

Recoverability of Diabetic Nephropathy of Donor Kidney After Kidney Transplantation

K. Lee, J. Park, *Samsung Medical Center, Seoul, Korea, Republic of*

6:30 PM - 6:40 PM

A Pathway for Establishing Etiology of Kidney Failure: An Academic Transplant Center's Experience with a Broad Kidney Gene Panel

R. Sodhi¹, K. Brossart², A. Desai¹, D. J. Arwindekar¹, H. Tabriziani², S. Akkina¹, ¹*Loyola University Medical Center, Maywood, IL*, ²*Natera, Inc., Austin, TX*

6:40 PM - 6:50 PM

Protocolized, Broad-Based Renal Genetic Testing in the Management of Patients at a Transplant Center
V. Paramasivam¹, P. Shehzad¹, B. Greco¹, K. Gaj², M. Germain³, ¹*Baystate Medical Center, Springfield, MA*, ²*Natera, Inc., Austin, TX*, ³*Renal Transplant Associates of New England, Springfield, MA*

6:50 PM - 7:00 PM

Single Center Experience of Utilizing Genetic Testing (Renasight) in the Kidney Transplant Setting
Y. A. Qazi, W. Mon, M. Renzu, C. Choi, A. Qazi, M. Smogorzewski, *KECK Medical Center at USC, Los Angeles, CA*

Program Topic: Kidney

Health Equity and Access II

5:30 PM - 7:00 PM

Moderators:

Elisa Gordon, PhD, MPH, Northwestern University
 Feinberg School of Medicine, OAK PARK, IL, USA
Elaine Ku, MD, UCSF, San Francisco, CA, USA

5:30 PM - 5:40 PM

Moving Beyond the Waitlist in Measurement of Access in Kidney Transplantation

L. C. McMichael, D. T. Chang, M. Kadatz, J. Gill,
University of British Columbia, Vancouver, BC, Canada

5:40 PM - 5:50 PM

Does Black Race Modify the Risk of Transplant Failure Associated with HLA Mismatch in First Adult Kidney Allografts from Deceased Donors?

K. Atiemo, *Tulane University, New Orleans, LA*

5:50 PM - 6:00 PM

Very Small Pediatric Donors May Help Address the Sex Disparity in Access to Kidney Transplantation

J. Yu, J. Sageshima, M. Nuño, N. Mineyev, N. Goussous,
R. Perez, *UC Davis Medical Center, Sacramento, CA*

6:00 PM - 6:10 PM

HLA-DQ Mismatches Are More Likely to Be Listed as Unacceptable Antigens After Renal Graft Failure in African American Recipients as Compared to Other Racial/Ethnic Groups

D. Isaacson¹, M. W. Gmeiner², V. Kosmoliaptsis³, J. D. Schold⁴, A. R. Tambur¹, ¹*Northwestern University, Chicago, IL*, ²*London School of Economics, London, United Kingdom*, ³*Cambridge University, Cambridge, United Kingdom*, ⁴*Cleveland Clinic, Cleveland, OH*

6:10 PM - 6:20 PM

Racial Equity in Living Donor Kidney Transplant: Center Variation and Opportunities for Progress

L. M. McElroy, T. Schappe, S. Peskoe, V. Wang, D. Mohottige, C. D. Scales, J. Pendergast, L. Boulware,
Duke University, Durham, NC

6:20 PM - 6:30 PM

Racial Barriers to Kidney Transplant After Listing, 2015 - 2020

W. T. McKinney¹, D. Schladt², J. Miller², T. Weaver², J. Pyke², T. Madhusoodanan³, A. K. Israni¹, ¹*Nephrology, Hennepin Healthcare Research Institute, Minneapolis, MN*, ²*Scientific Registry of Transplant Recipients, Minneapolis, MN*, ³*Nephrology, Hennepin Healthcare, Minneapolis, MN*

6:30 PM - 6:40 PM

Racial and Immunologic Disparities Impact Access to Repeat Kidney Transplantation Among Patients with Previous Failed Kidney Allograft

B. P. Lovasik¹, R. Zhang¹, R. Lynch¹, R. Patzer¹, A. Adams², ¹*Emory University, Atlanta, GA*, ²*University of Minnesota, Minneapolis, MN*

6:40 PM - 6:50 PM

Social Determinants of Health Are Associated with Pre-Emptive Wait Listing and Do Not Fully Account for Racial Gap in Early Access to the Waitlist

A. M. Zehner¹, L. A. Cartwright², T. Mupfudze², T. Wilson², A. Placona², B. Carrico², ¹*Research Department, United Network for Organ Sharing, Richmond, VA*, ²*Research Department, UNOS, Richmond, VA*

6:50 PM - 7:00 PM

Association of Psychosocial Clearance and Race in the Kidney Transplant Evaluation Process

V. S. Valbuena¹, C. Satarino², M. S. Anderson¹, J.



Obayemi¹, T. J. Iwashyna³, R. Sung¹, ¹Department of Surgery, University of Michigan, Ann Arbor, MI, ²Department of Social Work, University of Michigan, Ann Arbor, MI, ³Department of Internal Medicine, University of Michigan, Ann Arbor, MI

A. Pomfret¹, ¹University of Colorado, Aurora, CO, ²University of Colorado, Aurora, CO, ³Childrens Hospital Colorado, Aurora, CO, ⁴University of Colorado Anschutz Medical Campus, Aurora, CO

Program Topic: Liver

Retransplantation and Other Complications

5:30 PM - 7:00 PM

Moderators:

Kiran Dhanireddy, MD, Tampa General Hospital, Tampa, FL, USA

Tsuyoshi Todo, MD, Cedars Sinai Medical Center, Los Angeles, CA, USA

5:30 PM - 5:40 PM

Derivation of a Cardiac Risk Index for Use in Liver Transplantation for Non-Alcoholic Steatohepatitis

P. Levy, C. Harrington, E. Cabrera, J. Gao, D. Gregory, C. Padilla, G. Crespo, L. VanWagner, *Northwestern Memorial Hospital, Chicago, IL*

5:40 PM - 5:50 PM

Normothermic Machine Perfusion (NMP) Improves Access to Transplantation for Late Liver Re-Transplant Candidates

D. Sneider¹, H. Lembach¹, A. Hann¹, A. Nutu¹, J. Hodson¹, J. Isaac¹, R. Taylor², M. Armstrong¹, T. Perera¹, H. Hermien¹, ¹Queen Elizabeth Hospital, Birmingham, United Kingdom, ²NHS Blood and Transplant, Bristol, United Kingdom

5:50 PM - 6:00 PM

Evolution of Pretransplant Cardiac Risk Factor Burden and Major Adverse Cardiovascular Events in Liver Transplant Recipients Over Time

C. Harrington, P. Levy, E. Cabrera, J. Gao, D. Gregory, C. Padilla, G. Crespo, L. VanWagner, *Northwestern Medicine, Chicago, IL*

6:00 PM - 6:10 PM

Fibrinolysis Shutdown Subtype of Early Allograft Dysfunction Represents the Predominant Cohort of Patients with Graft Failure Following Liver Transplantation

H. B. Moore¹, T. L. Nydam², M. Adams³, T. Ferrell¹, I. Rodriguez⁴, D. Yoeli¹, R. Choudhury¹, J. Pomposelli¹, E.

6:10 PM - 6:20 PM

Tracheostomy After Liver Transplantation: Utility and Impact

D. Noguchi, V. M. Nguyen, C. J. Rosenthal, V. G. Agopian, D. G. Farmer, F. M. Kaldas, *Liver and Pancreas Transplant Center, UCLA, Los Angeles, CA*

6:20 PM - 6:30 PM

Outcomes Following Liver Re-Transplantation for Delayed Graft Loss in Recipients of Donation After Circulatory Death Allografts in the United States

S. Kumar¹, S. Lin², J. D. Schold³, ¹Digestive Disease Institute, Cleveland Clinic Abu Dhabi, Abu Dhabi, United Arab Emirates, ²Department of Quantitative Health Sciences, Cleveland Clinic Foundation, Cleveland, OH, ³Center for Populations Health Research, Cleveland Clinic Foundation, Cleveland, OH

6:30 PM - 6:40 PM

Characterization of ICU Delirium Among Liver Transplant Recipients

J. M. Ruck, K. Neufeld, E. Oh, J. C. Lai, E. King, *Johns Hopkins University School of Medicine, Baltimore, MD*

6:40 PM - 6:50 PM

Acute Cellular Rejection in Liver Transplant Recipients Following Vaccination Against Covid-19

R. Sarwar¹, O. Adeyi², N. Lim¹, ¹Division of Gastroenterology, Hepatology and Nutrition, University of Minnesota, Minneapolis, MN, ²Department of Laboratory Medicine and Pathology, University of Minnesota, Minneapolis, MN

Program Topic: Pharmacy

Non-Organ Specific: Pharmacokinetics / Pharmacogenomics / Drug interactions

5:30 PM - 7:00 PM

Moderators:

Patty West-Thielke, PharmD, Transplant Genomics, Chicago, IL, USA

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

5:30 PM - 5:40 PM

No Grapefruit Juice Interaction with Tacrolimus LCP in Kidney Transplant Recipients

