

/ atcmeeting.org /
#ATC2023SanDiego

THE SCIENCE OF
TOMORROW
STARTS **TODAY**

AMERICAN TRANSPLANT CONGRESS

ATC2023

SAN DIEGO, CA • JUNE 3-7, 2023

SAN DIEGO CONVENTION CENTER

**REGISTRATION
BROCHURE**



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 2023 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.

2023 EXPERIENCE

In-Person

We are excited to hold ATC 2023 In-person in San Diego, CA! 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 in sunny San Diego!

Virtual Only

For those attendees unable to join us in San Diego, we will also live stream sessions to the virtual audience in real-time allowing them the opportunity to submit questions in real-time.

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.

In-person & Virtual Only 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	✓	Select Sessions
State-of-the-Art Lectures	✓	✓
Plenary Abstract Sessions	✓	✓
Oral Abstract Sessions	✓	Select Sessions
Sponsored Satellite Symposia	✓	
Abstract Text & Poster Graphic Access	✓	✓
Meet-the-Expert Sessions	✓	
Poster Abstract Chats	✓	
Sponsor Product Theater Presentations	✓	
In-person Networking with Attendees	✓	
In-person Networking with Sponsors	✓	
Live Stream Platform	✓	✓
Education Credits (CME, ANCC, ACPE, & ABTC)	✓	✓

Best Value Option - Includes ATC OnDemand

ATC will be capturing sessions to be released in an OnDemand format 10 business days after the Congress concludes. You can ADD ATC OnDemand when you register by selecting "Best Value In-person" or "Best Value Virtual Only."

	OnDemand
Invited Symposia	✓
State-of-the-Art Lectures	✓
Plenary Abstract Sessions	✓
Oral Abstract Sessions	✓
Sponsored Satellite Symposia	✓
Abstract Text & Poster Graphic Access	✓
Education Credits (CME, ANCC, ACPE, & ABTC)	✓

HEALTH & SAFETY

San Diego 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 & Booster Strongly Recommended

The ATC 2023 Congress will proceed with a COVID-19 Vaccination and Booster Strongly Recommended approach for all attendees, exhibitors, press, and ATC/ASTS/AST staff.

Mask Wearing is Strongly Recommended

Mask wearing is strongly recommended and will be at the discretion of the participant.

Additional health and safety details can be found at www.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 2,000 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 transplant 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 (AST) is a diverse organization of more than 4,500 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 transplant organization in North America and is recognized as the premier society for transplantation. 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 2023 American Transplant Congress (ATC) — the 22nd joint American Transplant Congress. The ATC is the foremost educational event in the field of basic and clinical transplantation.

For the 2023 Congress, we head to San Diego, CA where the Congress will be held in the San Diego Convention Center. Review this registration brochure for program details and discounted registration information.

The Science of Tomorrow Starts Today at ATC in San Diego!

We look forward to your participation.

Sincerely,

*ATC 2023 Program Planning
Committee*

“ATC is a must for exploring the latest innovations in transplant practice, science, and technology. At ATC, transplant professionals come together from all over the world to advance the art and science of transplant. I look forward to seeing you in beautiful San Diego for one of the best transplant meetings in the U.S.”

— William C. Chapman, MD, FACS
ASTS President



“ATC 2023 promises to showcase the best of transplantation practice and science in the world. This is a must-attend event for all transplant professionals. San Diego is the place to be in June – interact with world-class speakers and network with your colleagues. See you there!”

— Deepali Kumar, MD, MSc, FRCPC, FAST
AST President



“ATC not only provides an amazing educational opportunity to highlight the latest developments in our field, it also provides a forum and networking opportunity to inspire new and young members to consider how they would like to grow and contribute in our field.”

— Linda Sher, MD
2023 ATC Program Chair



“Each year the American Transplant Congress has become the principal venue to share your scientific data, hear the most recent clinical updates and connect with colleagues. ATC 2023 in San Diego will be a can't miss meeting for clinicians, scientists and transplant professionals. Look forward to seeing you there!”

— Andrew Adams, MD, PhD
2023 ATC Program Chair



ABOUT SAN DIEGO

With near perfect weather year-round, 70 miles of spectacular coastline, world-class attractions and a thriving urban core, complete with a sophisticated art, dining and nightlife scene, San Diego has earned the name California's beach city. Explore San Diego's diverse coastal, urban and inland neighborhoods, each with its own flavor. Don't miss sampling the area's signature Cali Baja cuisine or tasting one of the hundreds of craft beers and wines bottled in the region.



SAN DIEGO FACTS



San Diego County has the most small farms of any US county and produces the most avocados, so don't skimp on the guacamole.



San Diego has the most dog-friendly restaurants per capita in the country.



The first modern triathlon was held in Mission Bay in 1974.



San Diego is one of only two places the rare Torrey pine tree grows. See these remarkable trees yourself at the Torrey Pines State Natural Reserve.



Check out the piano at Kansas City Barbecue. It's where Maverick and Goose belted out "Great Balls of Fire" in the 1986 film Top Gun, filmed in San Diego.

Source:
The San Diego Tourism Authority

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ASTS

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Email: info@myAST.org

Website: www.myAST.org

AST

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 3 – Wednesday, June 7, 2023

In-Person and Virtual Only fees are the same

REGISTRATION TYPE	BEST VALUE**		BEST VALUE**	
	Discounted Registration by May 3, 2023	Discounted Registration by May 3, 2023	Registration after May 3, 2023	Registration after May 3, 2023
Member Doctoral (ASTS, AST or Dual)	\$665.00	\$790.00	\$765.00	\$890.00
Member Non-Medical Doctoral (ASTS or AST)	\$550.00	\$675.00	\$625.00	\$750.00
Member Non-Doctoral (ASTS or AST)	\$315.00	\$440.00	\$365.00	\$490.00
Member Trainee (ASTS or AST)	\$200.00	\$325.00	\$225.00	\$350.00
Non-Member	\$1,225.00	\$1,350.00	\$1,325.00	\$1,450.00
Member Senior Emeritus (ASTS or AST)	\$0.00	\$125.00	\$0.00	\$125.00
Medical Student*	\$0.00	\$125.00	\$0.00	\$125.00

Additional Items

Meet-the-Expert Sessions \$50.00 per session, limited to 1 session per day (*In-Person participation only*)

You can ADD ATC OnDemand when you register by selecting "Best Value In-person" or "Best Value Virtual Only." **

**Medical Students must provide proof of eligibility. Medical Students must provide a letter from their program director or department chairs. The Medical Student registration category is not intended for poster or oral abstract presenters.*

INCLUDED IN REGISTRATION

2023 Experience

We are excited to hold ATC 2023 In-Person in sunny San Diego, CA! The ATC Program Planning Committee is building 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.

For those who cannot join us in San Diego we will also live stream sessions to the virtual audience in real-time allowing them the opportunity to submit questions in real-time.

In-person & Virtual Only Access Breakdown

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Plenary Abstract Sessions	✓	✓
Oral Abstract Sessions	✓	Select Sessions
Sponsored Satellite Symposia	✓	
Abstract Text & Poster Graphic Access	✓	✓
Meet-the-Expert Sessions	✓	
Poster Abstract Chats	✓	
Sponsor Product Theater Presentations	✓	
In-person Networking with Attendees	✓	
In-person Networking with Sponsors	✓	
Live Stream Platform	✓	✓
Education Credits (CME, ANCC, ACPE, & ABTC)	✓	✓

PROCESS & PAYMENT

Discounted Registration Deadline: May 3, 2023

The ATC offers discounted registration fees if you register by May 3, 2023. 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 2023 must be paid by **May 31, 2023** to qualify for MEMBER registration fees. NEW member applications are subject to additional processing time following payment.

POLICIES

Cancellation/Change Fee Policy

Requests for refunds must be submitted via email to atc@atcmeeting.org by **May 19, 2023** 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 19, 2023** 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 19, 2023**. 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 19, 2023**. 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."

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.

CONGRESS LOCATION

SAN DIEGO CONVENTION CENTER

111 W Harbor Drive
San Diego, CA 92101

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 2023. 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.

Manchester Grand Hyatt	.....	\$286
Omni San Diego	.....	\$287
Marriott Marquis San Diego Marina	.....	\$286
Hilton San Diego Bayfront	.....	\$286
Hilton Gaslamp Quarter	.....	\$287

DISCOUNTED RESERVATION DEADLINE: MAY 10, 2023

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.

CHILDREN'S PROGRAM

ATC has partnered with KiddieCorp to provide a children's program during this year's Congress.

Register early as availability is limited and handled on a first-come, first-served basis. KiddieCorp must receive both the registration form and payment in full to hold any advance reservations.

See the registration form at www.atcmeeting.org/childrens-program for event information.

ADVANCE REGISTRATION DEADLINE: MAY 3, 2023

KiddieCorp is always available to answer any questions. Feel free to contact KiddieCorp by phone at (858) 455-1718 or by e-mail at info@kiddiecorp.com.

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 3RD, 1:00 PM – WEDNESDAY, JUNE 7TH, 12:30 PM PT

All below programs are included in Congress registration unless noted.

IN-DEPTH SYMPOSIA

Saturday, June 3, 1:00 PM – 3:45 PM PT

In-Depth Symposia are 2½ hour sessions designed around a specific topic of interest. These sessions provide in-depth state-of-the-art information focused both on clinical and research areas from various perspectives, allowing attendees to make connections and incorporate the knowledge acquired into their everyday practice.

ATTENDEE PROFILE

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

IMPACT SESSIONS

Sunday, June 4, Wednesday, June 7, 7:00 AM – 8:00 AM PT
Sunday, June 4, Monday, June 5, 1:30 PM – 2:30 PM PT
Tuesday, June 6, 10:25 AM – 11:25 AM PT, 2:00 PM – 3:00 PM PT

Learn from industry innovators 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

Sunday, June 4, Monday, June 5, 12:15 PM – 1:15 PM PT
Tuesday, June 6, 12:45 PM – 1:45 PM PT

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.

Gain exclusive access to Mentor Experts in the field.

- ▶ NO formal slide presentations, similar to a "Fireside Chat Session."
- ▶ The purposeful layout is designed to allow interaction and discussion while creating new connections.
- ▶ These sessions are designed in an intimate discussion setting.
- ▶ Limited attendance.

ATTENDEE PROFILE

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

Limited attendance and additional \$50.00 fee to attend. In-Person participation only.

FOCUS IN TRANSPLANTATION

Sunday, June 4, 3:00 PM – 5:30 PM PT
Monday, June 5, 3:00 PM – 5:30 PM PT

Deep dive into focused presentations on Basic and Translational science. Individual sessions on "Basic: Revisiting the Barrier Imposed by Memory and Effector T Cells" and "Translational: Deep Learning-based Approach to Transplant Pathology" will be presented.

ATTENDEE PROFILE

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

CONTROVERSIES IN TRANSPLANTATION

Wednesday, June 7, 9:50 AM – 11:00 AM PT

Come experience top level experts debate controversial topics in both Basic and Clinical science. Individual sessions on “Public Policy: Just Not Allocation but Equity in Organ Transplantation,” and “Basic & Translational: The Science of Fire and Ice: Machine Perfusion vs. Cryopreservation” 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 Oral 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 7, 2023.
- ▶ 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.

Rapid Fire 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

NEW THIS YEAR

Poster Presenters will be in attendance during scheduled exhibit hall morning and afternoon networking break times.

- ▶ 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 during exhibit hall morning and afternoon networking breaks.
- ▶ Poster boards are grouped together in locations with specific topics of interest.

Poster Chat Sessions

Poster Chat Sessions have been created to highlight accepted ATC abstract poster presentations and give poster presenters the opportunity to give an oral presentation of their abstract work in addition to a poster board presentation.

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 of 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). AMEDCO is accredited by the ACCME to provide continuing medical education for physicians.

AMEDCO 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 SEPAKERS



THOMAS E. STARZL STATE-OF-THE-ART LECTURE

Jay A. Fishman, MD

*Director of the Transplant Infectious Diseases and Compromised Host Program
Massachusetts General Hospital (MGH)*

**Presentation Title: Infection in Transplantation:
What Have We Learned From Pigs?**

Sunday, June 4, 2023 | 11:00 AM – 11:30 AM PT

Jay A. Fishman, M.D. is Professor of Medicine at Harvard Medical School, Director of the Transplant Infectious Diseases and Compromised Host Program at the Massachusetts General Hospital (MGH) and Associate Director of the MGH Transplant Center. Dr. Fishman completed Internal Medicine and Infectious

Disease training at MGH, and postdoctoral fellowships in Molecular Biology and Genetics at Harvard Medical School. He founded the Transplant Infectious Disease and Immunocompromised Host Program to provide lifelong care for solid organ and stem cell transplant recipients and other immunocompromised hosts. With his background in immunology, virology and molecular biology, Dr. Fishman has helped to define infectious risks and preventative strategies in organ transplantation and in xenotransplantation, notably the role of porcine endogenous retrovirus and porcine cytomegalovirus. He has over 300 peer-reviewed publications. He is Past-President of the American Society of Transplantation and Councilor of the International Xenotransplantation Association, Fellow of the American College of Physicians, American Society of Transplantation, and Infectious Disease Society of America.



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

SPONSORED BY THE TERASAKI INNOVATION CENTER

Hiro Nakauchi MD, PhD

*Institute for Stem Cell Biology and Regenerative Medicine
Stanford University School of Medicine*

**Presentation Title: Growing Organs In Vivo:
iPS Cell-derived Xeno-created Organs for
Transplantation**

Tuesday, June 6, 2023 | 12:00 PM – 12:30 PM PT

Hiromitsu Nakauchi, M.D., Ph.D., Professor, Department of Genetics and the Institute for Stem Cell Biology and Regenerative Medicine, Stanford University School of Medicine. Hiro Nakauchi is recognized as a pioneer in the field of stem cell research and single cell biology. He demonstrated that a single hematopoietic stem cell (HSC) can reconstitute the entire blood-lymphatic system of irradiated (HSC-removed) mice. His experience in HSC research led to the idea of “organ niche” and successfully created a rat pancreas in mice, a groundbreaking demonstration of cross-species organogenesis. His research focuses on linking discoveries in stem cell biology, immunology, molecular biology and developmental engineering to effective stem cell therapies.

MEETING AT A GLANCE

The program schedule is built in Pacific Time Zone.