J. Kerr¹, Y. Sepulveda², M. Shah³, A. Khan⁴, J. D. Momper², S. Tsunoda², ¹Center for Transplantation, UC San Diego Health, San Diego, CA, ²UCSD Skaggs School of Pharmacy and Pharmaceutical Sciences, San Diego, CA, ³Nephrology, UC San Diego Health, San Diego, CA, ⁴UCSD Center for Transplantation, San Diego, CA

5:40 PM - 5:50 PM

Tacrolimus Exposure Estimation in Stable Kidney Transplant Recipients Using Maximum A Posteriori Bayesian Approach

T. Nguyen¹, N. M. Smith¹, K. Attwood², B. Murray³, K. Tornatore-Morse¹, ¹University at Buffalo School of Pharmacy and Pharmaceutical Sciences, Buffalo, NY, ²School of Public Health; University at Buffalo, Buffalo, NY, ³Erie County Medical Center; School of Medicine/UB, Buffalo, NY

5:50 PM - 6:00 PM

Reduced Enterohepatic Recirculation of Mycophenolate and Lower Blood Concentrations Are Associated with the Stool Bacterial Microbiome

P. A. Jacobson¹, A. Saqr¹, B. Carlson¹, C. Staley², A. Rashidi³, S. Holtan³, M. Al-Kofahi¹, T. Kaiser², M. MacMillan⁴, J. Young⁵, N. El Jurdi³, D. Weisdorf³, A. Khoruts⁶, ¹Univ of MN, College of Pharmacy, Minneapolis, MN, ²Univ of MN, Dept of Surgery, Minneapolis, MN, ³Univ of MN, Division of Heme/Onc Transplant, Minneapolis, MN, ⁴Univ of MN, Pediatric Heme/Onc Transplant, Minneapolis, MN, ⁵Univ of MN, Division of Infectious Diseases, Minneapolis, MN, ⁶Univ of MN, Division of Gastroenterology, Hepatology and Nutrition, Minneapolis, MN

6:00 PM - 6:10 PM

Impact of Cyp 3a5 Genotype on Lcp Tacrolimus Dosing and Monitoring in Kidney Transplantation

D. J. Taber, T. Carcella, N. Patel, F. Bartlett, A. Posadas, V. Rao, M. Casey, V. Rohan, D. Dubay, D. Taber, *Med Univ of South Carolina, Charleston, SC*

6:10 PM - 6:20 PM

The Impact of Tacrolimus Trough Variability on Acute Rejection Following Lung Transplantation

K. Evans¹, K. Beermann¹, H. Lee², M. Harris¹, C. W. Frankel³, H. Berry¹, H. Ali³, ¹Pharmacy, Duke Health, Durham, NC, ²Biostatistics and Bioinformatics, Duke University, Durham, NC, ³Pulmonary, Allergy, and Critical Care, Duke Health, Durham, NC

6:20 PM - 6:30 PM

Predicted Performance of Bayesian-Based Precision Dosing Software for Tacrolimus

A. Seghezze¹, J. Kerr¹, A. Gupta², A. Ta², L. Powell², A. Feist³, ¹University of California San Diego Health, San Diego, CA, ²PrecisePK, San Diego, CA, ³UCSD Skaggs School of Pharmacy and Pharmaceutical Sciences, San Diego, CA

6:30 PM - 6:40 PM

Evaluation of Crushed Posaconazole Delayed Release Tablets in Lung Transplant Recipients

R. Gordon¹, K. Dewey¹, R. Jariwala¹, B. Yen¹, J. Kukreja², S. Hays², J. Singer², R. Florez¹, ¹Department of Clinical Pharmacy, University of California, San Francisco, San Francisco, CA, ²University of California, San Francisco, San Francisco, CA

6:40 PM - 6:50 PM

Conversion of Tacrolimus Immediate Release to LCP Tacrolimus in Obese Kidney Transplant Recipients

J. Newman, N. Patel, S. Patel, T. Sprague, E. Andrade, N. Rao, F. Bartlett, D. DuBay, V. Rohan, M. Casey, D. Taber, *MUSC, Charleston, SC*

6:50 PM - 7:00 PM

Tacrolimus and Mycophenolic Acid Therapeutic Exposure Targets in Black and White Kidney Transplant Recipients

K. Tornatore¹, K. Attwood¹, S. Chang¹, A. Gundroo², B. Murray¹, ¹Univeristy at Buffalo/SUNY, Buffalo, NY, ²Ohio State Medical Center, Columbus, OH

Program Topic: Organ Inclusive

Machine Learning, Artificial Intelligence and Social Media in Transplantation

5:30 PM - 7:00 PM

Moderators:



Titte Srinivas, MD, CareDx, Inc., Omaha, NE, USA
Gonzalo Sapisochin, MD, PhD, MSc, Toronto General Hospital, Toronto, ON, Canada

5:30 PM - 5:40 PM

Development of a Comprehensive Banff Automation System for Kidney Allograft Precision Diagnostics

D. Yoo¹, J. Gueguen¹, G. Divard¹, M. Raynaud¹, V. Goutaudier¹, M. Rabant¹, M. Haas², M. Mengel³, O. Aubert¹, A. Loupy¹, ¹Paris Transplant Group, Paris, France, ²Cedars-Sinai Medical Center, Dept. of Pathology, West Hollywood, CA, ³University of Alberta, Edmonton, AB, Canada

5:40 PM - 5:50 PM

Development and Validation of a Machine Learning Based Virtual Biopsy System in Kidney Transplant Patients

D. Yoo¹, G. Divard¹, M. Raynaud¹, A. Bentall², M. Stegall³, M. Naesens⁴, I. Batal⁵, S. Coley⁶, J. Gill⁷, M. Mengel⁸, L. Cornell³, M. P. Alexander², T. Coates⁹, C. Legendre¹⁰, P. Reese¹¹, c. Iefaucheur¹², O. Aubert¹, A. Loupy¹, ¹Paris Transplant Group, Paris, France, ²-, -, AL, ³Mayo Clinic, Rochester, MN, ⁴Microbiology, Immunology and Transplantation, KU Leuven, Leuven, Belgium, ⁵Columbia University Medical Center, Scarsdale, NY, ⁶Columbia University, New York, NY, ⁷University of British Columbia, Vancouver, BC, Canada, ⁸University of Alberta, Edmonton, AB, Canada, ⁹University of Adelaide, Adelaide, Australia, ¹⁰Hopital Necker, Paris, France, ¹¹University of Pennsylvania, Philadelphia, PA, ¹²Hôpital Saint-Louis, Paris, France

5:50 PM - 6:00 PM

A Machine Learning Model for Predicting Antibody Response to 2-Dose Sars-cov-2 mRNA Vaccine Series in Transplant Recipients

J. L. Alejo¹, J. Mitchell¹, T. Chiang¹, A. Abedon¹, W. Werbel¹, R. Avery¹, A. Tobian¹, A. Massie¹, J. Garonzik-Wang², D. Segev¹, S. Bae¹, ¹JHU, Baltimore, MD, ²U of Wisconsin, Madison, WI

6:00 PM - 6:10 PM

Predicting Long Term Kidney-Allograft Failure: Machine Learning vs Traditional Statistical Models

A. Truchot¹, M. Raynaud¹, c. Iefaucheur², O. Aubert¹, A. Loupy¹, ¹Paris Transplant Group, Paris, France, ²Hôpital Saint-Louis, Paris, France

6:10 PM - 6:20 PM

A Machine Learning Approach to Estimating Anticipated Waiting Time and Survival Benefit in Older Kidney Transplant Candidates

D. M. Vock¹, E. S. Helgeson², A. J. Matas², ¹University of Minnesota, Minneapolis, MN, ²U MN, Mpls, MN

6:20 PM - 6:30 PM

Artificial Intelligence Based Dosing of Tacrolimus in Liver Transplantation: Prospective, Randomized Phase 2 Trial

A. Zarrinpar¹, C. Ho², C. Warren¹, J. Khong², M. Lee², S. Duarte¹, K. Andreoni¹, M. Johnson¹, N. Battula³, D. McKimmy¹, T. Beduschi¹, ¹Surgery, University of Florida, Gainesville, FL, ²Mechanical and Aerospace Engineering, University of California, Los Angeles, CA, ³Surgery, University of Oklahoma, Oklahoma City, OK

6:30 PM - 6:40 PM

DonorNet Procurement Photos and Their Association with Kidney Utilization

M. Stuart¹, A. M. Placona¹, C. Martinez¹, K. Andreoni², ¹United Network for Organ Sharing, Richmond, VA, ²University Hospitals, Case Western University, Cleveland, OH

6:40 PM - 6:50 PM

The Association Between Renal Anatomy Data and Kidney Utilization

A. M. Placona, C. Martinez, K. McCharen, B. Shean, M. Stuart, United Network for Organ Sharing, Richmond, VA

6:50 PM - 7:00 PM

Augmented Reality in Hand-Assisted Retroperitoneal Donor Nephrectomy - Procedure Step Adjusted Evaluation for the Surgeons' Benefits

R. Wahba¹, L. Krames², J. Hogervorst³, R. R. Datta¹, M. N. Thomas¹, P. Suppa³, D. L. Stippel¹, ¹Department of General, Visceral, Cancer and Transplantation Surgery, Faculty of Medicine and University Hospital of Cologne, University of Cologne, Köln, Germany, ²Karlsruhe Institute of Technology, Institute of Biomedical Engineering (IBT), Karlsruhe, Germany, ³Olympus Surgical Technologies Europe, Hamburg, Germany