SATURDAY, JUNE 3, 2023

1:00 PM – 2:15 PM	In-Depth Symposia Part 1
2:15 PM – 2:30 PM	Break
2:30 PM – 3:45 PM	In-Depth Symposia Part 2
3:45 PM – 4:15 PM	Break
4:15 PM – 5:30 PM	Rapid Fire Oral Abstract Sessions
5:30 PM – 7:00 PM	Sponsor Networking
5:30 PM – 7:00 PM	Poster Session A (Presenters in front of their boards)
5:45 PM – 6:15 PM	Product Theater
6:30 PM – 8:00 PM	Women's Networking Event

SUNDAY, JUNE 4, 2023

7:00 AM – 8:00 AM	IMPACT Sessions
8:00 AM – 8:15 AM	Break
8:15 AM – 9:15 AM	Plenary Oral Abstract Session 1
9:15 AM – 9:55 AM	Sponsor Networking
9:15 AM – 9:45 AM	Product Theater
9:15 AM – 9:55 AM	Poster Session B (Presenters in front of their boards)
9:55 AM – 10:25 AM	AST Presidential Introduction & Address
10:25 AM – 10:50 AM	AST Lifetime Achievement Award
10:50 AM – 11:00 AM	Break
11:00 AM – 11:30 AM	State of the Art Lecture # 1
11:30 AM – 11:55 AM	AJT Awards & Update
11:55 AM – 12:15 PM	Break
12:15 PM – 1:15 PM	Sponsored Satellite Symposia
12:15 PM – 1:15 PM	Meet-the-Expert Sessions
1:15 PM – 1:30 PM	Break
1:30 PM – 2:30 PM	IMPACT Sessions
2:30 PM – 3:00 PM	Sponsor Networking
2:30 PM – 3:00 PM	Poster Session B (Presenters in front of their boards)
2:30 PM – 3:00 PM	Poster Chats Session 1
3:00 PM – 4:10 PM	Focus in Transplantation: Basic Part 1
3:00 PM – 4:20 PM	Rapid Fire Oral Abstract Sessions
4:20 PM – 4:30 PM	Break
4:20 PM – 5:30 PM	Focus in Transplantation: Basic Part 2
4:30 PM – 5:30 PM	Rapid Fire Oral Abstract Sessions
5:30 PM – 5:45 PM	Break
5:45 PM – 7:30 PM	ASTS Town Hall

MONDAY, JUNE 5, 2023

7:00 AM – 8:00 AM	IMPACT Sessions
8:00 AM – 8:15 AM	Break
8:15 AM – 9:15 AM	Plenary Oral Abstract Session 2
9:15 AM – 9:55 AM	Sponsor Networking
9:15 AM – 9:45 AM	Product Theater
9:15 AM – 9:55 AM	Poster Session C (Presenters in front of their boards)
9:55 AM – 10:25 AM	ASTS Presidential Introduction & Address
10:25 AM – 10:50 AM	ASTS Pioneer Award
10:50 AM – 11:00 AM	Break
11:00 AM – 11:55 AM	Innovations in Transplantation

11:55 AM – 12:15 PM	Break
12:15 PM – 1:15 PM	Sponsored Satellite Symposia
12:15 PM – 1:15 PM	Meet-the-Expert Sessions
1:15 PM – 1:30 PM	Break
1:30 PM – 2:30 PM	IMPACT Sessions
2:30 PM – 3:00 PM	Sponsor Networking
2:30 PM – 3:00 PM	Poster Session C (Presenters in front of their boards)
2:30 PM – 3:00 PM	Poster Chats Session 2
3:00 PM – 4:10 PM	Focus in Transplantation: Translational Part 1
3:00 PM – 4:20 PM	Rapid Fire Oral Abstract Sessions
4:20 PM – 4:30 PM	Break
4:20 PM – 5:30 PM	Focus in Transplantation: Translational Part 2
4:30 PM – 5:30 PM	Rapid Fire Oral Abstract Sessions
5:30 PM – 5:45 PM	Break
5:45 PM – 7:30 PM	AST Town Hall

TUESDAY, JUNE 6, 2023

7:00 AM – 8:00 AM	IMPACT Sessions
8:00 AM – 8:15 AM	Break
8:15 AM – 9:15 AM	Plenary Oral Abstract Session 3
9:15 AM – 9:45 AM	AST Research Grants Recognition
9:45 AM – 10:25 AM	Sponsor Networking
9:45 AM – 10:15 AM	Product Theater
9:45 AM – 10:25 AM	Poster Session D (Presenters in front of their boards)
10:25 AM – 11:25 AM	IMPACT Sessions
11:25 AM – 11:30 AM	Break
11:30 AM – 12:00 PM	ASTS Research Grants Recognition
12:00 PM – 12:30 PM	State of the Art Lecture # 2
12:30 PM – 12:45 PM	Break
12:45 PM – 1:45 PM	Sponsored Satellite Symposia
12:45 PM – 1:45 PM	Meet-the-Expert Sessions
1:45 PM – 2:00 PM	Break
2:00 PM – 3:00 PM	IMPACT Sessions
3:00 PM – 3:30 PM	Sponsor Networking
3:00 PM – 3:30 PM	Poster Session D (Presenters in front of their boards)
3:00 PM – 3:30 PM	Poster Chats Session 3
3:30 PM – 5:00 PM	Rapid Fire Oral Abstract Sessions
3:30 PM – 4:30 PM	Year in 2023 Review
5:00 PM – 5:10 PM	Break
5:10 PM – 6:40 PM	Rapid Fire Oral Abstract Sessions

WEDNESDAY, JUNE 7, 2023

7:00 AM – 8:00 AM	IMPACT Sessions
8:00 AM – 8:15 AM	Break
8:15 AM – 9:15 AM	Plenary Oral Abstract Session 4
9:15 AM – 9:40 AM	People's Choice Award
9:40 AM – 9:50 AM	Break
9:50 AM – 11:00 AM	Controversies in Transplantation
11:00 AM – 11:10 AM	Break
11:10 AM – 11:50 AM	Late Breaking Clinical Trials Abstract Session
11:50 AM – 12:30 PM	What's Hot; What's New

Saturday, June 3, 2023

In-Depth Symposia

1:00 PM - 3:45 PM

Program Topic: Pediatric

Pediatric Combined Heart-Liver and Heart-Kidney Transplant

1:00 PM - 3:45 PM

Moderators:

Olga Charnaya, MD, MS, Johns Hopkins University, Baltimore, MD, USA

Kathleen Simpson, MD, University of Colorado Denver, Aurora, CO, USA

1:00 PM - 1:20 PM

Criteria to List for Combined Heart Liver Transplant

Noelle Ebel, MD, Stanford, Palo Alto, CA, USA

1:20 PM - 1:40 PM

Combined Heart Liver Transplant, Surgical Considerations, and Post-Operative Management

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

1:40 PM - 2:00 PM

Unique Transplant Anesthesia Considerations for Combined Heart Liver Transplant

Manchula Navaratnam, MD, Stanford, Cupertino, CA, USA

2:00 PM - 2:15 PM

Q&A

2:15 PM - 2:30 PM

Break

2:30 PM - 2:50 PM

The Case for Simultaneous Heart/Kidney Transplant: Pros vs. "Safety Net"/Sequential Transplant

Paul Grimm, MD, Stanford University, Palo Alto, CA, USA

2:50 PM - 3:10 PM

The Case for "Safety Net"/Sequential Heart and Kidney

Transplant

Caroline Lemoine, MD, Lurie Children's Hospital/Northwestern University, Chicago, IL, USA

3:10 PM - 3:30 PM

Multi-Disciplinary Care of Pediatric Multiple SOT Recipients

Cynthia Herrington, MD, Children's Hospital Los Angeles, Los Angeles, CA, USA

3:30 PM - 3:45 PM

Q&A

Program Topic: Kidney

A Globetrotter's Guide: Evaluation For Genetic Kidney Disease in Transplantation and Living Donation. Practical Genetics For the Transplant Nephrologist

1:00 PM - 3:45 PM

Moderators:

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

Brian Lee, MBBCh, Dell Seton Medical Center - University of Texas at Austin, Austin, TX, USA

1:00 PM - 1:15 PM

Role of Genetic Testing in Kidney Transplantation (Predicting Recurrence, Tailoring Therapy)

Ali Gharavi, MD, Columbia University Center for Genomics Medicine

1:15 PM - 1:30 PM

Evaluation of Genetic Kidney Diseases in Living Donor Candidates When Related Recipient Diagnosis is Known (e.g. ADPKD, COL4 Nephropathies, Fabry Disease)

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

1:30 PM - 1:45 PM

Assessment of Genetic Disease in Living Donor Candidates Without an Established Diagnosis in Their Related Recipients

Yasar Caliskan, MD, Saint Louis University School of Medicine, Saint Louis, MO, USA

1:45 PM - 2:00 PM

Interpreting Genetic Test Reports and Counseling

Transplant Recipients and Living Donors

Hila Milo Rasouly, PhD, MS, GC, Center for Precision Medicine and Genomics, Columbia University Irving Medical Center, New York, NY, United States

2:00 PM - 2:15 PM
Q&A

2:15 PM - 2:30 PM
Break

2:30 PM - 2:45 PM
How to Use or Not Information on APOL1 Biallelic Variants
Mona Doshi, MBBS, University of Michigan, Ann Arbor, MI, USA

2:45 PM - 3:00 PM
The Renal Genetics Clinic –Promoting Genomics Education in Nephrology and Transplantation
Christie Thomas, MD, Carver College of Medicine - University of Iowa, Iowa City, IA, USA

3:00 PM - 3:15 PM
Polygenic Risk Scores for Kidney Transplant Outcomes – Are They Ready for Prime Time?
Krzysztof Kiryluk, MD, MS, Columbia University, New York, NY, USA

3:15 PM - 3:30 PM
Transplant Genetics: Ethical, Legal, and Social Implications
Elisa Gordon, PhD, MPH, Vanderbilt University Medical Center, Nashville, TN, USA

3:30 PM - 3:45 PM
Q&A

Program Topic: Heart & Lung

Don't Stop Me Now: Low Volume, High Risk Dual Organ Transplantation - Opportunities and Challenges

1:00 PM - 3:45 PM
Moderators:
Matthew Hartwig, MD, Duke University, Durham, NC, USA

Teresa De Marco, MD, FACC, FHSA, University of California San Francisco, San Francisco, CA, USA

1:00 PM - 1:15 PM
Come Together Right Now: Heart-Liver Transplantation (Medical Perspective)
Jignesh Patel, MD, PhD, Cedars-Sinai Smidt Heart Institute, Los Angeles, CA, USA

1:15 PM - 1:30 PM
Come Together Right Now: Heart-Liver Transplantation (Surgical Perspective)
Fady Kaldas, MD, FACS, University of California Los Angeles (Multi-Organ), Los Angeles, CA, USA

1:30 PM - 1:45 PM
With a Little Help From My Friends: Lung-Liver Transplantation (Medical Perspective)
Denis Hadjiliadis, MD, University of Pennsylvania, Philadelphia, PA, USA

1:45 PM - 2:00 PM
With a Little Help From My Friends: Lung-Liver Transplantation (Surgical Perspective)
Kenneth Washburn, MD, The Ohio State University, Columbus, OH, USA

2:00 PM - 2:15 PM
Q&A

2:15 PM - 2:30 PM
Break

2:30 PM - 2:45 PM
Stand By Me: Lung- Kidney Transplantation (Medical Perspective)
Deborah Adey, MD, University of California San Francisco, San Francisco, CA, USA

2:45 PM - 3:00 PM
Stand By Me: Lung- Kidney Transplantation (Surgical Perspective)
Norihisa Shigemura, MD, PhD, Temple University and Lewis Katz School of Medicine, Philadelphia, PA, USA

3:00 PM - 3:15 PM
Take A Chance on Me: Immunologic Considerations and Immunosuppression Strategies in Dual Organ Transplantation
Robert Montgomery, MD, DPhil, FACS, New York

University Langone Transplant Institute, New York, NY, USA

2:15 PM - 2:30 PM
Break

3:15 PM - 3:30 PM

In All Fairness: Ethical Considerations in High Risk Dual Organ Transplantation

Carrie Thiessen, MD, PhD, University of Wisconsin Madison, Madison, WI, USA

2:30 PM - 2:45 PM

Advanced Practice Providers in Living Donation: Models for Pre-Donation Care

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

3:30 PM - 3:45 PM

Q&A

2:45 PM - 3:00 PM

Advanced Practice Providers in Living Donation: Models for Perioperative Care

Emily Herriman, ANP-BC, University of Michigan, Ann Arbor, MI, USA

Program Topic: Advanced Practice Provider & Professional Development

Bringing Living Donor Liver Transplantation to a Program Near You

3:00 PM - 3:15 PM

Advanced Practice Providers in Living Donation: Models for Post-Donation and Long-Term Care

Paige Morgan, PA-C, Mayo Clinic, Phoenix, AZ, USA

1:00 PM - 3:45 PM

Moderators:

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

Madhukar Patel, MD, MBA, ScM, University of Texas Southwestern Medical Center, Dallas, TX, USA

3:15 PM - 3:45 PM

Q&A

Program Topic: Infectious Disease

Steering the Ship: Diagnostic and Antimicrobial Stewardship in Transplant ID

1:00 PM - 1:15 PM

Do we Need a LDLT Program at our Institution?

Kim Olthoff, MD, University of Pennsylvania, Philadelphia, PA, USA

1:00 PM - 3:45 PM

Moderators:

Stephanie Pouch, MD, MS, FAST, Emory University School of Medicine, Atlanta, GA, USA

Judith Anesi, MD, MSCE, University of Pennsylvania, Philadelphia, PA, USA

1:15 PM - 1:30 PM

Searching for a Donor: Donor Champion, Donor Ambassador, Outreach, and Marketing

Swaytha Ganesh, MD, UPMC, Pittsburgh, PA, USA

1:30 PM - 1:45 PM

Non-Directed Donors: Special Considerations and Practices

Nazia Selzner, MD, PhD, UHN, Toronto, ON, Canada

1:00 PM - 1:15 PM

Transplant ID: Ready for Prime Time?

Jose Camargo, MD, University of Miami Miller School of Medicine, Miami, FL, USA

1:45 PM - 2:00 PM

Strategies to Meet UNOS Regulations for Donor Follow-up

Erika Venniro, PA, University of Rochester Medical Center, Rochester, NY, USA

1:15 PM - 1:30 PM

Fungal Biomarkers: Are They Reliable?