Program Topic: ID

Kidney Transplant Infections

5:30 PM - 7:00 PM

Moderators:

Ghady Haidar, MD, University of Pittsburgh Medical Center, Pittsburgh, PA, USA

Paschalis Vergidis, MD, MSc, Mayo Clinic Transplant Center, Rochester, MN, USA

5:30 PM - 5:40 PM

Blood Transcriptomes of Covid-19 Infected Kidney Recipients Demonstrate Frequent and Persistent Sars-cov-2 Virome Gene Expression

Z. Sun¹, M. M. Rana², A. C. Reghuvaran³, Y. A. Azzi⁴, G. Carrara⁵, S. Hartzell⁶, S. Kulkarni³, W. Zhang⁶, K. Banu³, P. Heeger⁶, E. Akalin⁴, P. Cravedi⁶, Z. Zhang⁷, M. C. Menon³, ¹Nephrology, Department of Medicine, Icahn School of Medicine at Mount Sinai, New York, NY, ²Infectious Disease Director, Icahn School of Medicine at Mount Sinai, New York, NY, ³Nephrology, Yale University, New Haven, CT, ⁴Nephrology, Montefiore Medical Center, New York, NY, ⁵Clinical Research Coordinator, Icahn School of Medicine at Mount Sinai, New York, NY, ⁶Icahn School of Medicine at Mount Sinai, New York, NY, ⁷Department of Genetics and Genomic Sciences, Icahn School of Medicine at Mount Sinai, New York, NY

5:40 PM - 5:50 PM

Kidney Transplantation Utilizing SARS-CoV-2 Rt-PCR Positive Donor Kidneys with Immediate Post Exposure Casirivimab /Imdevimab Followed by Thymoglobulin Induction

S. K. Patel¹, E. Siskind¹, M. Laftavi¹, J. Splinter¹, E. Shipman², S. Shah¹, S. Nijim¹, A. Adekile¹, S. Asad¹, ¹Center for Transplantation, University Medical Center of Southern Nevada, Las Vegas, NV, ²Nevada Donor Network, Las Vegas, NV

5:50 PM - 6:00 PM

Evolution of Cellular and Humoral Immunity During and After a Three Doses-Course of mRNA-1273 COVID-19 Vaccine in Kidney Transplant Recipients

D. Cucchiari¹, N. Egri¹, J. Casals-Urquiza², J. Del Risco-Zevallos¹, D. Rodríguez-Espinosa³, E. Montagud-Marrahi², J. Rovira⁴, M. Ramirez-Bajo⁵, E. Banón-

Maneus⁵, P. Ventura-Aguiar², M. Pascal¹, I. Revuelta⁶, B. Bayès², F. Diekmann², ¹Hospital Clínic de Barcelona, Barcelona, Spain, ²Hospital Clínic de Barcelona, Barcelona, Spain, ³Nephrology and Renal Transplantation, Hospital Clínic de Barcelona, Barcelona, Spain, ⁴Laboratori Experimental de Nefrologia i Trasplantament (LENIT), IDIBAPS, Barcelona, Spain, ⁵IDIBAPS, Barcelona, Spain, ⁶Department of Nephrology and Kidney Transplant, Hospital Clínic, Barcelona, Spain

6:00 PM - 6:10 PM

T and B Cell Response to 3 Dose Covid Vaccine Series for Kidney Transplant Patients on Belatacept

J. Christensen¹, I. Yakubu², D. Kumar¹, D. Cornett³, M. A. Miller³, M. Altrich³, L. Flebbe-Rehwaltd³, R. Thompson¹, G. Gupta¹, ¹Internal Medicine, Transplant Nephrology, VCUHealth, Richmond, VA, ²Pharmacy, VCUHealth, Richmond, VA, ³Eurofins Viracor, Lee's Summit, MO

6:10 PM - 6:20 PM

A Multi-Center Study Assessing the Association of Frailty with Infection in Kidney Transplant Recipients

M. Malinis¹, M. Abidi², E. Benamu², N. Jakharia³, N. Law⁴, R. Sigler⁴, R. Nog⁵, S. Olivier⁵, S. Taimur⁶, N. Theodoropoulos⁷, J. Schaenman⁸, ¹Yale University School of Medicine, New Haven, CT, ²University of CO, Aurora, CO, ³Stanford, Palo Alto, CA, ⁴UCSD, San Diego, CA, ⁵Westchester Med Ctr, Westchester, NY, ⁶Mount Sinai SOM, New York, NY, ⁷Univ of MA, Worcester, MA, ⁸UCLA, Los Angeles, CA

6:20 PM - 6:30 PM

Predicting Urinary Tract Infections Requiring Hospitalization in Living Donor Kidney Transplant Recipients

A. Dinh, T. Copeland, D. Adey, E. Ku, UCSF, San Francisco, CA

6:30 PM - 6:40 PM

Longitudinal Characterization of the Microvirome in a Cohort of Renal Transplant Recipients

A. C. Johnson, G. Karadkhele, C. P. Larsen, Emory University, Atlanta, GA

6:40 PM - 6:50 PM

Metagenomic Next-Generation Sequencing Reveals the Profile of Viral Infections in Kidney Transplant Recipients During the Covid-19 Pandemic

X. Tian, W. Duan, C. Zhang, X. Wu, T. Yan, Henan

Province People's Hospital, Zhengzhou, Henan Province, China

Program Topic: ID

Viral Hepatitis

5:30 PM - 7:00 PM

Moderators:

Theresa Madigan, MD, Mayo Clinic, Rochester, MN, USA

Alfred Luk, M.D., Tulane University, New Orleans, LA, USA

5:30 PM - 5:40 PM

Current State of Use of Hepatitis C Viremic Donor Organs in Negative Recipients in the United States: A National Survey

K. Ryland¹, **K. Hattori²**, **J. Steinbrink³**, **N. Theodoropoulos⁴**, **M. Ison⁵**, ¹Mayo Clinic, Jacksonville, FL, ²Duke university hospital, Durham, NC, ³Duke University, Durham, NC, ⁴University of Massachusetts Medical School, Worcester, MA, ⁵Northwestern University Comprehensive Transplant Center, Chicago, IL

5:40 PM - 5:50 PM

Expanded Experience with Ultra-Short Duration Pangenotypic Direct Acting Anti-Viral (DAA) Prophylaxis to Prevent Virus Transmission from Hepatitis C Viremic (HCV) Donors to Hepatitis C Negative Kidney Transplant Recipients (KT)

I. Yakubu, **D. Kumar**, **A. Sharma**, **M. Levy**, **L. Kamal**, **G. Gupta**, Virginia Commonwealth University, Richmond, VA

5:50 PM - 6:00 PM

Decision-Making Among HCV-Negative Transplant Candidates Offered Organs from Donors with HCV Infection

E. Schnellinger¹, **E. Saine¹**, **M. Liu¹**, **J. Diamond¹**, **M. Crespo¹**, **S. Prenner¹**, **V. Potluri¹**, **C. Bermudez¹**, **H. Mentch¹**, **M. Moore²**, **B. Besharatian¹**, **D. Goldberg³**, **F. Barg¹**, **P. Reese¹**, ¹University of Pennsylvania, Philadelphia, PA, ²University of London, London, United Kingdom, ³University of Miami, Miami, FL

6:00 PM - 6:10 PM

Evaluation of Hepatitis C Positive Donor to Hepatitis C Negative Recipient Kidney Transplant in a Highly

Sensitized Patient Population

A. T. Iaria, **M. Martin**, **A. Hietpas**, **I. Tang**, **S. Koppe**, **I. Tzvetanov**, **E. Benedetti**, **C. Muran**, University of Illinois at Chicago, Chicago, IL

6:10 PM - 6:20 PM

National Consortium Registry Insights on Management and Outcome of Hepatitis C Viremic Heart Transplants

R. Gottlieb¹, **M. Salem¹**, **A. Ravichandran²**, **J. Kennedy³**, **J. Strobe⁴**, **S. Lin⁵**, **J. Chow⁶**, **P. Eckman⁷**, **S. Desai⁸**, **O. Larkins¹**, **J. Vanzyl¹**, **S. Hall¹**, ¹Baylor Scott & White Healthcare, Dallas, TX, ²Ascension Medical Group, Indianapolis, IN, ³Inova Heart and Vascular Institute, Falls Church, VA, ⁴Medical University of South Carolina, Charleston, SC, ⁵University of Washington Medical Center, Seattle, WA, ⁶Tufts Medical Center, Boston, MA, ⁷Minneapolis Heart Institute, Minneapolis, MN, ⁸Ochsner Medical Center, New Orleans, LA

6:20 PM - 6:30 PM

Hypothermic Pulsatile Flush of Hepatitis C Virus (HCV) RNA Positive Kidney Reduces Viral Load

A. Jain¹, **W. Greene²**, ¹Transplant Surgery, Penn State Health Milton S. Hershey Medical Center, Hershey, PA, ²Dept. of Pathology, Penn State Health Milton S. Hershey Medical Center, Hershey, PA