Julie Steinbrink, MD, Duke University, Durham, NC, USA

2:00 PM - 2:15 PM

Q&A

1:30 PM - 1:45 PM

Multiple Multiplex PCRs: How Much is Too Much?

Carlos Gomez, MD, University of Nebraska Medical Center, Omaha, NE, USA

1:45 PM - 2:00 PM

Therapeutic Drug Monitoring in Antifungals: When is it Needed?

Shahid Husain, MDMS, University Health Network
Toronto, Toronto, ON, Canada

2:00 PM - 2:15 PM

Q&A

2:15 PM - 2:30 PM

Break

2:30 PM - 2:45 PM

Are There Unintended Impacts of Broad Spectrum Antibiotics Pre-Liver Transplant?

Jessica Ferguson, MD, Stanford University, Stanford, CA, USA

2:45 PM - 3:00 PM

Do Antibiotics in MCS/VAD Patients Impact Heart Transplant Outcomes?

Varun Phadke, MD, Emory University, Decatur, GA, USA

3:00 PM - 3:15 PM

Antifungal Prophylaxis and Lung Transplant: Together Forever?

Joanna Nelson, MD, Stanford University, Palo Alto, CA, USA

3:15 PM - 3:30 PM

Candida and Mold Prophylaxis in Liver Transplant: How Long is Long Enough?

Graeme Forrest, MBBS, Rush University Medical Center, Chicago, IL, USA

3:30 PM - 3:45 PM

Q&A

Program Topic: Liver

Controversial Living Liver Donors: Best Approaches to Unique Scenarios

1:00 PM - 3:45 PM

Moderators:

Nicolas Goldaracena, MD, University of Virginia, Charlottesville, VA, USA

Tarunjeet Klair, MD, UT Health Science Center, San Antonio, San Antonio, TX, USA

1:00 PM - 1:15 PM

Approach to the Living Liver Donor with Steatosis

Juan Caicedo, MD, Northwestern University Feinberg School of Medicine, Chicago, IL, USA

1:15 PM - 1:30 PM

Approach to the Donor with Complex Vasculature: Duplicate Portal Veins and Multiple Arteries

Koji Hashimoto, MD, PhD, Cleveland Clinic, Cleveland, OH, USA

1:30 PM - 1:45 PM

Approach to the Living Donor with Psychosocial and Socioeconomic Challenges: What is Acceptable and Safe?

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

1:45 PM - 2:15 PM

Q&A

2:15 PM - 2:30 PM

Break

2:30 PM - 2:45 PM

Considering a Previous Kidney Donor as a Living Liver Donor

Jeremy Taylor, MD, University of Rochester Medical Center, Rochester, NY, USA

2:45 PM - 3:00 PM

Approach to Non-Directed Living Liver Donors Individually and as a Program

Benjamin Samstein, MD, Weill Cornell Medicine, New York, NY, USA

3:00 PM - 3:15 PM

The Donor with Multiple Bile Ducts: Best to Abort or Clinical Opportunity?

Tarunjeet Klair, MD, UT Health Science Center San Antonio, San Antonio, TX, USA

3:15 PM - 3:45 PM

Q&A

Program Topic: Pharmacy

Transplant Pharmacy Blueprint in 2023: How, When, and Where to Optimize Our Services

1:00 PM - 3:45 PM

Moderators:

Beth Kelly, PharmD, IU Health- University Hospital, Indianapolis, IN, USA

Megan Keck, PharmD, Nebraska Medicine, Omaha, NE, USA

1:00 PM - 1:15 PM

Essential Building Blocks of Transplant Pharmacy Models

Christina Doligalski, PharmD, BCPS, CPP, FAST, FCCP, University of North Carolina, Chapel Hill, NC, USA

1:15 PM - 1:30 PM

Strategic Growth of a Transplant Pharmacy Team - Making a Compelling Case to the C-Suite

Ashley Feist, PharmD, University of California San Diego, La Jolla, CA, USA

1:30 PM - 1:45 PM

Don't Take on More than You Can Prescribe: Balancing Wellness with Expansion

Matt Harris, PharmD, MHS BCPS, FAST, Duke University Hospital, Durham, NC, USA

1:45 PM - 2:00 PM

Pre-Transplant Pharmacy Adherence Clinic: Impact on Listing and Transplantation

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

2:00 PM - 2:15 PM

Q&A

2:15 PM - 2:30 PM

Break

2:30 PM - 2:45 PM

Utilization of a Transplant Pharmacy Collaborative Agreement (CPA) to Optimize Care for Patients and Financial Success for the Institution

Ann Kataria, PharmD, Baylor University Medical Center, Dallas, TX, USA

2:45 PM - 3:00 PM

Growing Up... How to Successfully Transition Pediatric Transplant Recipients to the Adult Transplant World

Mary Chandran, PharmD, University of North Carolina Medical Center, Chapel Hill, NC, USA

3:00 PM - 3:15 PM

We Can Do It - Pharmacists Take on Post-Transplant Diabetes Mellitus

Helen Sweiss, PharmD, University Health System, San Antonio, TX, USA

3:15 PM - 3:30 PM

Transplant Pharmacy Triumphs in the COVID era: Vaccines, Antivirals, and Antibodies

Jennifer McDermott, PharmD, BCTXP, BCPS, Spectrum Health, Grand Rapids, MI, USA

3:30 PM - 3:45 PM

Q&A

Program Topic: Other

A New Paradigm Enabled by Portable Non-ischemic Organ Perfusion with Standardized National Procurement and Clinical Management for Heart, Lung, and Liver Transplants

1:00 PM - 3:45 PM

Moderators:

James Guarrera, MD, FACS, Rutgers New Jersey Medical School, Newark, NJ, USA

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

1:00 PM - 1:15 PM

TA-NRP: Current Clinical Evidence and Recent Advances
Amy Fiedler, MD, University of California San Francisco, San Francisco, CA, USA

1:15 PM - 1:30 PM

Ethics of NRP

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

1:30 PM - 1:45 PM

Expanding Access to Donor Livers with Machine Perfusion Services: Overcoming Challenges and Developing Solutions

Rafik Ghobrial, MD, PhD, Houston Methodist Hospital, Houston, TX, USA

1:45 PM - 2:15 PM

Q&A

2:15 PM - 2:30 PM

Break

2:30 PM - 2:45 PM

Expanding Access to Donor Hearts with Machine Perfusion: Overcoming Challenges and Developing Solutions

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

2:45 PM - 3:00 PM

Expanding Access to Donor Lungs with Machine Perfusion Services: Overcoming Challenges and Developing Solutions

Stephen Huddleston, MD, PhD, University of Minnesota Health, Minneapolis, MN, USA

3:00 PM - 3:15 PM

Machine Perfusion - Lessons Learned from European Practices

Umberto Cillo, MD, University of Padova, Padova, Italy

3:15 PM - 3:30 PM

Experience of More Than 1000 Livers on the OCS. What Has Been Achieved so far and the Next Steps

Magdy Attia, MD, TransMedics, Andover, MA, USA

3:30 PM - 3:45 PM

Q&A

Program Topic: Basic Science & Translational

Applying Polygenic Risk Scores in Transplantation

1:00 PM - 3:45 PM

Moderators:

Abraham Shaked, MD, PhD, University of Pennsylvania, Philadelphia, PA, USA

Brendan Keating, PhD, University of Pennsylvania, Philadelphia, PA, USA

1:00 PM - 1:15 PM

Utilizing Genome-wide Datasets for Stratification of Allograft Rejection Risk Using PRS

Brendan Keating, PhD, University of Pennsylvania, Philadelphia, PA, USA

1:15 PM - 1:30 PM

Primary Kidney Disease and Post-transplant Recurrence

Risk Assessment Using PRS

Francesca Zanoni, MD, Columbia University, New York, NY, USA

1:30 PM - 1:45 PM

Polygenic Eplet Mismatch Scoring in Post-Transplant Outcomes

Massimo Mangiola, PhD D(ABHI), NYU Langone Health, New York, NY, USA

1:30 PM - 1:45 PM

Eplet Matching as a Tool for Risk Stratification in Donor Organ Acceptance

Chris Wiebe, MD, University of Manitoba, Winnipeg, MB, Canada

2:00 PM - 2:15 PM

Q&A

2:15 PM - 2:30 PM

Break

2:30 PM - 2:45 PM

Combining HLA and Non-HLA PRS for Assessing Allograft Survival

Loren Gragert, PhD, Tulane University School of Medicine, New Orleans, LA, USA

2:45 PM - 3:00 PM

Risk Stratification for Post-Transplant Diabetes Using Donor and Recipient Type 2 Diabetes PRS

Abraham Shaked, MD, PhD, University of Pennsylvania, Philadelphia, PA, USA

3:00 PM - 3:15 PM

Advancing Polygenic Risk Scores in Kidney Transplantation Donors and Recipients Towards the Individual Patient

Sophie Limou, PhD, Nantes University, Centrale Nantes, Nantes cedex 1, France

3:15 PM - 3:30 PM

Engineering Functional Polymorphisms into Human Cells Using CRISPR-Cas9

Casey Dorr, PhD, Hennepin Healthcare Research Institute, Minneapolis, MN, USA

3:30 PM - 3:45 PM

Q&A

Break

3:45 PM - 4:15 PM

Rapid Fire Oral Abstract Session

4:15 PM - 5:30 PM

Program Topic: Kidney

Kidney Psychosocial

4:15 PM - 5:30 PM

Moderators:

Jody Jones, PhD, University of Iowa Hospitals and Clinics, Iowa City, IA, USA

Camilla Nonterrah, PhD, University of Richmond, Richmond, VA, USA

4:15 PM - 4:25 PM

Unplanned Pregnancy After Kidney Transplant is Associated with Acute Graft Rejection

O. Yin¹, L. A. Coscia², S. Constantinescu³, M. J. Moritz⁴, M. Sarkar¹, Y. Afshar⁵, ¹UCSF, San Francisco, CA, ²Transplant Pregnancy Registry International, Gift of Life Institute, Philadelphia, PA, ³Temple University, Philadelphia, PA, ⁴Lehigh Valley Health Network, Allentown, PA, ⁵Division of Maternal Fetal Medicine, UCLA, Los Angeles, CA

4:25 PM - 4:35 PM

Racial Differences in Reactivation on the Kidney Transplant Waitlist Among Individuals Made Inactive Due to Insurance Issues

P. Jethwani¹, K. Ladin², L. Ying³, G. Gan⁴, Y. Deng⁴, D. Haakinson³, R. Batra³, S. Kulkarni³, ¹Methodist University Hospital, Memphis, TN, ²Departments of Occupational Therapy, Public Health and Community Medicine, Tufts University, Boston, MA, ³Department of Surgery, Yale University, New Haven, CT, ⁴Yale Center for Analytical Sciences, Yale University, New Haven, CT

4:35 PM - 4:45 PM

Race and Psychosocial Reasons for Exclusion from Kidney Transplantation in Each Phase of the Process

A. Anwar, C. Godfrey, T. Richardson, O. Zhao, J. Lawson, E. J. Gordon, L. Hickman, L. A. Binari, R. Forbes, B. P. Concepcion, *Vanderbilt University Medical Center, Nashville, TN*

4:45 PM - 4:55 PM

Postoperative Delirium and Incident Dementia Among Older Kidney Transplant Recipients

Y. Liu¹, J. Ruck², N. Chu², A. Mathur², D. Segev¹, M. McAdams DeMarco¹, ¹NYU Langone Health, New York, NY, ²Johns Hopkins, Baltimore, MD

4:55 PM - 5:05 PM

A Third Era? Trends in the Detailed Relationships of Living Kidney Donors to Recipients, 1996-2021

J. Daw, *Sociology & Criminology, The Pennsylvania State University, University Park, PA*

5:05 PM - 5:15 PM

Treatment Burden as a Novel Risk Factor for Rehospitalizations After Kidney Transplantation

E. C. Lorenz¹, W. K. Kremers², C. A. Schinstock², H. M. Wadei³, G. K. Mour⁴, A. D. Rule², A. L. Cheville², C. C. Kennedy², P. Khairallah¹, S. D. Navaneethan¹, W. C. Winkelmayr¹, D. T. Eton⁵, ¹Baylor College of Medicine, Houston, TX, ²Mayo Clinic, Rochester, MN, ³Mayo Clinic, Jacksonville, FL, ⁴Mayo Clinic, Phoenix, AZ, ⁵National Institutes of Health, Bethesda, MD

5:15 PM - 5:25 PM

Multistep Algorithm to Achieve Weight Loss Goal in Advanced Stage Obesity Kidney Transplant Candidates: A Single Center Interval Report

A. Shah, J. Cataldo, S. Atthota, L. Castaldo, L. Irwin, M. Thomas, L. Dageforde, N. Elias, *Massachusetts General Hospital, Boston, MA*

5:25 PM - 5:30 PM

Q&A

Program Topic: Liver

Liver: Pediatrics

4:15 PM - 5:30 PM

Moderators:

Megan Adams, MD, Children's Hospital of Colorado, Denver, CO, USA

Yong Kwon, MD, FACS, University of Southern California, Los Angeles, CA, USA

4:15 PM - 4:25 PM

Immediate Extubation After Pediatric Liver

Transplantation: Update on a Single Center Experience

P. N. Scalise¹, D. C. Koo¹, S. J. Staffa², A. G. Cuenca¹, H. B. Kim¹, E. J. Lee¹, ¹Department of Surgery, Pediatric Transplant Center, Boston Children's Hospital and Harvard Medical School, Boston, MA, ²Department of Anesthesiology, Critical Care and Pain Medicine, Boston Children's Hospital and Harvard Medical School, Boston, MA

4:25 PM - 4:35 PM

Regional Transcriptomes Reveal Differential Enrichment of Mechanisms and Novel Drug Targets in Liver Allografts with Acute Cellular Rejection (ACR)

R. Sindhi¹, D. Rajasundaram², M. Ningappa¹, C. Ashokkumar², B. W. Higgs², W. Mac Donald², G. Mazariegos³, A. Chattopadhyay⁴, S. Subramaniam⁵, M. Reyes-Múgica², ¹Childrens Hospital of Pittsburgh of UPMC, Pittsburgh, PA, ²Children's Hospital of Pittsburgh of UPMC, Pittsburgh, PA, ³Children's Hospital of Pittsburgh, Pittsburgh, PA, ⁴University of Pittsburgh, Pittsburgh, PA, ⁵University of California, San Diego, CA

4:35 PM - 4:45 PM

Auxiliary Partial Orthotopic Liver Transplant in Children with Acute Liver Failure; The Gold Standard?

S. Assia Zamora, M. Cortes Cerisuelo, W. Jassem, H. Vilca-Melendez, A. Dhawan, A. Baker, D. Hadzic, T. Gramatikopoulos, M. Samyn, S. Bansal, E. Kyrana, J. Hind, R. Thompson, E. Fitzpatrick, R. Hegarty, V. Jain, D. Wallace, A. Dolcet, L. Beltran-Pereira, N. Heaton, *King's College Hospital, London, United Kingdom*

4:45 PM - 4:55 PM

Immediate Revascularization of Early Hepatic Artery Thrombosis After Pediatric Liver Transplant: Is It Worth It?

C. P. Lemoine, K. A. Brandt, J. Caicedo, R. A. Superina, *Division of Transplant and Advanced Hepatobiliary Surgery, Lurie Children's Hospital/Northwestern University, Chicago, IL*

4:55 PM - 5:05 PM

Utilization of Normothermic Machine Perfusion in Pediatric Donor Livers

J. A. Sanchez Vivaldi¹, Y. Kadakia¹, M. MacConmara², M. Patel¹, J. Shah¹, S. Hanish¹, P. Vagefi¹, C. Hwang¹, ¹University of Texas Southwestern Medical Center, Dallas, TX, ²TransMedics, Andover, MA

5:05 PM - 5:15 PM

Liver Acuity Circles Allocation: Impact on Children on the Waitlist

J. Foutz¹, S. Weiss¹, E. Hsu², E. Perito³, J. Trotter⁴, S. Biggins⁵, J. Pomposelli⁶, ¹Research, UNOS, Richmond, VA, ²Seattle Children's Hospital, Seattle, WA, ³UCSF Benioff Children's Hospital, San Francisco, CA, ⁴BSW Health, Dallas, TX, ⁵University of Washington, Seattle, WA, ⁶University of Colorado, Aurora, CO

5:15 PM - 5:25 PM

The Accuracy of Non-Standardized MELD/PELD Score Exceptions in the Pediatric Liver Allocation System

D. Ahn¹, A. Gallo¹, K. Pelzer², R. Barth², W. Parker², ¹Stanford University, Stanford, CA, ²University of Chicago, Chicago, IL

5:25 PM - 5:30 PM

Q&A

Program Topic: Liver

Liver: Immunosuppression and Rejection

4:15 PM - 5:30 PM

Moderators:

Nizar Talaat, MD, University of Kansas Health System, Kansas City, KS, USA

Hussein Elsiey, MD, Baylor Scott & White Plano medical center, Dallas, TX, USA

4:15 PM - 4:25 PM

Distinguishing an Antibody-Mediated Rejection-Like State in Liver Transplants with High Expression of NK Cell Transcripts and IFNG-Induced Transcripts

K. S. Madill-Thomsen¹, P. T. Gauthier¹, P. F. Halloran¹, .. The INTERLIVER Study Investigators², ¹ATAGC, Edmonton, AB, Canada, ²., ., AB, Canada

4:25 PM - 4:35 PM

Operational Tolerance (TOL) is Associated with Missense Mutations in Immune Deficiency Genes That Regulate B-Cell Function

M. Ningappa¹, C. Ashokkumar¹, M. Laffey², D. Rajasundaram³, K. Kernan³, V. Sood³, G. Mazariegos³, K. Soltys³, J. Glessner⁴, H. Hakonarson⁴, R. Sindhi³, ¹Surgery, Children's Hospital of Pittsburgh of UPMC, Pittsburgh, PA, ²University of Pittsburgh, Pittsburgh, PA,

³Children's Hospital of Pittsburgh of UPMC, Pittsburgh, PA, ⁴Children's Hospital of Philadelphia, Philadelphia, PA

4:35 PM - 4:45 PM

Interplay Between Intrahepatic Macrophages and Alloreactive and Regulatory T-Cells Mediates the Complex Alloimmune Microenvironment During Acute Rejection in Clinical Liver Transplantation

A. Barbetta¹, B. Rocque², S. Bangerth³, C. Weaver⁴, J. Kim⁵, B. Roper³, S. Chopra⁶, R. Kohli⁷, J. Emamaullee⁵,
¹Surgery, Abdominal Transplant, University of Southern California, Los Angeles, CA, ²University of Southern California Keck School of Medicine, Burbank, CA, ³Surgery, University of Southern California, Los Angeles, CA, ⁴Children's Hospital-Los Angeles, Los Angeles, CA, ⁵University of Southern California, Los Angeles, CA, ⁶Pathology, University of Southern California, Los Angeles, CA, ⁷Pediatrics, Children's Hospital-Los Angeles, Los Angeles, CA

4:45 PM - 4:55 PM

Plasma Cell Rich Rejection Occurring in Autoimmune Hepatitis Liver Transplant Recipients: An Entity Adding to the Conundrum of Antibody Mediated Rejection

N. E. Albayrak¹, T. D. Schiano², M. I. Fiel¹, ¹Department of Pathology, Icahn School of Medicine at Mount Sinai, New York, NY, ²Recanati/Miller Transplant Institute, Icahn School of Medicine at Mount Sinai, New York, NY

4:55 PM - 5:05 PM

Phenotypic Personalized Medicine to Guide Immunosuppression Management in Liver Transplantation

J. F. Bruner¹, I. Angeli-Pahim¹, S. Mathur¹, S. Duarte¹, N. Padmanabhan², C. Ho², A. Zarrinpar¹, ¹Surgery, University of Florida, Gainesville, FL, ²Bioengineering, University of California, Los Angeles, Los Angeles, CA

5:05 PM - 5:15 PM

Desensitization of Highly Sensitized Patients Undergoing Living Donor Liver Transplant to Improve Post-Transplant Outcomes

E. Calderon, M. Khalil, M. Fujiki, C. Miller, B. Eghtesad, R. Raj, A. Khaled, K. Hashimoto, *Cleveland Clinic, Cleveland, OH*

5:15 PM - 5:25 PM

Risk Factors for Antibody-Mediated Rejection in Abo Blood-Type Incompatible and Donor-Specific Antibody-Positive Liver Transplantation

T. Tajima¹, K. Hata¹, H. Haga², J. Kusakabe¹, S. Kageyama¹, K. Yurugi³, R. Hishida³, X. Zhao¹, M. Nishikori⁴, M. Nagao³, A. Takaori-Kondo⁴, S. Uemoto¹, E. Hatano¹, ¹HBP Surgery and Transplantation, Kyoto University, Kyoto, Japan, ²Diagnostic Pathology, Kyoto University, Kyoto, Japan, ³Clinical Laboratory Medicine, Kyoto University, Kyoto, Japan, ⁴Hematology and Oncology, Kyoto University, Kyoto, Japan

5:25 PM - 5:30 PM

Q&A

Program Topic: Kidney

Kidney Living Donation

4:15 PM - 5:30 PM

Moderators:

Brian Lee, MD, Dell Seton Medical Center - University of Texas at Austin, Austin, TX, USA

Puneet Sood, MD, UPMC, Pittsburg, PA, USA

4:15 PM - 4:25 PM

Support Needs for Living Kidney Donor Candidates: Results from a Multicenter Qualitative Study

A. Daley¹, E. Alagoz¹, J. Gannon², S. Li², D. Dobosz², K. Kennedy³, D. Gray⁴, A. Mussell⁴, P. Reese⁴, E. Gordon³, S. Kulkarni², C. Thiessen¹, ¹University of Wisconsin, Madison, WI, ²Yale University, New Haven, CT, ³Northwestern University, Chicago, IL, ⁴University of Pennsylvania, Philadelphia, PA

4:25 PM - 4:35 PM

The First 58 Global Kidney Exchange Transplants: Overcoming Multiple Barriers to Transplantation

M. Rees¹, I. Marino², A. A. Alobaidli³, S. Paloyo⁴, R. Sung⁵, A. Cohen⁶, L. BASAGOITIA GONZALEZ⁷, F. Citterio⁸, A. Roth⁹, O. Ekwenna¹, J. R. Leventhal¹⁰, J. Hawksworth¹¹, M. Ellis¹², K. Krawiec¹³, T. Dunn¹⁴,
¹University of Toledo, Toledo, OH, ²Jefferson, Roma, Italy, ³Abu Dhabi Health Services Company, Abu Dhabi, United Arab Emirates, ⁴Philippine General Hospital, Manila, Philippines, ⁵University of Michigan Health System, Ann Arbor, MI, ⁶Ochsner Health System, New Orleans, LA, ⁷Pro Renal, Mexico City, Mexico, ⁸Gemelli Hospital, Rome, Italy, ⁹Stanford University, Stanford, CA, ¹⁰SURGERY, Northwestern Medicine, Chicago, IL, ¹¹Walter Reed National Military Medical Center,

Washington DC, DC, ¹²Duke University Hospital, Durham, NC, ¹³University of Virginia School of Law, Charlottesville, VA, ¹⁴Hospital of the University of Pennsylvania, Philadelphia, PA

4:35 PM - 4:45 PM

Similar Results in Abo-Incompatible and Kidney Paired Donation Living Donor Kidney Transplantation, with Worse Death-Censored and Patient Survivals in Those Patients Included in the National Kidney Exchange Program Due to Abo Incompatibility

A. Barrera¹, M. Lozano², A. Gonzalez³, E. Montagud-Marrahi³, E. Palou⁴, J. Cid⁵, D. Paredes⁶, M. Valentin-Oliva⁷, J. Caro⁴, D. Cucchiari³, M. Garcia⁷, J. Campistol³, B. Domínguez-Gil⁷, F. Oppenheimer⁸, F. Diekmann³, L. Revuelta³, ¹Department of Nephrology and Kidney Transplant, Hospital Insular de Gran Canaria, Las Palmas de Gran Canaria, Spain, ²Apheresis and Cell Therapy Unit, Hospital Clínic, Barcelona, Spain, ³Department of Nephrology and Kidney Transplant, Hospital Clinic, Barcelona, Spain, ⁴Department of Immunology, Hospital Clinic, Barcelona, Spain, ⁵Apheresis and Cell Therapy Unit, Hospital Clinic, Barcelona, Spain, ⁶Organ Coordination Unit, Hospital Clinic, Barcelona, Spain, ⁷Organ Transplant Organization (ONT), Madrid, Spain, ⁸Department of Nephrology and Kidney Transplant, Hospital Clínic, Barcelona, Spain

4:45 PM - 4:55 PM

Prediction of Graft Survival Among Living Donor Kidney Transplant: An Artificial Intelligence Approach

H. K. Ali, M. Mohamed, University Hospitals of Coventry and Warwickshire, Coventry, United Kingdom

4:55 PM - 5:05 PM

Converting Interested Into Actual Non-Directed Living Donors: Opportunities to Increase Donor Conversion Rates within Paired Donation Programs

A. D. Waterman¹, C. Pulicken¹, M. Ronin², J. Verbese³, A. Hinojosa¹, C. L. Klein⁴, M. Cooper⁵, ¹Houston Methodist Hospital, Houston, TX, ²National Kidney Registry, Greenwich, CT, ³Georgetown University Hospital, Washington, DC, ⁴Piedmont Transplant Institute, Atlanta, GA, ⁵Medical College of Wisconsin, Milwaukee, WI

5:05 PM - 5:15 PM

Consequences of Low Estimated Glomerular Filtration Rate (eGFR) Either Pre- or Early Post Kidney Donation

M. D. Evans¹, E. S. Helgeson², A. Rule³, D. Vock², A. J. Matas⁴, ¹BDAC Associate Director and Senior Biostatistician, University of Minnesota, Minneapolis, MN, ²Biostatistics, University of Minnesota, Minneapolis, MN, ³Mayo Clinic, Rochester, MN, ⁴Surgery, University of Minnesota, Minneapolis, MN

5:15 PM - 5:25 PM

Kidney Paired Donation in the Latin America and Caribbean

J. Bastos¹, D. J. Machado², G. Ferreira¹, R. M. Moreira², V. Colares¹, A. Pires¹, C. M. Assunção¹, E. David-Neto², ¹Santa Casa de Misericórdia de Juiz de Fora, Juiz de Fora, Brazil, ²Hospital das Clínicas da Universidade de São Paulo, São Paulo, Brazil

5:25 PM - 5:30 PM

Q&A

Program Topic: Infectious Disease

Transplant ID Miscellaneous

4:15 PM - 5:30 PM

Moderators:

Ricardo La Hoz, MD, UT Southwestern Medical Center, Dallas, TX, USA

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

4:15 PM - 4:25 PM

Next Generation Sequencing of the Microvirome in a Cohort of Renal Transplant Recipients with Unexplained Viral Syndromes

A. C. Johnson, G. M. Karadkhele, C. P. Larsen, Emory University, Atlanta, GA

4:25 PM - 4:35 PM

Defining the Landscape of Educational Experiences in Transplant Infectious Diseases: A National Survey of ID Fellows

V. K. Phadke¹, S. Nematollahi², J. M. Steinbrink³, R. Bartash⁴, M. K. Morales⁵, S. C. Roberts⁶, M. I. Ardura⁷, N. M. Theodoropoulos⁸, ¹Emory University, Atlanta, GA, ²University of Arizona, Tucson, AZ, ³Duke University, Durham, NC, ⁴Montefiore Medical Center/Albert Einstein College of Medicine, The Bronx, NY, ⁵Virginia Commonwealth University, Richmond, VA, ⁶Yale

University, New Haven, CT, ⁷Nationwide Children's Hospital, The Ohio State University College of Medicine, Columbus, OH, ⁸UMass Chan Medical School, Worcester, MA

4:35 PM - 4:45 PM

Quantifying the Relationship Between Tacrolimus Dose and Post-Transplant Relative Abundance of Clostridioides Difficile in Kidney Transplant Recipients with Similar Metabolism Based on Identical CYP3A5 Variants

M. Nayeypour¹, N. Koizumi², J. Melancon³, H. Ibrahim³, O. Ekwenna⁴, ¹Virginia BioAnalytics, Washington, DC, ²George Mason University, Arlington, VA, ³George Washington University Hospital, Washington, DC, ⁴The University of Toledo Medical Center, Toledo, OH

4:45 PM - 4:55 PM

Gut Microbiota Dysbiosis with Differential Abundance of Ruminococcaceae is a Feature of Vancomycin-Resistant Enterococcus Colonization in Kidney Transplant Recipients

A. Uhlemann¹, K. Lewis¹, T. Barbar², D. Dadhania², J. Lee², ¹Columbia University Vagelos College of Physicians and Surgeons, New York, NY, ²Weill Cornell Medicine, New York, NY