6:30 PM - 6:40 PM

Variable Course of Hepatitis A Virus Infection in Solid Organ Transplant Recipients

A. Vostal¹, **J. Husson²**, **A. Shishido¹**, **N. Jakhete³**, **E. Moore⁴**, **X. Wen⁵**, **A. Amoroso²**, **R. Meier⁶**, **E. Wilson²**, **K. K. Saharia²**, ¹Div. of Infectious Diseases, Univ. of Maryland Medical Center, Baltimore, MD, ²Div. of Infectious Diseases, Univ. of Maryland School of Medicine and Institute of Human Virology, Baltimore, MD, ³Div. of Hepatology, Univ. of Maryland School of Medicine, Baltimore, MD, ⁴Dept of Surgery, Brooklyn Hospital Center, Brooklyn, NY, ⁵Dept. of Surgery, Univ. of Florida, Gainesville, FL, ⁶Dept. of Surgery, Univ. of Maryland School of Medicine, Baltimore, MD

6:40 PM - 6:50 PM

Management of Hepatitis B Positive Donors in Liver Transplant

M. Tilley¹, **T. A. Sparkman²**, **K. Gutierrez²**, ¹Pharmacy, UAB, Birmingham, AL, ²UAB, Birmingham, AL

6:50 PM - 7:00 PM

Safety and Efficacy at 4 Years in Post-Liver Transplant Patients with Chronic Kidney Disease Receiving Tenofovir Alafenamide (TAF) for HBV Prophylaxis

E. Gane¹, B. George¹, D. Ray-Chaudhuri¹, T. Mules¹, C. D. Holt², H. Wang², V. Suri², A. Gaggar², A. Osinusi², J. Flaherty², ¹Auckland City Hospital and University of Auckland, Auckland, New Zealand, ²Gilead Sciences, Inc., Foster City, CA

Program Topic: Basic

Biomarkers: Clinical Outcomes II

5:30 PM - 7:00 PM

Moderators:

Devin Eckhoff, Professor of Surgery Harvard Medical School, Beth Israel Deaconess Medical Center/Harvard Medical School, Boston, MA, USA

Kassem Safa, MD, Mass General Hospital, Boston, MA, USA

5:30 PM - 5:40 PM

Donor-Derived Cell-Free DNA Across the Spectrum of Solid Organ Transplantation

S. R. Potter¹, J. Miles², K. Qu², R. Woodward², S. Dholakia², ¹Baylor Scott & White Health, Temple, TX, ²CareDx, Inc, Brisbane, CA

5:40 PM - 5:50 PM

Development and Validation of an Integrative DD-CFDNA System to Predict Allograft Rejection: A Population Based Study

O. Aubert, R. Brousse, J. Gueguen, M. Racape, C. Lefaucheur, A. Loupy, *Paris Translational Center for Organ Transplantation, Paris, France*

5:50 PM - 6:00 PM

HLA-Specific IgD/CD27 Double Negative B Cell Frequency Assessed by a Novel Multiplex Bead-Based Assay Predicts Rejection in Kidney Transplant Recipients

Z. Ilyas¹, A. Akl², D. Pinelli¹, L. Gallon³, A. Tambur¹, M. Ansari⁴, ¹Northwestern University, Chicago, IL, ²Dr. Soliman Fakeeh Hospital, Jeddah, Saudi Arabia, ³Northwestern Univ NMFF, Chicago, IL, ⁴Medicine, Northwestern University, Chicago, IL

6:00 PM - 6:10 PM

Enhanced Histological Yield and Actionable Findings When Biopsy is Guided by Donor-Derived Cell-Free DNA (dd-cfDNA)

M. R. Weir¹, D. Mandelbrot², J. S. Bromberg¹, S. Mehta³, E. Poggio⁴, E. Huang⁵, G. Shekhtman⁶, N. Agrawal⁷, W. Tian⁸, M. Cooper⁹, ¹University of Maryland School of Medicine, Baltimore, MD, ²University of Wisconsin, Madison, WI, ³University of Alabama, Birmingham, AL, ⁴Cleveland Clinic, Cleveland, OH, ⁵Cedars-Sinai Medical Center, Los Angeles, CA, ⁶CareDx Inc., Brisbane, CA, ⁷CareDx Inc, Brisbane, CA, ⁸CareDx, Brisbane, CA, ⁹MedStar Georgetown Transplant Institute, Washington, DC

6:10 PM - 6:20 PM

Urinary Cell CTOT-04 Signature is Diagnostic of Glomerulitis in Kidney Allograft Biopsies

T. Salinas¹, C. Li¹, C. Snopkowski¹, K. Chen¹, S. Albakry¹, S. Salvatore², S. Seshan², J. R. Lee¹, M. Thangamani¹, D. Dadhania¹, M. Suthanthiran¹, ¹Nephrology, Weill Cornell-NYPH, New York, NY, ²Pathology, Weill Cornell-NYPH, New York, NY

6:20 PM - 6:30 PM

Association of Trugraf GEP with Clinical and Histological Outcomes in a Multicenter Cohort (TOGETHER Study)

R. Heilman¹, W. Park², M. Mai³, B. Smith², R. First⁴, J. Fleming⁴, P. West-Thielke⁴, J. Holman⁴, M. Stegall², ¹Mayo Clinic, Phoenix, AZ, ²Mayo Clinic, Rochester, MN, ³Mayo Clinic, Jacksonville, FL, ⁴Transplant Genomics, Framingham, MA

6:30 PM - 6:40 PM

Hepatocyte Notch1 Regulates Autophagy/DR5 Axis and Inhibits Cell Death in Mouse and Human Liver Transplantation

H. Hirao, K. Kadono, H. Kojima, K. J. Dery, D. G. Farmer, F. M. Kaldas, B. Ke, J. Kupiec-Weglinski, *UCLA, Los Angeles, CA*

6:40 PM - 6:50 PM

Tracking of Donor Reactive T Cell Clones Can Be Used to Diagnose or Even Predict Kidney Transplant Rejection

J. M. Mathew¹, Y. Sambandam¹, M. Kandpal¹, J. He¹, G. Perottino¹, B. Banbury², P. Fields², L. Gallon¹, J. R. Leventhal¹, ¹Northwestern University, Chicago, IL, ²Adaptive Biotechnologies, Seattle, WA

6:50 PM - 7:00 PM

A Comparison of Vibration Controlled Transient Elastography, FAST, AGILE-3 and AGILE-4 Scores in Liver Transplant Recipients

T. Arshad¹, M. Tseng², B. Anh³, T. Syed⁴, A. Miller⁵, V. Patel⁴, A. Asgharpour⁴, I. O. Michael⁶, S. Patel⁵, M. Muthiah⁷, M. S. Siddiqui⁴, ¹Department of Internal Medicine, VCU, Richmond, VA, ²Internal Medicine, VCU, Richmond, VA, ³Department of Statistical Sciences & Operations Research, VCU, Richmond, VA, ⁴Division of Gastroenterology and Hepatology, VCU, Richmond, VA, ⁵VCU, Richmond, VA, ⁶Department of Pathology, VCU, Richmond, VA, ⁷National University of Singapore, Singapore, Singapore

Program Topic: Basic

Chronic Organ Rejection

5:30 PM - 7:00 PM

Moderators:

Thalachallour Mohanakumar, PhD, St. Joseph's Hospital and Medical Center/Norton Thoracic Institute, Phoenix, AZ, USA

Zheng (Jenny) Zhang, M.D., Northwestern University, Chicago, IL, USA

5:30 PM - 5:40 PM

TEMRA CD8 T Cells from Kidney Transplant Recipients Exhibit Enhanced Purinergic P2x4 Receptor-Dependent Proinflammatory and Migratory Responses

G. Tilly¹, T. Doan-Ngoc¹, O. Bonizec¹, C. Masset², R. Danger³, P. Guérif¹, S. Bruneau¹, J. Harb¹, M. Giral¹, C. Pecqueur⁴, S. Brouard¹, N. Degauque¹, ¹Nantes Université, CHU Nantes, Inserm, Centre de Recherche en Transplantation et Immunologie, UMR 1064, ITUN, Nantes, France, ²University Hospital of Nantes, Nantes, France, ³CRTI- INSERM UMR 1064, Nantes, France, ⁴Nantes Université, Univ Angers, INSERM, CNRS, CRCINA, F-44000 Nantes, Nantes, France

5:40 PM - 5:50 PM

Iguratimod Alleviates Endothelial to Mesenchymal Transition by Inducing AMBRA1/PARKIN-Dependent Mitophagy and Inhibiting NLRP3 Activation During Renal Allograft Interstitial Fibrosis

Z. Gui¹, W. Zijie², M. Zheng³, R. Tan³, M. Gu⁴, ¹Department of Urology, The Second Affiliated Hospital

with Nanjing Medical University, Nanjing, China, ²Jiangsu Province Hospital, Nanjing, China, ³Department of Urology, the First Affiliated Hospital with Nanjing Medical University, Nanjing, China, ⁴Department of Urology, the Second Affiliated Hospital with Nanjing Medical University, Nanjing, China

5:50 PM - 6:00 PM

Microvascular Inflammation in Kidney Transplant Biopsies in the Absence of HLA-DSA Displays Intense Cytotoxic T-cell and NK Cell but Not Plasma Cell Infiltration

A. Buxeda¹, L. Llinàs-Mallol¹, J. Gimeno², D. Redondo-Pachón¹, C. Arias-Cabrales¹, C. Burballa¹, A. Puche², M. Pérez-Sáez¹, J. Pascual³, M. Crespo¹, ¹Nephrology Department, Hospital del Mar, Institute Mar for Medical Research (IMIM), Barcelona, Spain, ²Pathology Department, Hospital del Mar, Institute Mar for Medical Research (IMIM), Barcelona, Spain, ³Nephrology Department, Hospital Universitario 12 de Octubre, Institute Mar for Medical Research (IMIM), Madrid, Spain

6:00 PM - 6:10 PM

Strada Deficiency Results in Inhibition of Tumor Suppressor Gene Liver Kinase B1 Resulting in Epithelial Mesenchymal Transition Leading to Chronic Murine Lung Allograft Rejection

M. Rahman, S. Bansal, R. Ravichandran, A. Sureshbabu, W. Lie, S. Perincheri, M. Smith, R. Bremner, T. Mohanakumar, St. Joseph's Hospital and Medical Center, Phoenix, AZ

6:10 PM - 6:20 PM

One Nuclei at a Time: Decoding Kidney Allograft Fibrosis by Single Nuclei RNA-Sequencing

J. McDaniels¹, A. Shetty¹, C. Kuscu², C. Kuscu², E. Bhardi¹, T. Rousselle¹, C. Drachenberg³, M. Talwar⁴, J. Eason⁵, T. Muthukumar⁶, D. Maluf¹, V. Mas¹, ¹University of Maryland, Baltimore, Baltimore, MD, ²University of Tennessee Health Science Center, Memphis, TN, ³University of Maryland, Baltimore, MD, ⁴UTHSC, Memphis, TN, ⁵University of Tennessee/Methodist Transplant Institute, Memphis, TN, ⁶Weill Cornell Medicine, New York, NY

6:20 PM - 6:30 PM

B and Plasma Cell Populations Drive Chronic Rejection After Lung Transplantation

M. Bueno¹, N. F. Smirnova², K. Riemondy³, P. Suresh¹,

M. Brown¹, X. Wang¹, S. Collins⁴, J. Sembrat¹, M. Koenigshoff¹, M. Snyder¹, J. McDyer¹, O. Eickelberg¹,
¹Pulmonary and Critical Care Medicine, University of Pittsburgh, Pittsburgh, PA, ²I2MC, INSERM UMR1297, Toulouse, France, ³Biochemistry and Molecular Genetics, University of Colorado School of Medicine, Aurora, CO, ⁴Pulmonary Sciences and Critical Care Medicine, University of Colorado School of Medicine, Aurora, CO

6:30 PM - 6:40 PM

Mitochondrial Dysfunction and Alloimmunity in Chronic Lung Transplant Rejection

M. Cano¹, D. Zhou², C. Chen³, K. Pugh⁴, D. Byers¹, D. Kreisel⁵, R. Hachem¹, A. Gelman⁵, ¹Pulmonary and Critical Care, Washington University, Saint Louis, MO, ²Surgery, Washington University, Saint Louis, MO, ³Pulmonary and Critical Care, UT Southwestern Medical Center, Dallas, TX, ⁴Cell and Developmental Biology, University of Michigan, Ann Arbor, MI, ⁵Surgery and Immunology and Pathology, Washington University, Saint Louis, MO

6:40 PM - 6:50 PM

Everolimus Alleviates Renal Allograft Interstitial Fibrosis by Inhibiting Epithelial to Mesenchymal Transition Not Only via Inducing Autophagy but Also via Stabilizing κ B- α

Z. Gui¹, W. Zijie², M. Zheng³, M. Gu¹, R. Tan³,
¹Department of Urology, The Second Affiliated Hospital with Nanjing Medical University, Nanjing, China, ²Jiangsu Province Hospital, Nanjing, China, ³Department of Urology, The First Affiliated Hospital with Nanjing Medical University, Nanjing, China

6:50 PM - 7:00 PM

Rejection After Liver Transplantation: What Can We Learn from Transcriptomic Analysis?

H. J. Braun¹, D. Amara², A. Zarinsefat¹, G. Szabo¹, Z. Laszik¹, P. Stock¹, N. Ascher¹, ¹University of California, San Francisco, San Francisco, CA, ²UCLA, Los Angeles, CA

Program Topic: Basic

Tregs and Tolerance

5:30 PM - 7:00 PM

Moderators:

Joseph Leventhal, MD, PhD, FACS, Northwestern Medicine, Chicago, IL, USA

Tatiana Akimova, MD, PhD, University of Pennsylvania, Philadelphia, PA, USA

5:30 PM - 5:40 PM

Synergistic Effect of CXCR5⁺CD8⁺ T_{Ab-supp} Cell Adoptive Cell Therapy and mTOR Inhibition (but Not Calcineurin Inhibition) in Suppressing Alloantibody Following Kidney Transplant in Mice

J. L. Han¹, J. M. Zimmerer¹, Q. Zeng², S. Chaudhari¹, C. K. Breuer², G. L. Bumgardner¹, ¹Dept. of Surgery, The Ohio State University, Columbus, OH, ²Center for Regen. Med., The Research Institute at Nationwide Children's Hospital, Columbus, OH

5:40 PM - 5:50 PM

Alloreactive Regulatory T Cells Release Distinct Subpopulations of Extracellular Vesicles Bearing Immune Regulatory Proteins and the TCR/CD3 Complex Under Antigen Specific Stimulation

B. Schreiber, S. Tripathi, A. Sonawane, M. Blaser, S. Kuraoka, S. Singh, M. Aikawa, E. Aikawa, A. Chandraker, Brigham and Women's Hospital, Boston, MA

5:50 PM - 6:00 PM

TNX-1500, an Fc-Modified Anti-cd154 Antibody, Prolongs Nonhuman Primate Cardiac Allograft Survival

S. Miura¹, Z. Abady¹, F. Pollok¹, M. Ma¹, K. Kinoshita¹, S. Fogarty², P. Maguire², B. Daugherty², S. Lederman², R. Pierson III¹, ¹Center for Transplantation Sciences, Department of Surgery, Massachusetts General Hospital, Boston, MA, ²Tonix Pharmaceuticals, Chatham, NJ

6:00 PM - 6:10 PM

Use of Organ-Specific Chimeric Antigen Receptor Promotes Liver Recruitment of Regulatory T Cells

E. Landmann¹, P. Ruiz¹, A. Kurt¹, E. Kodela¹, M. Martinez-Llordella², A. Sanchez-Fueyo¹, ¹King's College London, London, United Kingdom, ²Quell Therapeutics, London, United Kingdom

6:10 PM - 6:20 PM

A Novel IL-2 Mutein Selectively Expands Regulatory T Cells and Prolongs Skin Graft Survival

O. Efe¹, T. J. Borges¹, R. B. Gassen¹, L. Morena¹, A. Al Jurdi¹, I. T. Lape¹, G. J. Bobcock², J. C. Madsen¹, L. V. Riella¹, ¹Center for Transplantation Sciences, Massachusetts General Hospital, Charlestown, MA,

²Visterra, Inc., Waltham, MA

6:20 PM - 6:30 PM

TIGIT Agonism Ameliorates Costimulation Blockade-Resistant Rejection by Increasing Quantity and Quality of Graft-Infiltrating Foxp3⁺ Treg

C. R. Hartigan, D. Liu, S. Laurie, M. L. Ford, Emory University Transplant Center, Emory University, Atlanta, GA

6:30 PM - 6:40 PM

Successful Use of Anti-IL-6R Therapy to Achieve Cardiac Allograft Tolerance in Non-Human Primates

C. L. Miller, K. J. Ahrens, J. M. O, P. M. Patel, A. Dehnadi, T. Costa, M. Momodu, J. A. Morrissette, D. Muldoon, I. M. Hanekamp, J. S. Allan, G. Benichou, J. C. Madsen, Center for Transplantation Sciences, Massachusetts General Hospital, Boston, MA

6:40 PM - 6:50 PM

Why Females Have Weaker Tregs Than Males: Inhibitory Effects of Estrogen Receptor Signaling on Foxp3⁺ Treg Cell Suppressive Function

L. M. Christensen¹, T. Akimova¹, G. Ge², R. Han¹, L. Wang³, C. O'Brien², M. Levine², W. W. Hancock³, ¹Children's Hospital of Philadelphia, Philadelphia, PA, ²University of Pennsylvania, Philadelphia, PA, ³Children's Hospital of Philadelphia, Philadelphia, PA

6:50 PM - 7:00 PM

Alloreactive Human Regulatory T Cell-Derived Extracellular Vesicles Exhibit Adenosinergic Mediated Suppression and Potential for Infectious Tolerance

B. Schreiber, S. Tripathi, A. Chandraker, Brigham and Women's Hospital, Boston, MA

Program Topic: Administrative

Quality Assurance Process Improvement & Regulatory Issues

5:30 PM - 7:00 PM

Moderators:

Austin Williams, MS, FACHE, Hospital of University of Pennsylvania, Manheim, PA, USA
Luke Preczewski, Jackson, Miami, FL, USA