4:55 PM - 5:05 PM

The Antimicrobial Stewardship Predicament While Treating Asymptomatic Bacteriuria in Kidney Transplant Recipients: A Standpoint from All Clinical Trials

S. Sahra¹, A. Jahangir², S. Thind³, ¹Section of Infectious Diseases, Oklahoma University of Health Sciences Center (OUHSC), Oklahoma City, OK, ²Department of Critical Care and Pulmonary Medicine, OUHSC, Oklahoma, OK, ³Section of Infectious Diseases, Faculty at OUHSC, Oklahoma City VA Medical Center, Oklahoma City, OK

5:05 PM - 5:15 PM

Effect of Single-Strength Trimethoprim-Sulfamethoxazole on Early Post Kidney Transplant Urinary Tract Infections

K. Kraft, W. Johnson, R. Kempel, J. Lawson, S. Shawar, H. Schaefer, B. Concepcion, R. Forbes, D. Shaffer, L. Hickman, Vanderbilt University Medical Center, Nashville, TN

5:15 PM - 5:25 PM

Evaluation of Oral Beta-Lactam Step-Down Therapy for Enterobacterales Bacteremia in Solid Organ Transplant

Recipients

M. Rao, L. Ganaden, K. Schwarz, B. Crowther, E. Sartain, University of Colorado Hospital, Aurora, CO

5:25 PM - 5:30 PM

Q&A

Program Topic: Heart

Biomarkers in Cardiothoracic Transplantation

4:15 PM - 5:30 PM

Moderators:

Michael Shullo, PharmD, WVU Medicine, Morgantown, WV, USA

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

4:15 PM - 4:25 PM

Correlation of Plasma Cell-Free DNA with Molecular Rejection in Heart Transplant Biopsies

P. F. Halloran¹, J. Reeve¹, M. Mackova¹, Z. P. Demko², M. Olymbios², .. & the Trifecta-Heart Investigators³, ¹ATAGC, Edmonton, AB, Canada, ²Natera Inc., San Carlos, CA, ³.,., AB, Canada

4:25 PM - 4:35 PM

A Modern Heart Transplant Rejection Surveillance Protocol Utilizing Cell-Free Dna Testing - A Single Center Experience

A. Saeyeldin, S. Mckean, J. S. van Zyl, V. Darst, P. Noblitt, S. Hall, Heart Failure and Transplant Cardiology, Baylor University Medical Center, Dallas, TX

4:35 PM - 4:45 PM

Stratification of Biopsy Confirmed Rejection Severity Using Donor Derived Cell Free DNA and Gene Expression Profiling

C. Link¹, M. Kanwar¹, U. Jorde², Y. Fu³, J. Long³, L. Shen³, J. A. Kobashigawa⁴, N. Uriel⁵, ¹Allegheny Health Network, Pittsburgh, PA, ²Montefiore Medical Center, New York, NY, ³CareDx, South San Francisco, CA, ⁴Cedars-Sinai Smidt Heart Institute, Los Angeles, CA, ⁵Columbia University Irving Medical Center, Weill Cornell Medicine, New York, NY

4:45 PM - 4:55 PM

Impact of Primary Graft Dysfunction on Exosomal Liver

Kinase B1 Expression Following Lung Transplantation

M. A. Rahman¹, D. Scozzi¹, R. Ravichandran¹, S. Bansal¹, M. Smith², R. Bremner³, T. Mohanakumar⁴, ¹St. Joseph's Hospital and Medical Center, Phoenix, AZ, ²St. Joseph's Hospital and Medical Center, Phoenix, AZ, ³St. Joseph's Hospital and Medical Center, Phoenix, AZ, ⁴St. Joseph's Hospital and Medical Center, Phoenix, AZ

4:55 PM - 5:05 PM

Plasma Inflammatory Markers Associated with Lung Allograft Injury

S. Weigt¹, M. Y. Shino¹, S. Lari², V. Palchevskiy¹, N. D. Patel¹, J. A. Belperio¹, ¹Medicine, Pulmonary and Critical Care, David Geffen School of Medicine at UCLA, Los Angeles, CA, ²David Geffen School of Medicine at UCLA, Los Angeles, CA

5:05 PM - 5:15 PM

Phenotypes of Chronic Lung Allograft Dysfunction with Donor Specific Antibodies After Lung Transplantation

Z. T. Lonjers, R. R. Hachem, R. Vazquez-Guillamet, D. E. Byers, C. A. Witt, Division of Pulmonary and Critical Care Medicine, Washington University, St. Louis, MO

5:15 PM - 5:25 PM

Validation of a Blood Gene Signature to Predict Chronic Allograft Dysfunction in Lung Transplantation

R. Danger¹, E. Durand¹, A. Foureau¹, J. Claustre², A. Roux³, J. Le Pavec⁴, B. Coiffard⁵, B. Renaud-Picard⁶, J. Mornex⁷, X. Demant⁸, M. Reynaud-Gaubert⁹, A. Magnan¹⁰, A. Tissot¹, S. Brouard¹, ¹CR2TI- INSERM UMR 1064, CHU Nantes - Nantes Université, Nantes, France, ²Service Hospitalier Universitaire Pneumologie Physiologie, CHUGA, Grenoble, France, ³Service de Pneumologie et Transplantation Pulmonaire, Hôpital Foch, Suresnes, France, ⁴Centre Chirurgical Marie Lannelongue, Le Plessis Robinson, France, ⁵AP-HM Hôpital Nord, Aix Marseille Université, Marseille, France, ⁶CHU de Strasbourg, Strasbourg, France, ⁷CHU de Lyon, Lyon, France, ⁸Hôpital Haut-Lévêque, Université de Bordeaux, Bordeaux, France, ⁹CHU de Marseille, Marseille, France, ¹⁰Hôpital Foch, Suresnes, France

5:25 PM - 5:30 PM

Q&A

Program Topic: Basic Science

Biomarkers

4:15 PM - 5:30 PM

Moderators:

Deborah Levine, MD, Stanford University, Palo Alto, CA, USA

Lorenzo Gallon, MD, Northwestern University NMFF, Chicago, IL, USA

4:15 PM - 4:25 PM

Banff Human Organ Transplant Consensus Gene Panel for Detecting Antibody Mediated Rejection in Heart Allograft Biopsies

A. Giarraputo¹, G. Coutance², O. Aubert², D. Zielinski², F. Mezzine³, M. Mengel³, M. Fedrigo⁴, J. Duong Van Huyen², P. Bruneval², A. Angelini⁴, A. Loupy², ¹Paris Transplant Institute, Paris, France, ²Paris Transplant Group, Paris, France, ³University of Alberta, Edmonton, AB, Canada, ⁴Cardiovascular Pathology Unit, Padova, Italy

4:25 PM - 4:35 PM

Molecular Diagnostic Classification of Heart Allograft Rejection Based on the Targeted Banff Human Organ Transplant Gene Expression Panel

A. Giarraputo¹, G. Coutance¹, M. Fedrigo², O. Aubert¹, B. Robin¹, J. Dagobert¹, I. Barison², C. Castellani², F. Mezzine¹, P. Rouvier¹, P. Bruneval¹, J. Duong Van Huyen¹, J. A. Kobashigawa³, J. K. Patel⁴, A. Angelini², A. Loupy¹, ¹Paris Transplant Group, Paris, France, ²Cardiovascular Pathology Unit, Padova, Italy, ³Cedars-Sinai Smidt Heart Institute, Los Angeles, CA, ⁴Paris Transplant Group, Cedars-Sinai Smidt Heart Institute, CA

4:35 PM - 4:45 PM

Heartcare Across the Age Spectrum

M. Kamath¹, M. Deng¹, K. Oreschak², M. Fei², L. M. Jenkins², J. Kobulnik², J. Teuteberg³, D. Baran⁴, ¹UCLA, Los Angeles, CA, ²CareDx, South San Francisco, CA, ³Stanford University, Stanford, CA, ⁴Cleveland Clinic Heart, Vascular and Thoracic Institute, Parkland, FL

4:45 PM - 4:55 PM

Effect of COVID-19 Infection on HeartCare: Updated Data from the SHORE Multicenter Registry

Y. Brailovsky¹, I. Rajapreyar², A. Vaidya³, A. Wolfson³, P. Uber⁴, K. Oreschak⁵, K. Pinney⁵, J. Kobulnik⁵, L. M.

Jenkins⁵, M. Kamath⁶, M. Deng⁶, N. Raval⁷, P. Shah⁸, S. R. Patel⁹, E. DePasquale³, ¹Advanced Heart Failure, Mechanical Circulatory Support, Heart Transplant, Jefferson Heart Institute, Philadelphia, PA, ²Jefferson Heart Institute, Philadelphia, PA, ³University of Southern California, Valley Village, CA, ⁴Thomas Jefferson University Hospitals, Philadelphia, PA, ⁵CareDx, South San Francisco, CA, ⁶UCLA, Los Angeles, CA, ⁷Advent Health Transplant Institute, Orlando, FL, ⁸Inova Heart and Vascular Institute, Falls Church, VA, ⁹Montefiore Medical Center, New York, NY

4:55 PM - 5:05 PM**The Diagnosis and Preemptive Prediction of Kidney Antibody-Mediated Rejection Based on Allograft Transcriptome Profiling**

M. Liao, K. Lee, K. Deng, C. Leguern, J. F. Markmann, Center for Transplantation Sciences, Massachusetts General Hospital, Boston, MA

5:05 PM - 5:15 PM**Validation of a Urinary Exosome Mrna Signature for the Diagnosis of Human Kidney Transplant Rejection**

R. El Fekih¹, J. Hurley², B. C. Haynes², S. Kumar², J. Y. Choi¹, N. Younis¹, A. Halawi¹, A. Weins¹, A. Chandraker¹, J. Markmann³, R. Formica⁴, C. Macedo⁵, J. Skog², J. Azzi¹, ¹Brigham and Women's Hospital, Boston, MA, ²Exosome Diagnostics, Waltham, MA, ³Mass General Hospital, Boston, MA, ⁴Yale University School of Medicine, New Haven, CT, ⁵Starzl Transplantation Institute, Pittsburgh, PA

5:15 PM - 5:25 PM**Computational Analysis of Multiplex Immunofluorescence Imaging Identifies Endothelial Cell-Macrophage Interaction as a Potential Novel Spatial Biomarker in Antibody Mediated Kidney Rejection**

T. Hirai¹, A. Kondo², T. Shimizu¹, S. Horita¹, D. Tokita³, A. Mayer², H. Ishida¹, ¹Kidney Center, Tokyo Women's Medical University, Tokyo, Japan, ²Enable Medicine, Inc., Menlo Park, CA, ³Clinical and Academic Research Promotion Center, Tokyo Women's Medical University, Tokyo, Japan

5:25 PM - 5:30 PM**Q&A****Program Topic: Basic Science****Histocompatibility and Immunogenetics****4:15 PM - 5:30 PM****Moderators:**

Omar Moussa, PhD, Medical University of South Carolina, Charleston, SC, USA

Kelley Hitchman, MS, PhD, F(ACHI), UT Health San Antonio, San Antonio, TX, USA

4:15 PM - 4:25 PM**Genome-Wide Survival Study Identifies Two Novel Associations Between Non-HLA Donor-Recipient Mismatches and Kidney Graft Failure**

V. Mauduit¹, A. Durand¹, M. Morin¹, O. Rousseau¹, P. Gourraud¹, G. Blancho¹, N. Vince¹, M. Giral¹, G. Jean², M. Ribate³, S. Limou¹, ¹Nantes Université, CHU Nantes, Centrale Nantes, Inserm, Center for Research in Transplantation and Translational Immunology CR2TI, UMR 1064, Nantes, France, ²Nantes Université, CNRS, Nantes Digital Sciences Laboratory LS2N, UMR 6004, Nantes, France, ³Nantes Université, Centrale Nantes, CNRS, Jean Leray Mathematics Laboratory LMJL, UMR 6629, Nantes, France

4:25 PM - 4:35 PM**Dynamic Expression of HLA Class II Molecules on Human Glomerular Endothelial Cells**

M. Meneghini¹, A. Armstrong Antunes¹, D. Isaacson², C. Maguire¹, A. Tambur¹, ¹Transplant Immunology Laboratory, Northwestern University, Chicago, IL, ²Urology, Surgery, Northwestern University Feinberg School of Medicine, Chicago, IL

4:35 PM - 4:45 PM**HLA Epitope Electrostatics - A Novel Methodology to Compare HLA Surface Electrostatic Potential**

H. Copley¹, E. Félix², M. Manook¹, C. Kling³, D. Kabelitz³, A. Leach², V. Kosmoliaptis¹, ¹University of Cambridge, Cambridge, United Kingdom, ²EMBL-EBI, Hinxton, United Kingdom, ³Christian-Albrechts University Kiel, Kiel, Germany

4:45 PM - 4:55 PM**Toward a Combined DR + DQ Human Leukocyte Antigen Molecular Mismatch Score for Risk Stratification of Pediatric Heart Transplant Patients**

M. Ellison¹, M. Mangiola², M. Marrari³, C. Bentelejewski³,
J. Sadowski¹, D. Zern¹, C. Kramer⁴, S. Heidt⁴, M.
Niemann⁵, Q. Xu³, B. Feingold⁶, S. Webber⁷, A. Zeevi³,
¹University of Pittsburgh Medical Center, Pittsburgh, PA,
²New York University Langone Medical Center, New
York, NY, ³Department of Pathology, University of
Pittsburgh, Pittsburgh, PA, ⁴Department of Immunology,
Leiden University Medical Center, Leiden, Netherlands,
⁵PIRCHE AG, Berlin, Germany, ⁶Children's Hosp of
Pittsburgh, Pittsburgh, PA, ⁷Vanderbilt University,
Nashville, TN

4:55 PM - 5:05 PM

**"EpitopeR," Streamlined Prediction of Immunogenic
Peptide Presentation by MHC**

A. C. Johnson, J. Zhang, C. P. Larsen, *Surgery, Emory
University, Atlanta, GA*

5:05 PM - 5:15 PM

**HLA Eplets Are Common in the World Population and Do
Not Impact Equity**

M. Mangiola¹, M. Ellison², M. Mankowski³, M. Marrari², S.
E. Gentry⁴, D. Segev⁴, A. Zeevi², ¹Transplant Institute,
New York University Langone Medical Center, New York,
NY, ²University of Pittsburgh Medical Center, Pittsburgh,
PA, ³Erasmus University, Rotterdam, Netherlands, ⁴C-
STAR, New York University Grossman School of
Medicine, New York, NY

5:15 PM - 5:25 PM

**Sex Hormone-Specific Dc and T Cell Interactions in
Alloimmunity: A Single Cell Analysis**

Y. Xiao, T. Matsunaga, F. Martin, R. Maenosono, H.
Zhou, S. Tullius, *Brigham and Women's Hospital, Boston,
MA*

5:25 PM - 5:30 PM

Q&A

Program Topic: Basic Science

Signaling and Metabolism

4:15 PM - 5:30 PM

Moderators:

Xunrong Luo, MD, PhD, Duke University School of
Medicine, Durham, NC, USA

4:15 PM - 4:25 PM

**Regulation of the Development of Cd4+cd57+pd1- Cells by
Il-7/il-15/mTOR Pathway**

S. Li, H. Xu, A. D. Kirk, *Surgery, Duke University,
Durham, NC*

4:25 PM - 4:35 PM

**Mitochondrial Dysfunction and Alloimmunity in Chronic
Lung Transplant Rejection**

M. Cano¹, D. Zhou², C. Chen³, K. Pugh⁴, D. Byers⁵, D.
Kreisel⁶, A. Gelman⁷, ¹Pulmonary and Critical Care,
Washington University in Saint Louis, Saint Louis, MO,
²Surgery, Washington University School of Medicine,
Saint Louis, MO, ³UT Southwestern Medical Center,
Dallas, TX, ⁴Cell and Developmental Biology, University
of Michigan, Ann Arbor, MI, ⁵Pulmonary and Critical Care,
Washington University School of Medicine, Saint Louis,
MO, ⁶Cardiothoracic Surgery, Washington University
School of Medicine, Saint Louis, MO, ⁷Surgery and
Immunology and Pathology, Washington University of
Medicine, Saint Louis, MO

4:35 PM - 4:45 PM

**Human Antigen R (HuR) Dictates CEACAM1
Cytoprotection in Liver Injury in Mouse and Humans**

K. J. Dery¹, B. Cheng², M. Wei², Z. Wong³, H. Kojima³, H.
Hirao², S. Yao⁴, J. Kupiec-Weglinski⁵, ¹Surgery, UCLA,
Los Angeles, CA, ²UCLA, Los Angeles, CA, ³UCLA, LA,
CA, ⁴Surgery, University of California, Los Angeles, Los
Angeles, CA, ⁵UCLA Medical Center, Los Angeles, CA

4:45 PM - 4:55 PM

**Il-10 Direct Signaling in T Cells is Essential for Transplant
Tolerance Induction Via CD40/CD154 Pathway Blockade**

M. Iglesias Lozano, D. Bibicheff, A. Komin, M. Chicco, G.
Brandacher, G. Raimondi, *Plastic & Reconstructive
Surgery, Johns Hopkins School of Medicine, Baltimore,
MD*

4:55 PM - 5:05 PM

**Water Channel Aquaporin 4 is Required for T Cell
Activation**

M. Nicosia¹, A. Beavers¹, D. Kish¹, G. W. Farr², P. R.
McGuirk², M. F. Pelletier², R. L. Fairchild¹, A. Valujskikh¹,
¹Inflammation and Immunity, Cleveland Clinic, Lerner
Research Institute, Cleveland, OH, ²Aeromics, Cleveland,
OH

5:05 PM - 5:15 PM

Rifaximin Treatment Improves Liver Transplant Outcomes by Promoting Hepatocellular Regeneration

H. Kojima¹, S. Kageyama², D. Noguchi¹, K. J. Dery¹, T. Torgerson¹, K. Kadono¹, H. Hirao¹, K. Nakamura², S. Yao¹, F. M. Kaldas¹, J. W. Kupiec-Weglinski¹, ¹The Dumont-UCLA Transplant Center, Department of Surgery, David Geffen School of Medicine at UCLA, Los Angeles, CA, ²Surgery, Kyoto University, Kyoto, CA

5:15 PM - 5:25 PM

Hypoxia Inducible Factor Alpha (HIF-2 α) is a Global Regulator of Alternative Splicing Following Hepatic Ischemic Stress

K. J. Dery¹, M. Wei², Z. Wong², B. Cheng², H. Kojima², S. Yao³, J. Kupiec-Weglinski⁴, ¹Surgery, Dumont-UCLA Transplant Center, UCLA, Los Angeles, CA, ²UCLA, LA, CA, ³Surgery, University of California, Los Angeles, Los Angeles, CA, ⁴UCLA Medical Center, Los Angeles, CA

5:25 PM - 5:30 PM

Q&A

Sponsor Networking

5:30 PM - 7:00 PM

Program Topic: All Topics

Sponsor Networking

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

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:** Acute Rejection
- **Basic Science:** Antigen Presentation / Allrecognition / Co-Stimulation

- **Basic Science:** B-cell / Antibody / Autoimmunity
- **Basic Science:** Biomarkers: -omics and Systems Biology
- **Basic Science:** Biomarkers: Abdominal
- **Basic Science:** Chronic Organ Rejection
- **Infectious Disease:** COVID-19
- **Kidney:** Health Equity and Access
- **Kidney:** Kidney Acute Antibody Mediated Rejection
- **Kidney:** Kidney Chronic Antibody Mediated Rejection
- **Kidney:** Kidney Complications: Immune Mediated Late Graft Failure
- **Kidney:** Kidney Complications: Non-Immune Mediated Late Graft Failure
- **Liver:** Cirrhosis - Portal Hypertension and Other Complications
- **Liver:** Expanding the Donor Pool (Liver: MELD Allocation / Donor Issues)
- **Liver:** Hepatocellular Carcinoma
- **Intestine:** Intestinal Transplantation and Rehabilitation
- **Organ Inclusive:** Machine Learning, Artificial Intelligence, and Social Media in Transplantation
- **Organ Inclusive:** Deceased Donor Management and Intervention Research
- **APP:** Clinical Practice

Product Theater

5:45 PM - 6:15 PM

Program Topic: All Topics

Product Theater Sponsored by Mallinckrodt Pharmaceuticals

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

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

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

Program Topic: Women's Health & Professional Development

Women's Networking Event Sponsored by CareDx

Open to All Attendees

6:30 PM - 8:00 PM

Climbing the Academic Ladder in High Heels

Lynn Schnapp, MD, ATSF, University of Wisconsin-Madison, Madison, WI, USA

Sunday, June 4, 2023

IMPACT Sessions
7:00 AM - 8:00 AM

Program Topic: Kidney

Pursuing Healthy Weight for Life: Integrating Long-term Weight Management to Promote Wellness and Sustained Weight Loss Among Overweight and/or Obese Living Donor Candidates

7:00 AM - 8:00 AM

Moderators:

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

Arjang Djamali, Maine Medical Center, Portland, ME, USA

7:00 AM - 7:15 AM

The Obesity Barrier to Transplant: Are We Shutting Out Too Many Donors and Recipients?

Anil Paramesh, MD, MBA, FACS, Tulane University School of Medicine, New Orleans, LA, USA

7:15 AM - 7:30 AM

Pitfalls and Practices of Managing the Obese Transplant

Patient. What Should I Expect?

Elaine Ku, MD, UCSF, San Francisco, CA, USA

7:30 AM - 7:45 AM

Effectiveness of the Existing Strategies to Address Obesity in Living Donors - Nutrition Management, Noninvasive Medical Therapies (i.e., GLP1 Agonist, Orlistat, Etc.), and Metabolic Surgery

Babak Orandi, MD, PhD, MSc, University of Alabama at Birmingham, Birmingham, AL, USA

7:45 AM - 8:00 AM

Q&A

Program Topic: Pharmacy

Using Immunologically Active Agents in the Setting of Immunosuppression

7:00 AM - 8:00 AM

Moderators:

Andrew Brown, PharmD, BCTXP, Virginia Commonwealth University Health, Richmond, VA, USA

Matt Harris, PharmD, MHS, BCPS, FAST, Duke University Hospital, Durham, NC, USA

7:00 AM - 7:15 AM

You Better Check Yourself Before You Wreck Yourself: Checkpoint Inhibitors in Solid Organ Transplant Patients

Karen Khalil, PharmD, New York University Langone Medical Center, New York, NY, USA

7:15 AM - 7:30 AM

Lenalidomide, Pomalidomide and Transplant Consequences Newly Identified

Jillian Casale, PharmD, Cooperman Barnabas Medical Center, Livingston, NJ, USA

7:30 AM - 7:45 AM

Giving Regards to DMARDs and How to Manage Concomitant Immunosuppression

Mary Chandran, PharmD, University of North Carolina Medical Center, Chapel Hill, NC, USA

7:45 AM - 8:00 AM

Q&A

Program Topic: Basic Science

Beyond the Genome: Epigenetic Biomarkers in Solid Organ Transplant

7:00 AM - 8:00 AM

Moderators:

Valeria Mas, PhD, University of Maryland, Ellicott City, MD, USA

Mario Abbud-Filho, MD, PhD, Medical School & Hospital de Base - São José do Rio Preto, Sao Jose do Rio Preto, Brazil

7:00 AM - 7:15 AM

Epigenetic Consequences of Ischemia Reperfusion Injury

John Greenland, MD, PhD, University of California, San Francisco, San Francisco, CA, USA

7:15 AM - 7:30 AM

Epigenetic Profiling of Immune Aging in Infection and Rejection

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

7:30 AM - 7:45 AM

Epigenetic Modifications Chronic Allograft Injury

Daniel Maluf, MD, University of Maryland, Baltimore, MD, USA

7:45 AM - 8:00 AM

Q&A

Program Topic: Public Policy and Regulatory Issues

Long-term Living Donor Follow up in the US: A Pipedream or an Imminent Reality

7:00 AM - 8:00 AM

Moderators:

Randolph Schaffer, MD, Scripps Center for Organ Transplantation, La Jolla, CA, USA

Neetika Garg, MD, University of Wisconsin Madison, Madison, WI, USA

7:00 AM - 7:15 AM

Overview of Living Donor Follow up in the US

Deborah Adey, MD, University of California San Francisco, San Francisco, CA, USA

7:15 AM - 7:30 AM

Pro - Changing the Follow-up Paradigm: Building a Collaboration Centers, Donors and the SRTR through the Living Donor Collective

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

7:30 AM - 7:45 AM

Con: Great Expectations Lead to Great Disappointments - Need Donors Engagement as Key Stakeholders

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

7:45 AM - 7:50 AM

Rebuttal: Pro

7:50 AM - 7:55 AM

Rebuttal: Con

7:55 AM - 8:00 AM

Q&A

Program Topic: Infectious Disease

Updates in COVID-19 and Monkeypox

7:00 AM - 8:00 AM

Moderators:

Marwan Azar, MD, Yale University School of Medicine, Branford, CT, USA

Hannah Nam, MD, University of California Irvine Medical Center, Orange, CA, USA

7:00 AM - 7:15 AM

COVID-19 Treatments in Transplant Recipients

Zachary Yetmar, MD, Mayo Clinic, Rochester, MN, USA

7:15 AM - 7:30 AM

COVID-19 Vaccination and Preventative Strategies

William Werbel, MD, PhD, Johns Hopkins University, Baltimore, MD, USA

7:30 AM - 7:45 AM

Monkeypox and SOT recipients

Ghady Haidar, MD, University of Pittsburgh, Pittsburgh, PA, USA

7:45 AM - 8:00 AM

Q&A

Program Topic: Pediatric

No More Secrets: Addressing Mental Health and Risky Behaviors in Adolescent Transplant Recipients

7:00 AM - 8:00 AM

Moderators:

Isa Ashoor, MD, Boston Children's Hospital, Boston, MA, USA

Anne Dawson, PhD, Nationwide Children's Hospital, Columbus, OH, USA

7:00 AM - 7:15 AM

The Ongoing Mental Health Crisis: How do we Screen for Mental Health Disorders in Adolescent SOT Recipients?

Tom Blydt-Hansen, MD, CM, University of British Columbia, Vancouver, BC, Canada

7:15 AM - 7:30 AM

A Practical Approach to Screening for and Counseling About Tobacco, Marijuana, and Alcohol Use in Adolescent Solid Organ Transplant Recipients

Scott Hadland, MD, MPH, MS, Massachusetts General Hospital, Boston, MA, USA

7:30 AM - 7:45 AM

Treatment Options for SOT Recipients With Mental Health and Substance Use Disorders

Kaushalendra Amaty, Ph.D., Children's National Hospital, George Washington School of Medicine, Washington, DC, USA

7:45 AM - 8:00 AM

Q&A

Program Topic: Translational

Histocompatibility Challenges in Xenotransplantation - Gaps Between Clinical Histocompatibility Testing and Xenotransplantation

7:00 AM - 8:00 AM

Moderators:

Massimo Mangiola, PhD, A(ACHI), NYU Langone health, New York, NY, USA

Nicole Valenzuela, PhD, F(ACHI), University of

California Los Angeles Immunogenetics Center, Los Angeles, CA, USA

7:00 AM - 7:15 AM

Gaps in Histocompatibility Testing Between Human Allotransplantation and Xenotransplantation

Sam Ho, PhD, F(ACHI), FAACC, Gift of Hope Organ and Tissue Donor Network, Itasca, IL, USA

7:15 AM - 7:30 AM

An Overview of Human Allo-immune Effector Mechanisms With Potential For Xeno-Immune Reactivity

Luis Hidalgo, PhD, D(ABHI), University of Wisconsin Madison, Madison, WI, USA

7:30 AM - 7:45 AM

The Role HLA Lab in Clinical Xenotransplantation

Massimo Mangiola, PhD, A(ACHI), NYU Langone Health, New York, NY, USA

7:45 AM - 8:00 AM

Q&A

Program Topic: Liver

Challenges in Management of Critically ill Patient with Liver Disease

7:00 AM - 8:00 AM

Moderators:

Lisa VanWagner, MD, MSc, University of Texas Southwestern Medical Center, Dallas, TX, USA

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

7:00 AM - 7:15 AM

Which Extra-corporeal Liver Support for my Patient? RRT, MARS or Plasma Exchange

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

7:15 AM - 7:30 AM

Assessment of Volume Status in the Fluid Overload Critically Ill Patient with Liver Disease

Ram Subramanian, MD, Emory University, Decatur, GA, USA

7:30 AM - 7:45 AM

The Alphabet Soup of Assessment of Kidney Function

Stevan Gonzalez, MD, Baylor Simmons Transplant Institute, Fort Worth, TX, USA

7:45 AM - 8:00 AM
Q&A

Program Topic: Advanced Practice Provider

Liver Transplantation as a New Treatment for Unresectable Colorectal Cancer Metastasis

7:00 AM - 8:00 AM

Moderators:

Kristen Ryland, MSN, APRN, AGNP-BC, RD, Mayo Clinic, Jacksonville, FL, USA

Christopher Sonnenday, MD, MHS, University of Michigan, Ann Arbor, MI, USA

7:00 AM - 7:15 AM

Selection and Outcomes

Gonzalo Sapisochin, MD, UHN, Toronto, ON, Canada

7:15 AM - 7:30 AM

Balancing Chemotherapy and Immunosuppression

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

7:30 AM - 7:45 AM

Lessons Learned in a High Volume Center

Michael Grizzanti, FNP-BC, University of Rochester Medical Center, Rochester, NY, USA

7:45 AM - 8:00 AM

Q&A

Program Topic: Kidney

Post-Transplant Glomerulonephritis (GN): What We Know and What We Must Know

7:00 AM - 8:00 AM

Moderators:

Tarek Alhamad, MD, MS, Washington University School of Medicine in St. Louis, Manchester, MO, USA

Leonardo Riella, MD, PhD, Massachusetts General Hospital Transplant Center, Boston, MA, USA

7:00 AM - 7:15 AM

Post-transplant FSGS: Why it Recurs and What we Can do to Prevent and Treat it?