5:30 PM - 5:40 PM

Immunity Rates to Hepatitis B Among Solid Organ Transplant Recipients

S. Kopf¹, J. Walker², K. Bruxvoort³, H. Budhwani³, A. Nellore⁴, ¹Infectious Disease, University of Alabama at Birmingham Hospital, Birmingham, AL, ²University of Alabama at Birmingham, Birmingham, AL, ³University of Alabama at Birmingham Hospital, Birmingham, AL, ⁴University of Alabama, Birmingham, AL

5:40 PM - 5:50 PM

Mandatory Vaccine Requirements in Waitlisted Transplant Patients: A Transplant Center's Perspective - A Call to Action

M. Debroy¹, K. Andreoni¹, A. Beach², K. Chavin¹, ¹University Hospitals Cleveland Medical Center/Case Western Reserve, Cleveland, OH, ²University Hospitals, Cleveland, OH

5:50 PM - 6:00 PM

Financial Impact of Adult Kidney Transplant MS-DRGs 650, 651 and 652 in U.S. Transplant Hospitals

E. Zavala¹, J. Rogers², H. Buschmann¹, S. Rath¹, S. Karp¹, ¹VUMC, Nashville, TN, ²Transplant Management Group, San Diego, CA

6:00 PM - 6:10 PM

Seroprevalence of MMR and Varicella (MMRV) in Solid Organ Transplant Candidates and Seroresponse to MMRV Vaccinations

H. Javaid¹, R. Hasbun¹, A. DeGolovine², S. Jyothula³, V. Machicao⁴, J. Bynon⁵, L. Ostrosky¹, M. Nigo¹, ¹Division of Infectious Diseases, McGovern Medical School, University of Texas Health Science Center, Houston, TX, ²Div of Renal Disease, Univ of Texas Health Science Center, Houston, TX, ³Div of Advanced Heart Failure and Transplant Cardiology, Univ of Texas Health Science Center, Houston, TX, ⁴Div of Transplant Hepatology, Univ of Texas Health Science Center, Houston, TX, ⁵Div of Immunology and Organ Transplantation, Univ of Texas Health Science Center, Houston, TX

6:10 PM - 6:20 PM

Functional Status Assessment in Kidney Transplant Candidates and Recipients: A Single-Center Experience

M. Marshall, O. A. Moss, G. Friedman, O. A. Moss, UC Davis Transplant Center, Sacramento, CA

6:20 PM - 6:30 PM

Impact of a Transplant Pharmacy Collaborative Practice Agreement Implementation on an Institutional Medication Assistance Program Funding Utilization

A. D. Kataria¹, T. Sam¹, N. Wilson¹, A. Lee², L. Cole², D. Francis³, L. Zuniga³, B. Stein³, R. Goldstein³, ¹Pharmacy, Baylor University Medical Center, Dallas, TX, ²Baylor Health Enterprise, Dallas, TX, ³Transplant, Baylor University Medical Center, Dallas, TX

6:30 PM - 6:40 PM

Status 7: Parking Lot or Loading Zone?

E. Wells, M. Robinson, S. Blais, A. Chacon, S. Greve, R. Villicana, C. Bratton, K. Talavera, M. de Vera, S. Regmi, T. Hoang, J. Woloszyn, R. Rattanavich, *Transplant Institute, Loma Linda University Health, Loma Linda, CA*

6:40 PM - 6:50 PM

Compliance with OPTN Infectious Disease Testing

L. Irwin, *Massachusetts General Hospital, Boston, MA*

6:50 PM - 7:00 PM

Reduction in Opioid Discharge Prescribing for Kidney Transplant Recipients Through Implementation of a Standardized Opioid Prescribing Policy

S. Fredrick¹, K. Dokus², J. Cooley¹, A. Dulen³, J. Melaragno¹, ¹Pharmacy, University of Rochester Medical Center, Rochester, NY, ²Transplant Surgery, University of Rochester Medical Center, Rochester, NY, ³Wegmans School of Pharmacy, St. John Fisher College, Rochester, NY

Poster Session D

7:00 PM - 8:00 PM

Program Topic: All Topics

Poster Session D Presenters in Attendance

- **Basic Science / Immunology:** Translational Cellular Therapies: Islet and Stem Cell Transplantation
- **Basic Science / Immunology:** Xenotransplantation
- **Basic Science / Immunology:** Biomarkers: Clinical Outcomes

- **Psychosocial & Ethics:** Psychosocial and Treatment Adherence
- **Psychosocial & Ethics:** Non-Organ Specific: Economics & Ethics
- **ID:** All Infections (Excluding Kidney & Viral Hepatitis) IV
- **ID:** Non-Organ Specific: Viral Hepatitis
- **Pharmacy II**
- **Kidney:** Acute Cellular Rejection
- **Kidney:** Immunosuppression: Novel Regimens and Drug Minimization
- **Kidney:** Living Donor: Selection
- **Kidney:** Complications: Non-Immune Mediated Late Graft Failure
- **Kidney:** Health Equity and Access
- **Liver:** Living Donor Liver Transplant and Partial Grafts
- **Organ Inclusive:** Deceased Donor Management and Intervention Research
- **Organ Inclusive:** Machine Learning, Artificial Intelligence and Social Media in Transplantation

Poster Chats Session 4

7:00 PM - 8:00 PM

Program Topic: Heart & Lung

Heart and Lung

7:00 PM - 8:00 PM

Moderators:

Carli Lehr, MD, Cleveland Clinic, Cleveland, OH, USA
 To Be Determined

7:00 PM - 7:10 PM

Fontan versus Non-Fontan Combined Heart-Liver Transplantation: Proceed but Cautiously

I. A. Ziogas, W. K. Wu, M. Izzy, A. Shingina, C. Benson, K. L. Mishra, A. S. Shah, N. L. Do, W. G. McMaster, J. N. Menachem, S. P. Alexopoulos, *Vanderbilt University Medical Center, Nashville, TN*

7:10 PM - 7:20 PM

Local Intragraft Humoral Immune Response in Chronic Lung Allograft Dysfunction

E. Miyamoto¹, S. C. Juvet², D. Vosoughi², J. Wang², J. Al-



Refaee², T. Daigneault², A. Duong², S. Moshkelgosha², S. Keshavjee², K. Tinckam², A. Chruscinski³, D. Hwang⁴, T. Martinu², ¹Tenri Hospital Japan, University Health Network Canada, Nara, Japan, ²University Health Network, Toronto, ON, Canada, ³Multi-Organ Transplantation, University Health Network, Toronto, ON, Canada, ⁴Sunnybrook Health Science Centre, Toronto, ON, Canada

7:20 PM - 7:30 PM

Perioperative Cardiovascular Outcomes of Pre-Transplant ECMO in Recipients of Lung Transplant

F. Anjum¹, R. Munshi², A. M. Courtwright¹, M. M. Crespo¹, J. C. Salgado¹, J. D. Christie¹, V. N. Ahya¹, N. Patel¹, D. Hadjiliadis¹, E. Clausen¹, M. Cevasco³, E. E. Cantu³, C. A. Bermudez³, J. M. Diamond¹, ¹Pulmonary and Critical Care, University of Pennsylvania, Philadelphia, PA, ²Nassau University Medical Center, East Meadow, NY, ³Cardiovascular Surgery, University of Pennsylvania, Philadelphia, PA

Program Topic: Liver

Liver

7:00 PM - 8:00 PM

Moderators:

Daniel Borja-Cacho, MD, Northwestern University, Chicago, IL, USA

To Be Determined

7:00 PM - 7:10 PM

18 Month Impact of the National Liver Review Board

J. Foutz¹, S. Noreen¹, K. Bradbrook², M. Cafarella¹, J. Pomposelli³, S. Biggins⁴, J. Trotter⁵, ¹United Network for Organ Sharing, Richmond, VA, ²Research, United Network for Organ Sharing, Richmond, VA, ³University of Colorado, Aurora, CO, ⁴University of Washington, Seattle, WA, ⁵Baylor University Medical Center, Dallas, TX

7:10 PM - 7:20 PM

Allocation Based on Acuity Circles Decreases Waiting Time for Liver Transplant Patients

M. H. Kim, K. Sasaki, A. Gallo, T. Pham, M. L. Melcher, S. Busque, C. Esquivel, C. Bonham, *Stanford University, Stanford, CA*

7:20 PM - 7:30 PM

Characterizing Outcomes of Patients with Colorectal Liver Metastases (CRLM) Undergoing Liver Transplantation (LT) Evaluation

E. Takoushian¹, E. Brandon¹, B. Samstein², K. Halazun², ¹Liver Transplantation, New York Presbyterian Weill Cornell, New York, NY, ²Weill Cornell Medical Center, New York, NY

7:30 PM - 7:40 PM

Impact of Arterial Reconstruction Technique on Hepatic Arterial Thrombosis in a Decade of Pediatric Liver Transplantation

A. M. Delman¹, Z. Farooqi¹, E. Schepers¹, A. Bondoc², G. Tiao², B. Mullapudi², ¹Surgery, University of Cincinnati College of Medicine, Cincinnati, OH, ²Surgery, Cincinnati Children's Hospital Medical Center, Cincinnati, OH

Sponsor Networking

7:00 PM - 8:00 PM

Program Topic: All Topics

Join your fellow colleagues in Exhibit Hall C & D, Level 2 for networking with sponsors. Beverages and light snacks will be served.