Nada Alachkar, MD, Johns Hopkins University, Baltimore, MD, USA

7:15 AM - 7:30 AM

Post-Transplant IgA Nephropathy: Recurrence and Management

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

7:30 AM - 7:45 AM

Post-Transplant Membranoproliferative Glomerulonephritis (MPGN): Recurrence and Management: The Pathophysiology, Pathology, and Treatment

Basma Abdalla, MD, MS, UCLA, Mission Viejo, CA, USA

7:45 AM - 8:00 AM

Q&A

Program Topic: Heart

Dangerous Liaisons: Pulmonary Hypertension in Heart, Lung, and Liver Transplantation

7:00 AM - 8:00 AM

Moderators:

Chris Freise, MD, University of California San Francisco, San Francisco, CA, USA

Teresa De Marco, MD, FACC, University of California San Francisco, San Francisco, CA, USA

7:00 AM - 7:15 AM

The Devil You Know: Pulmonary Hypertension in Heart Transplantation-Diagnosis, Implications, and Management

Jignesh Patel, MD, PhD, Cedars-Sinai Smidt Heart Institute, Beverly Hills, CA, USA

7:15 AM - 7:30 AM

Under Pressure: PH in Interstitial Lung Disease and Implications for Lung Transplantation

Deborah Levine, MD, Stanford University, Palo Alto, CA, USA

7:30 AM - 7:45 AM

I Can't Get No Transplantation: Portopulmonary

Hypertension Screening, Diagnosis, Treatment Options and Outcomes

Michael Krowka, MD, Mayo Clinic, Rochester, MN, USA

7:45 AM - 8:00 AM
Q&A

Program Topic: Psychosocial and Ethics

Social Support and Culturally Relevant Facilitators of Access to Transplantation

7:00 AM - 8:00 AM
Moderators:

Gloria Chen, LCSW-S, CCTSW, Dell Seton Medical Center at The University of Texas, Austin, TX, USA
Heather Bruschwein, PsyD, University of Virginia, Charlottesville, VA, USA

7:00 AM - 7:15 AM

Controversies in Social Support: What Does the Evidence Say?

Gloria Chen, LCSW-S, CCTSW, Dell Seton Medical Center at The University of Texas at Austin, Austin, TX, USA

7:15 AM - 7:30 AM

Development of a Validated Culturally Relevant Measure for Identifying Barriers in Access to Kidney Transplantation

Camilla Nonterah, PhD, University of Richmond, Richmond, VA, USA

7:30 AM - 7:45 AM

Are Social Support Evaluations Fair?: How to Improve Current Practices

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

7:45 AM - 8:00 AM

A Culturally Tailored Program for African Americans

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

Break

8:00 AM - 8:15 AM

Plenary Oral Abstract Session

8:15 AM - 9:15 AM

Program Topic: All Topics

Plenary Oral Abstract Session 1

8:15 AM - 9:15 AM

Moderators:

William Chapman, MD, FACS, Washington University School of Medicine, St. Louis, MO, USA

Deepali Kumar, MD, MSc, FRCPC, FAST, University of Toronto, Toronto, ON, Canada

8:15 AM - 8:20 AM

Welcome

Andrew Adams, MD, PhD, University of Minnesota Medical Center Fairview, Minneapolis, MN, USA

8:15 AM - 8:20 AM

Welcome

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

8:15 AM - 8:30 AM

Long-Term Nationwide Outcomes of Solid Organ Transplantation from Covid Positive Donors in the United States

K. Okumura, R. Misawa, H. Sogawa, G. Veillette, D. John, T. Diflo, S. Nishida, A. Dhand, *Surgery, Westchester Medical Center / New York Medical College, Valhalla, NY*

8:30 AM - 8:45 AM

Single Cell Transcriptomic Analysis of Renal Allograft Rejection Reveals Novel Insights Into Intra-Graft TCR Clonality

T. Shi¹, A. Burg¹, J. T. Caldwell¹, K. M. Roskin¹, J. Rush², B. Haraldsson², A. Shields³, R. Alloway³, E. S. Woodle³, D. Hildeman¹, ¹Cincinnati Children's Hospital Medical Center, Cincinnati, OH, ²Novartis, Basel, Switzerland, ³University of Cincinnati, Cincinnati, OH

8:45 AM - 9:00 AM

Race-Free eGFR Equation in Kidney Recipients: A Development and Validation Study (Nct05229939)

M. Raynaud, S. Al-awadhi, I. Juric, O. Aubert, L. Dubourg, C. Mariat, M. Stegall, H. Ibrahim, A. Matas, B.

Nankivell, S. Bakker, N. Kamar, H. Wadei, G. Remuzzi, C. Lefaucheur, A. Bentall, A. Loupy, *for the eGFR Equations in Kidney Transplantation Consortium, Paris, France*

9:00 AM - 9:15 AM

Perturbation of the Immunomodulatory Properties of Lymphatic Vessels is a Feature of Chronic Rejection in Human Kidney Transplants

D. J. Jafree¹, R. Motallebzadeh¹, M. R. Clatworthy², D. A. Long¹, ¹University College London, London, United Kingdom, ²University of Cambridge, Cambridge, United Kingdom

Sponsor Networking

9:15 AM - 9:55 AM

Program Topic: All Topics

Sponsor Networking

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

Product Theaters

9:15 AM - 9:45 AM

Program Topic: All Topics

Product Theater Sponsored by AstraZeneca

Product Theater: Expanding the Role of Exosomes in Grafted Kidney Monitoring Sponsored by One Lambda

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.

Poster Session B

9:15 AM - 9:55 AM

Program Topic: All Topics

Poster Session B Presenters in Attendance

- **Basic Science:** Histocompatibility and Immunogenetics
- **Basic Science:** Immunosuppression & Tolerance: Preclinical & Translational Studies
- **Basic Science:** Infection and Immunity: Basic
- **Basic Science:** Innate Immunity; Chemokines, Cytokines, Complement
- **Infectious Disease:** Kidney Specific Infections Including Polyoma Virus
- **Infectious Disease:** Liver Specific Including Viral Hepatitis
- **Kidney:** Kidney Deceased Donor Allocation
- **Kidney:** Kidney Deceased Donor Selection
- **Kidney:** Kidney Immunosuppression: Desensitization
- **Kidney:** Kidney Immunosuppression: Induction Therapy
- **Kidney:** Kidney Immunosuppression: Novel Regimens and Drug Minimization
- **Liver:** Kidney Issues in Liver Transplantation
- **Liver:** Large Data and Artificial Intelligence
- **Liver:** Living Donor Liver Transplant and Partial Grafts
- **Heart:** Heart and VADs: All Topics
- **Organ Inclusive:** Non-Organ Specific: Disparities to Outcome and Access to Healthcare
- **APP:** Clinical Practice
- **APP:** Research / QI
- **All Topics:** Clinical Trials

AST Presidential Introduction & Address

9:55 AM - 10:25 AM

AST Presidential Introduction & Address

9:55 AM - 10:05 AM

Introduction

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

10:05 AM - 10:25 AM

AST Presidential Introduction & Address

Deepali Kumar, MD, MSc, FRCPC, FAST, University of Toronto, Toronto, ON, Canada

AST Lifetime Achievement and Transplant Advocacy Awards

10:25 AM - 10:50 AM

AST Lifetime Achievement and Transplant Advocacy Award

Break

10:50 AM - 11:00 AM

State-of-the-Art Lecture #1

11:00 AM - 11:30 AM

Program Topic: All Topics

Thomas E. Starzl State-of-the-Art Lecture

11:00 AM - 11:02 AM

Introduction

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

11:00 AM - 11:30 AM

Infection in Transplantation: What Have We Learned From Pigs?

Jay Fishman, MD, Director of the Transplant Infectious Diseases and Compromised Host Program, Massachusetts General Hospital, Boston, MA, USA

AJT Awards & Update

11:30 AM - 11:55 AM

AJT Awards & Update

11:30 AM - 11:55 AM

AJT Awards & Update

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

Break

11:55 AM - 12:15 PM

Sponsored Satellite Symposia

12:15 PM - 1:15 PM

Program Topic: All Topics

Making the Case for Novel Assays, Balancing the Risk of Infection and Rejection Supported by Eurofins Transplant Diagnostics

Management of Hepatorenal Syndrome Acute Kidney Injury for the Liver Transplant Team Supported by an independent educational Grant from Mallinckrodt

Proactive with Prospera: How New Surveillance Data Supports dd-cfDNA as a Prognostic Biomarker for Earlier Kidney Rejection Assessment Supported by Natera

Symposia will take place at the Manchester Grand Hyatt Hotel. These symposia 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.

Meet the Expert Sessions

12:15 PM - 1:15 PM

Program Topic: Public Policy and Regulatory Issues

Cost, Complexity, and Carbon: Views on the Changing Landscape of Liver Acquisition

12:15 PM - 1:15 PM

Moderators:

Majella Doyle, MD, MBA, Washington University School of Medicine, St. Louis, MO, USA

Marwan Abouljoud, MD, Henry Ford Hospital, Detroit, MI, USA

12:15 PM - 12:30 PM

The Cost of Liver Acquisition Versus Reimbursement for Liver Transplantation

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

12:30 PM - 12:45 PM

The Complexity of Liver Acquisition: Workload Burden on Transplant Centers

Anji Wall, MD, PhD, Baylor University Medical Center, Dallas, TX, USA

12:45 PM - 1:00 PM

The Carbon Cost of Broader Sharing in Liver Transplantation

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

1:00 PM - 1:15 PM

Q&A

Program Topic: Professional Development

Promoting Equity for Women in Healthcare: The Role of the Mentor/Mentee Relationship

12:15 PM - 1:15 PM

Moderators:

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

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

12:15 PM - 1:15 PM

Promoting Equity for Women in Healthcare: The Role of the Mentor/Mentee Relationship

Manpreet Samra, MD, MBA, Edward Hines Jr. VA Hospital, Chicago, IL, USA

12:15 PM - 1:15 PM

Promoting Equity for Women in Healthcare: The Role of the Mentor/Mentee Relationship

Elizabeth Aby, MD, University of Minnesota, Minneapolis, MN, USA

Program Topic: Lung

Heads or Tails: The Paradigms of COVID-Associated Lung Failure

12:15 PM - 1:15 PM

Moderators:

Ishna Poojary-Hohman, MD, Ochsner Multi-Organ Transplant Institute, New Orleans, LA, USA

Norihisa Shigemura, MD, PhD, Temple University and Lewis Katz School of Medicine, Philadelphia, PA, USA

12:15 PM - 12:30 PM

Are They in the Same League: Pathophysiology of COVID versus Other Viral Induced Lung Failure

Marlene Cano, MD, PhD, Washington University, Saint Louis, MO, USA

12:30 PM - 12:45 PM

Repair: Medical Therapies for Irreversible Lung Failure Due to COVID

Marie Budev, DO, MPH, Cleveland Clinic, Cleveland, OH, USA

12:45 PM - 1:00 PM

Replace: Outcomes and Dilemmas in Lung Transplant for COVID-19

Soma Jyothula, MBBS, UT Health Houston, Houston, TX, USA

1:00 PM - 1:15 PM

Q&A

Program Topic: Pediatric

Is Obesity a Contra-Indication for Pediatric Transplantation

12:15 PM - 1:15 PM

Moderators:

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

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

12:15 PM - 12:30 PM

Obesity in Children on the Pediatric Transplant Weight List

Patrick Healey, MD, Seattle Children's Hospital, Seattle, WA, USA

12:30 PM - 12:45 PM

Pro: Transplant Obese Child

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

12:45 PM - 1:00 PM

Con: Control Weight Before Transplant

Elizabeth King, MD, PhD, Johns Hopkins Hospital, Baltimore, MD, USA

1:00 PM - 1:05 PM

Rebuttal: Pro

1:05 PM - 1:10 PM

Rebuttal: Con

1:10 PM - 1:15 PM

Q&A

Program Topic: Heart

Donor Management - Strategies for a Successful Transplantation

12:15 PM - 1:15 PM

Moderators:

Jignesh Patel, MD, PhD, Cedars-Sinai Smidt Heart Institute, Beverly Hills, CA, USA

Aasim Afzal, MD, MBA, Baylor University Medical Center, Frisco, TX, USA

12:15 PM - 12:30 PM

Donor Management - What have We Learned from the DMG Registry?

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

12:30 PM - 12:45 PM

Donor Retrieval centers- Is this the Future?