Wednesday, June 8, 2022

IMPACT Sessions

7:00 AM - 8:00 AM

Program Topic: Small Bowel

Advanced Management for Infectious Complications of Intestine/Multivisceral Transplant

7:00 AM - 8:00 AM

Moderators:

Syed-Mohammed Jafri, MD, Henry Ford Hospital, Detroit, MI, USA

Kareem Abu-Elmagd, MD, PhD, Cleveland Clinic, Cleveland, OH, USA

7:00 AM - 7:10 AM

Utilizing Emerging and Old Antibiotics for Multi-Drug Resistant Gram Negative Bacteria Following Intestine and Multivisceral Transplant

Lilian Abbo, MD, University Of Miami Miller School of Medicine, Miami, FL, USA

7:10 AM - 7:20 AM

Updates on Diagnosis and Management of Cytomegalovirus: Perspectives from Intestinal/Multivisceral Transplant

Natalia Castillo Almeida, MD, University of Nebraska Medical Center, Omaha, NE, USA

7:20 AM - 7:30 AM

Managing and Preventing Invasive Candida and Aspergillus Infections in Intestinal/Multivisceral Transplant

Jonathan Williams, M.D., Henry Ford Health, Detroit, MI, USA

7:30 AM - 8:00 AM

Live Q&A

Program Topic: Public Policy & Regulatory

The Perfusion Revolution

7:00 AM - 8:00 AM

Moderators:

Heidi Yeh, MD, Massachusetts General Hospital, Boston, MA, USA

Malcolm MacConmara, MB BCh, TransMedics, Andover, MA, USA

7:00 AM - 7:10 AM

How to Standardize Protocols?

James Hunter, MD, PhD, University of Oxford, Oxford, United Kingdom

7:10 AM - 7:20 AM

Who Pumps? The TXP Center Perspective.

James Markmann, MD, PhD, Massachusetts General Hospital, Boston, MA, USA

7:20 AM - 7:30 AM

Who Pumps? The OPO Perspective

Kevin Myer, MSHA, LifeGift Organ Donation Center, Houston, TX, USA

7:30 AM - 8:00 AM

Live Q&A

Program Topic: Liver

Controversial Indications for Live Donor Liver Transplantation: A Risk Worth Taking?

7:00 AM - 8:00 AM

Moderators:

Elizabeth Pomfret, MD, PhD, University of Colorado, Aurora, CO, USA

Navpreet Kaur, M.D., University of Southern California, Pasadena, CA, USA

7:00 AM - 7:10 AM

Live Donor Liver Transplantation for Acute Liver Failure

Amit Tevar, MD, University of Pittsburgh Medical Center, Pittsburgh, PA, USA

7:10 AM - 7:20 AM

Live Donor Liver Transplantation for Alcoholic Hepatitis

Ashwani Singal, MD, MS, FAASLD, FACC, AGAF, University of South Dakota Sanford SOM and Avera University Health Center, Sioux Falls, SD, USA

7:20 AM - 7:30 AM

Live Donor Liver Transplantation for HCC Beyond UCSF

Gonzalo Sapisochin, MD, University of Toronto, Toronto, ON, Canada

7:30 AM - 8:00 AM

Live Q&A

Program Topic: Pancreas

Novel Methodologies to Improve Clinical Outcomes after Islet Cell Auto-Transplantation

7:00 AM - 8:00 AM

Moderators:

Marlon F Levy, MD, FACS, Virginia Commonwealth University, Richmond, VA, USA

Jaimie Nathan, MD, Nationwide Children's Hospital, Columbus, OH, USA

7:00 AM - 7:10 AM

Biomarkers for Islet Cell Survival and Death After

Transplantation

Bashoo Naziruddin, PhD, FAST, Baylor University Medical Center, Dallas, TX, USA

7:10 AM - 7:20 AM

Strategies to Increase Islet Yield and Quality for Improving Transplant Outcome

Balamurugan Appakalai, PhD, Nationwide Children's Hospital, Columbus, OH, USA

7:20 AM - 7:30 AM

Outline Reimbursement Opportunities and Challenges for Islet Auto-Transplantation

Michael Hughes, Jr., MD, Jewish Hospital Transplant Center, Louisville, KY, USA

7:30 AM - 8:00 AM

Live Q&A

Program Topic: Pediatric & Kidney

Choosing a Best Kidney for Pediatric Recipients to Optimize Long-Term Graft Survival: Is There Such a Thing?

7:00 AM - 8:00 AM

Moderators:

Amy Bobrowski, MD, MS, Cleveland Clinic Children's, Cleveland, OH, USA

Asha Moudgil, MD, Children's National Medical Center, Washington, DC, USA

7:00 AM - 7:10 AM

Paired Kidney Registries: Novel Uses

Matthew Cooper, MD, Medstar Georgetown Transplant Institute, Washington, DC, USA

7:10 AM - 7:20 AM

The Role of Class II HLA Matching in Optimizing Long Term Outcomes for Young Transplant Recipients

Anat Tambur, PhD, DMD, Northwestern University, Chicago, IL, USA

7:20 AM - 7:30 AM

Which Living Donor to Use: Role of Living Donor KDPI

Dorry Segev, MD, PhD, NYU Langone Health, New York, NY, USA

7:30 AM - 8:00 AM

Live Q&A

Program Topic: Basic Science / Immunology

Non-HLA Antigens and Antibodies

7:00 AM - 8:00 AM

Moderators:

Michelle Hickey, PhD D(ABHI), University of California Los Angeles Immunogenetics Center, Windsor Hills, CA, USA

Annette Jackson, PhD, Duke University, Durham, NC, USA

7:00 AM - 7:10 AM

The Genetics of Non-HLA Contributions to Rejection

Madhav Menon, MBBS, MD, Yale University School of Medicine, New Haven, CT, USA

7:10 AM - 7:20 AM

Impact of Non-HLA Antibodies in Rejection

Nicole Valenzuela, Ph.D, D(ABHI), UCLA, Los Angeles, CA, USA

7:20 PM - 7:30 PM

Anti-GPCR Antibodies and Mechanisms of Rejection

Kai Schulze-Forster, Prof. Dr. rer. nat., CellTrend GmbH, Luckenwalde, Germany

7:30 AM - 8:00 AM

Live Q&A

Program Topic: Translational

Bioengineering in Transplantation: Where We are and Where are We Going?

7:00 AM - 8:00 AM

Moderators:

Kim Solez, MD, University of Alberta, Edmonton, AB, Canada

Harald Ott, MD, Massachusetts General Hospital, Boston, MA, USA

7:00 AM - 7:10 AM

Applications of the Decellularized Extracellular Matrix



Jon Odorico, MD, University of Wisconsin Hospital & Clinic, Madison, WI, USA

7:40 AM - 8:00 AM
Live Q&A

7:10 AM - 7:20 AM

3D Printing Organ Manufacturing

Benjamin Humphreys, MD, PhD, Washington University School of Medicine in St. Louis, St. Louis, MO, USA

7:20 AM - 7:30 AM

Engineering the Vascular Network: The Missing Piece of the Puzzle

Laura Niklason, MD, PhD, Yale University, New Haven, CT, USA

7:30 AM - 8:00 AM

Live Q&A

Program Topic: Other

Frailty Thy Name is "Human": Lessons Learned and Gaps to Bridge

7:00 AM - 8:00 AM

Moderators:

Deborah Levine, MD, University of Texas, San Antonio, TX, USA

Krista Lentine, MD, PhD, SLU, St. Louis, MO, USA

7:00 AM - 7:10 AM

Malnutrition, Frailty, and Sarcopenia in Liver Transplantation

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

7:10 AM - 7:20 AM

Insights from Heart Transplantation and MCS

Geetha Bhat, MD, PhD, Penn State, Hershey, PA, USA

7:20 AM - 7:30 AM

Recognizing Frailty in the Kidney Standpoint

Mara McAdams DeMarco, PhD, Johns Hopkins, Baltimore, MD, USA

7:30 AM - 7:40 AM

"Pre-hab" in Lung Transplant Candidates: When is Good - Good Enough?

Jonathan Singer, MD MS, UC San Francisco, San Francisco, CA, USA

Program Topic: Administrative

Metrics and Measurement of Transplant Programs: What You Need to Know

7:00 AM - 8:00 AM

Moderators:

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

Anil Chandraker, MD, Brigham and Women's Hospital, Boston, MA, USA

7:00 AM - 7:10 AM

How Do We Risk Adjust For Transplant Program Innovation?

Sumit Mohan, MD, MPH, Columbia University Medical Center, New York, NY, USA

7:10 AM - 7:20 AM

Patient Perspectives on Transplant Program

Measurement: What's Important to Those Using Our Services?

Ajay Israni, MD, MS, Hennepin Healthcare, University of Minnesota, Minneapolis, MN, USA

7:20 AM - 7:30 AM

MPSC/UNOS New Oversight Metrics: Rationale and Definitions

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

7:30 AM - 8:00 AM

Live Q&A

Program Topic: Women's Health

Safe Sex and Body Image – Can We Do Right by Our Patients?: Wellness in Solid Organ Transplant Recipients Across All Age Groups

7:00 AM - 8:00 AM

Moderators:

Silvi Shah, MD, MS, University of Cincinnati, Cincinnati, OH, USA



Lisa Coscia, RN, BSN, CCTC, Gift of Life Institute, Philadelphia, PA, USA

7:00 AM - 7:10 AM

'Pill or Device' - Contraception Options for the Solid Organ Transplant Recipient

Monika Sarkar, MD, MAS, UCSF, San Francisco, CA, USA

7:10 AM - 7:20 AM

Screening and Management of Sexually Transmitted Infections in Pediatric and Young Adult SOT Recipients

Monica Ardura, DO, MSc, Nationwide Children's Hospital, Columbus, OH, USA

7:20 AM - 7:30 AM

From Scars to Medication Side Effects - Body Image Issues in the SOT Recipient

Elizabeth Steinberg Christofferson, PhD, University of Colorado Anschutz Medical Campus, Aurora, CO, USA

7:30 AM - 8:00 AM

Live Q&A

Program Topic: Pharmacy & ID

Putting Brakes on Increasing Antifungal Resistance: Antifungal Stewardship and Novel Anti-Fungals

7:00 AM - 8:00 AM

Moderators:

Jillian Casale, PharmD, University of Maryland Medical Center, Baltimore, MD, USA

Andrej Spec, MD, MSCI, FECMM, FIDSA, Washington University School of Medicine St Louis, St Louis, MO, USA

7:00 AM - 7:10 AM

Increasing Antifungal Resistance and Lessons Learned from Antibacterial Resistance

Yoram Puius, MD, PhD, Montefiore Medical Center, Bronx, NY, USA

7:10 AM - 7:20 AM

Shift in Fungal Epidemiology: Emergence of New Fungal Species and the Impact of Antifungal Overuse

Sarah Taimur, MD, Mount Sinai Medical Center, New York, NY, USA

7:20 AM - 7:30 AM

Role of Unambiguous Anti-Fungal Stewardship to Curb Anti-Fungal Resistance

Travis King, PharmD, Ochsner Medical Center - New Orleans, New Orleans, LA, USA

7:30 AM - 7:40 AM

Development of Potent Novel Anti-Fungals and Discuss the Impact of Few Novel Agents Such as Ibrexafungerp, Fosmanogepix, Nikkomycin Z

John Baddley, MD, MSPH, University of Maryland School of Medicine, Baltimore, MD, USA

7:40 AM - 8:00 AM

Live Q&A

Program Topic: Perfusion & Discard

New Avenues of Preventing Discard

7:00 AM - 8:00 AM

Moderators:

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

Ashish Shah, M.D., Vanderbilt University Medical Center, Nashville, TN, USA

7:00 AM - 7:10 AM

New Avenues in Preventing Liver and Kidney Discard from Circulatory Death Donors and the Impact of Perfusion

Amit Mathur, MD MS, Mayo Clinic in Arizona, Phoenix, AZ, USA

7:10 AM - 7:20 AM

Lung Transplantation from Circulatory Death Donors: Defining New Criteria to Prevent Discard and Impact of OCS Lung Perfusion

Matthew Hartwig, MD, Duke University, Durham, NC, USA

7:20 AM - 7:30 AM

Normothermic Regional Perfusion for DCD Heart Donors
Amy Fiedler, MD, University of Wisconsin, Madison, WI, USA

7:30 AM - 8:00 AM

Live Q&A

Break

8:00 AM - 8:25 AM

Plenary Oral Abstract Session

8:25 AM - 9:30 AM

Program Topic: All Topics

Plenary Oral Abstract Session 4

8:25 AM - 9:30 AM

Moderators:

Matthew Levine, MD, PhD, University of Pennsylvania, Philadelphia, PA, USA

Jesse Schold, PhD, M. Stat, M.Ed., Cleveland Clinic Foundation, Cleveland, OH, USA

8:30 AM - 8:45 AM

A Single Center Analysis of Organ Offers and Workload for Liver and Kidney Allocation

V. Reddy, T. Ma, R. Ruiz, H. Fernandez, J. Bayer, N. Onaca, E. Martinez, A. Gupta, S. Lee, G. J. McKenna, G. Testa, A. Wall, *Baylor University Medical Center, Dallas, TX*

8:45 AM - 9:00 AM

Treg Migration and Suppression Require Engagement with Lymphotoxin Beta Receptor on Lymphatic Endothelial Cells to Protect Islet Allografts

V. Saxena¹, W. Piao¹, L. Li¹, M. WillsonShirkey¹, R. Lakhan¹, S. Walden², K. L. Hippen², B. R. Blazar², J. S. Bromberg¹, ¹*University of Maryland School of Medicine, Baltimore, MD*, ²*University of Minnesota, Minneapolis, MN*

9:00 AM - 9:15 AM

Effect of Dual Inhibition of DPP4 and SGLT2 on Tacrolimus-Induced Diabetes Mellitus and Nephrotoxicity in Rat Model

E. Ko, Y. Shin, C. Seung, S. Lim, B. Chung, C. Yang, *Seoul St.Mary's Hospital, Seoul, Korea, Republic of*

9:15 AM - 9:30 AM

Long-Term Kidney Allotransplant Acceptance is Defined by a Shift from a T Cell to a B Cell Rich Immune Microenvironment Within the Graft

E. S. Szuter¹, T. Yokose¹, M. T. Guinn¹, J. Ge², I. Rosales³, B. Kwon⁴, P. S. Russell¹, A. Cuenca², D.

Kreisel⁵, P. Sage⁶, J. C. Madsen¹, R. B. Colvin³, A. Alessandrini¹, ¹*Center for Transplantation Sciences, Massachusetts General Hospital, Boston, MA*, ²*Department of Surgery, Boston Children's Hospital, Boston, MA*, ³*Department of Pathology, Massachusetts General Hospital, Boston, MA*, ⁴*Harvard College, Cambridge, MA*, ⁵*Department of Surgery, Washington University, St. Louis, MO*, ⁶*Transplantation Research Center, Renal Division, Brigham and Women's Hospital, Boston, MA*

ATC's People's Choice Award

9:30 AM - 10:00 AM

ATC's People's Choice Award

9:30 AM - 10:00 AM

Moderators:

Matthew Levine, MD, PhD, University of Pennsylvania, Philadelphia, PA, USA

Jesse Schold, PhD, M. Stat, M.Ed., Cleveland Clinic Foundation, Cleveland, OH, USA

Break

10:00 AM - 10:15 AM

Controversies in Transplantation

10:15 AM - 11:15 AM

Program Topic: Public Policy & Regulatory

Selflessness or Selfishness: What Philosophy Should Underpin Organ Donor Registration Initiatives?

10:15 AM - 11:15 AM

Moderators:

Ajay Israni, MD, MS, Hennepin Healthcare, University of Minnesota, Minneapolis, MN, USA

Theresa Daly, BS, MS, Gift of Life Institute, Philadelphia, PA, USA

10:15 AM - 10:25 AM

Setting the Stage: Incentivizing Organ Donation to Meet Solid Organ Transplant Needs

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

10:25 AM - 10:35 AM

We Should Encourage Selflessness (Altruism) in Our Organ Donor Initiatives

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

10:35 AM - 10:45 AM

We Should Embrace Selfishness in Our Organ Donor Initiatives

Adnan Sharif, MD, University Hospitals Birmingham, Birmingham, United Kingdom

10:45 AM - 10:50 AM

Rebuttal: We Should Encourage Selflessness (Altruism) in Our Organ Donor Initiatives

10:50 AM - 10:55 AM

Rebuttal: We Should Embrace Selfishness in Our Organ Donor Initiatives

10:55 AM - 11:15 AM

Live Q&A

Program Topic: Basic Science / Immunology & Translational

We Need Car T-Cells to Effectively Desensitize High PRA Patients

10:15 AM - 11:15 AM

Moderators:

Joren Madsen, MD, Phil, Massachusetts General Hospital, Boston, MA, USA

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

10:15 AM - 10:25 AM

Defining the Current Status of Desensitization and the Future of Potential Options

Stanley Jordan, MD, Cedars Sinai Medical Center, West Hollywood, CA, USA

10:25 AM - 10:35 AM

Pro: We have No Other Tools in the Box

Ali Naji, MD, University of Pennsylvania Hospital, Philadelphia, PA, USA

10:35 AM - 10:45 AM

Con: Safer Techniques Already Exist

E. Steve Woodle, MD, University of Cincinnati Medical Center, Cincinnati, OH, USA

10:45 AM - 10:50 AM

Pro - Rebuttal

10:50 AM - 10:55 AM

Con - Rebuttal

10:55 AM - 11:15 AM

Live Q&A

Break

11:15 AM - 11:45 AM

What's Hot / What's New

11:45 AM - 12:30 PM

Program Topic: All Topics

Congress Abstract Highlights

11:45 AM - 12:30 PM

Moderators:

Linda Sher, MD, USC, Los Angeles, CA, USA

Andrew Adams, MD, PhD, University of Minnesota, Minneapolis, MN, USA

11:45 AM - 12:05 PM

Clinical

Amit Mathur, MD MS FACS, Mayo Clinic in Arizona, Phoenix, AZ, USA

12:05 PM - 12:25 PM

Basic

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