Thomas Mone, MS, OneLegacy, Azusa, CA, USA

12:45 PM - 1:00 PM

DCD Procurement - The Benefits are There for All Organs
Fady Kaldas, MD, FACS, University of California Los Angeles (Multi-Organ), Los Angeles, CA, USA

1:00 PM - 1:15 PM

Q&A

Break

1:15 PM - 1:30 PM

IMPACT Sessions

1:30 PM - 2:30 PM

Program Topic: Liver

The Next Frontier: Proactively Addressing Potential Disparities in Access to Living Donor Liver Transplantation

1:30 PM - 2:30 PM

Moderators:

AnnMarie Liapakis, MD, Yale University, New Haven, CT, USA

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

1:30 PM - 1:45 PM

Gender Disparities in LDLT: Redistributing the Disproportionate Burden Off of Women
Norah Terrault, MD, MPH, University of Southern California, Los Angeles, CA, USA

1:45 PM - 2:00 PM

Racial and Ethnic Disparities: What We Know, Don't Know, and What We Can Do About it
Juan Caicedo, MD, Northwestern University Feinberg School of Medicine, Chicago, IL, USA

2:00 PM - 2:15 PM

Financial and Geographical Barriers to LDLT: Achieving Equipose in the Sea of Unseen Minefields
Madhukar Patel, MD, MBA, ScM, University of Texas Southwestern Medical Center, Dallas, TX, USA

2:15 PM - 2:30 PM

Q&A

Program Topic: Infectious Disease

Is Shorter Better? When is Less Actually More for Antibiotics in Transplant?

1:30 PM - 2:30 PM

Moderators:

Esther Benamu, MD, University of Colorado, Denver, CO, USA

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

1:30 PM - 1:45 PM

Setting the Stage: Common Infections in SOT Recipients
Rachel Bartash, MD, Montefiore Medical Center, Bronx, NY, USA

1:45 PM - 2:00 PM

Pro: Why Shorter is Better

Marcus Pereira, MD MPH, NewYork-Presbyterian/Columbia University Medical Center, New York, NY, USA

2:00 PM - 2:15 PM

Con: Is it Better to Safe than Sorry?

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

2:15 PM - 2:20 PM

Rebuttal: Pro

2:20 PM - 2:25 PM

Rebuttal: Con

2:25 PM - 2:30 PM

Q&A

Program Topic: Psychosocial and Ethics

Ethical Concerns in Pig to Human Xenotransplantation

1:30 PM - 2:30 PM

Moderators:

Lynn Cornell, MD, Mayo Clinic, Rochester, MN, USA

Olivia Kates, MD, MA, Johns Hopkins University, Baltimore, MD, USA

1:30 PM - 1:45 PM

Patient-focused: Potential Infectious Disease Complications of Xenotransplantation

Andrea Boggild, BSc, MSc, MD, DTMH, FRCPC, DipABLM, University of Toronto, Toronto, ON, ON, Canada

1:45 PM - 2:00 PM

Impact of Xenotransplantation Beyond the Recipient: The

Community and the Public

Carrie Thiessen, MD, PhD, University of Wisconsin Madison, Madison, WI, USA

2:00 PM - 2:15 PM

Ethical Arguments in Favor of Continued and Expanded Xenotransplantation Research

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

2:15 PM - 2:30 PM

Ethical Concerns With Continued Xenotransplantation Research, and Some Ethical Preferable Alternatives

L Syd Johnson, PhD, SUNY Upstate Medical University, Syracuse, NY, USA

Program Topic: Heart

Does Rejection Surveillance Still Need to be a Pain in the Neck?

1:30 PM - 2:30 PM

Moderators:

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

Johanna Contreras, MD, MSc, Mount Sinai Hospital, New York, NY, USA

1:30 PM - 1:45 PM

True Blood: Rejection Surveillance Modalities - An Overview

Priya Umaphathi, MD, Johns Hopkins, Baltimore, MD, USA

1:45 PM - 2:00 PM

Pro: Shine the Light on Dracula!

Shelley Hall, MD, Heart Place and Baylor, Dallas, TX, USA

2:00 PM - 2:15 PM

Con: We Vampires Never Die!

Howard Eisen, MD, Penn State/Hershey Medical Center, Hershey, PA, USA

2:15 PM - 2:20 PM

Rebuttal: Pro

2:20 PM - 2:25 PM

Rebuttal: Con

2:25 PM - 2:30 PM

Q&A

Program Topic: Kidney

Pitfalls, Complexities, and Inapparent Consequences of the Use of the eGFR Metric in Transplant Studies

1:30 PM - 2:30 PM

Moderators:

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

Jennifer Wainright, PhD, United Network for Organ Sharing, Richmond, VA, USA

1:30 PM - 1:45 PM

How eGFRs Obscure Outcomes in Transplant Studies

Robert Steiner, MD, University of California San Diego Medical Center, La Jolla, CA, USA

1:45 PM - 2:00 PM

How Are eGFRs Derived and What Are They For?

Adnan Khan, MD, FASN, FNKF, University of California San Diego, San Diego, CA, USA

2:00 PM - 2:15 PM

The Many Legitimate Uses of eGFRs in Transplant Studies

Daniel Brennan, MD, FACP, Johns Hopkins Medical Institute, Baltimore, MD, USA

2:15 PM - 2:30 PM

Q&A

Program Topic: Kidney

Immune Compatibility and Equity in Access Under Kidney Continuous Distribution

1:30 PM - 2:30 PM

Moderators:

Gerald Morris, MD, PhD, University of California San Diego, La Jolla, CA, USA

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

1:30 PM - 1:45 PM

Allocation Modeling and Equity in Kidney Continuous Distribution

Darren Stewart, MS, NYU Langone Health, New York, NY, USA

1:45 PM - 2:00 PM

Improving the Metric for Candidate HLA Sensitization (cPRA)

Loren Gragert, PhD, Tulane University School of Medicine, New Orleans, LA, USA

2:00 PM - 2:15 PM

Novel Approaches for Addressing Disparities in Access Among ABO Blood Groups

James Lan, MD, D(ABHI), Vancouver General Hospital, Vancouver, BC, Canada

2:15 PM - 2:30 PM

Q&A

Program Topic: Liver

Hepatocellular Carcinoma in Patients with Fontan Associated Liver Disease and Congenital Heart Disease

1:30 PM - 2:30 PM

Moderators:

George Lui, MD, Stanford, Stanford, CA, USA

Daniel Ganger, MD, Northwestern, Chicago, IL, USA

1:30 PM - 1:45 PM

Incidence and Diagnosis of HCC in Patients with Congenital Heart Disease and Fontan Associated Liver Disease

Amit Singal, MD MS, UT Southwestern, Dallas, TX, USA

1:45 PM - 2:00 PM

Challenges of Intraoperative Planning and Management

Clark Bonham, MD, Stanford University Medical Center, Palo Alto, CA, USA

2:00 PM - 2:15 PM

Combined Heart-Liver Transplantation in Patients with HCC and Congenital Heart Disease

Alexandra Shingina, MDCM, Vanderbilt University Medical Center, Nashville, TN, USA

2:15 PM - 2:30 PM

Q&A

Program Topic: Advanced Practice Provider & Infectious Disease

ID Challenges for the APP

1:30 PM - 2:30 PM

Moderators:

Rachel Marino, CRNP-AC, Johns Hopkins Hospital, Baltimore, MD, USA

Heather Perry, AGNP-C, University of North Carolina Medical Center, Chapel Hill, NC, USA

1:30 PM - 1:45 PM

Looking for Zebras: Assessing for Atypical Infections After Transplant

Jessica Doiron, DNP, ANP-BC, RN, Washington University School of Medicine, Kirkwood, MO, USA

1:45 PM - 2:00 PM

Tough Bugs: Multi-drug Resistant Organisms and Treatment Strategies

Carrie Chamberlain Penny, ACNP-BC, Johns Hopkins University, Baltimore, MD, USA

2:00 PM - 2:15 PM

Barriers, Strategies, and Interventions to Address Underimmunization in Transplant Recipients

Kristen Ryland, MSN, APRN, AGNP-BC, RD, Mayo Clinic, Jacksonville, FL, USA

2:15 PM - 2:30 PM

Q&A

Program Topic: Pharmacy

10 Year Update on the Role of the Transplant Pharmacist

1:30 PM - 2:30 PM

Moderators:

Marie Chisholm-Burns, PharmD, PhD, MPH, MBA, Oregon Health & Science University, Portland, OR, USA

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

1:30 PM - 1:45 PM

Transplant Pharmacy 10 Years ago

Rita Alloway, Pharm D, FCCP, University of Cincinnati College of Medicine, Cincinnati, OH, USA

1:45 PM - 2:00 PM

How Transplant Pharmacy Has Evolved

Barrett Crowther, PharmD, BCPS, FCCP, FAST, University of Colorado Health, Aurora, CO, USA

2:00 PM - 2:15 PM

Where is Transplant Pharmacy Headed

Elizabeth Cohen, PharmD, Yale New Haven Hospital, New Haven, CT, USA

2:15 PM - 2:30 PM

Q&A

Program Topic: Non Use

Optimizing use of Organ Understanding Rates of Non-utilization and Opportunities for Change

1:30 PM - 2:30 PM

Moderators:

Pooja Budhiraja, MD, Mayo Clinic, Phoenix, AZ, USA

Ryutaro Hirose, MD, University of California San Francisco, San Francisco, CA, USA

1:30 PM - 1:45 PM

Why Have Kidney Non Utilization Rates Sharply Increased Since 2021?

Nicholas Wood, PhD, Hennepin Healthcare Research Institute, Minneapolis, MN, USA

1:45 PM - 2:00 PM

Lung Utilization, Current Status, and Opportunities to Reduce Non Use

Ramiro Fernandez, MD, Baylor College of Medicine, Houston, TX, USA

2:00 PM - 2:15 PM

Novel Strategies to Minimize Liver Non Use

Shimul Shah, MD, MHCM, University of Cincinnati, Cincinnati, OH, USA

2:15 PM - 2:30 PM

Q&A

Program Topic: Translational

Implementation of Human Clinical Trials for Xenotransplantation

1:30 PM - 2:30 PM

Moderators:

Adam Griesemer, MD, NYU Langone Health, New York, NY, USA

Brendan Parent, JD, New York University Langone Health, New York, NY, USA

1:30 PM - 1:45 PM

Designing and Implementing Human Clinical Trials in Xenotransplantation

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

1:45 PM - 2:00 PM

Infectious Diseases Surveillance in Human Clinical Trials in Xenotransplantation

Jay Fishman, MD, Massachusetts General Hospital - Harvard Medical School, Boston, MA, USA

2:00 PM - 2:15 PM

Regulatory and Scientific Preparation for Human Clinical Trials in Xenotransplantation

Alfred Tector, MD, PhD, FACS, University of Miami Miller School of Medicine, Miami, FL, USA

2:15 PM - 2:30 PM

Q&A

Sponsor Networking

2:30 PM - 3:00 PM

Program Topic: All Topics

Sponsor Networking

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

Poster Session B

2:30 PM - 3:00 PM

Program Topic: All Topics

Poster Session B Presenters in Attendance

- **Basic Science:** Histocompatibility and Immunogenetics
- **Basic Science:** Immunosuppression & Tolerance: Preclinical & Translational Studies
- **Basic Science:** Infection and Immunity: Basic
- **Basic Science:** Innate Immunity; Chemokines, Cytokines, Complement
- **Infectious Disease:** Kidney Specific Infections Including Polyoma Virus
- **Infectious Disease:** Liver Specific Including Viral Hepatitis
- **Kidney:** Kidney Deceased Donor Allocation
- **Kidney:** Kidney Deceased Donor Selection
- **Kidney:** Kidney Immunosuppression: Desensitization
- **Kidney:** Kidney Immunosuppression: Induction Therapy
- **Kidney:** Kidney Immunosuppression: Novel Regimens and Drug Minimization
- **Liver:** Kidney Issues in Liver Transplantation
- **Liver:** Large Data and Artificial Intelligence
- **Liver:** Living Donor Liver Transplant and Partial Grafts
- **Heart:** Heart and VADs: All Topics
- **Organ Inclusive:** Non-Organ Specific: Disparities to Outcome and Access to Healthcare
- **APP:** Clinical Practice
- **APP:** Research / QI
- **All Topics:** Clinical Trials

Poster Chats Session 1

2:30 PM - 3:00 PM

Program Topic: Liver & Kidney

Liver, Kidney, and Organ Inclusive

2:30 PM - 3:00 PM

Moderator:

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

2:30 PM - 2:40 PM

Machine Perfusion Protects Against Mortality and Graft Failure in Donation After Cardiac Death (dcd) Liver Transplant Recipients in the United States

K. Okumura, R. Misawa, A. Dhand, H. Sogawa, G. Veillette, S. Nishida, *Westchester Medical Center / New York Medical College, Valhalla, NY*

2:40 PM - 2:50 PM

Macrophage Polarization Induces Endothelium-to-Myofibroblast Transition in Chronic Allograft Dysfunction
Z. Wang, Z. Han, J. Tao, X. Ju, R. Tan, M. Gu, *Department of Urology, the First Affiliated Hospital of Nanjing Medical University, Nanjing, China*

2:50 PM - 3:00 PM

Development and Validation of a Multidimensional Prognostication System for Kidney Transplant Patient Survival: The Mortality Mbox
C. Debiais-Deschamps, O. Aubert, G. Divard, J. Gueguen, D. Yoo, C. Legendre, D. Anglicheau, C. Lefaucheur, A. Loupy, *INSERM_UMR970, Paris Transplant Group, Paris, France*

Program Topic: Basic Science & Infectious Disease

Basic Science and Infectious Disease

2:30 PM - 3:00 PM

Moderator:
Satish Nadig, MD, PhD, Northwestern University, Chicago, IL, USA

2:30 PM - 2:40 PM

ILC2s Constrain Alloreactive CD4⁺ T Cells Through MHCII Mediated Allo-Antigen Presentation in Mouse Heart Transplant
J. Ge¹, W. Pan², D. Modlin², I. Zanoni², J. F. Markmann³, A. G. Cuenca², ¹*Shanghai General Hospital, Shanghai, China*, ²*Boston Children's Hospital, Boston, MA*, ³*Massachusetts General Hospital, Boston, MA*

2:40 PM - 2:50 PM

Molecular Mapping of Nk Like Cd8 T Cell Atlas in Kidney Transplantation
A. Sun, H. C. Pickering, S. Sen, R. Parmar, E. F. Reed, *University of California Los Angeles, Los Angeles, CA*

2:50 PM - 3:00 PM

The Learning Curve of Covid-19 and Organ Donation: Potential Missed Opportunities in the Covid Era
J. R. Zhang¹, M. Mujtaba¹, H. Wagenhauser², Y. Chapman², T. Engebretsen¹, H. L. Stevenson¹, S. A. Hussain¹, M. Kueht¹, ¹*University of Texas Medical Branch, Galveston, TX*, ²*Southwest Transplant Alliance, Dallas, TX*

Focus in Transplantation

3:00 PM - 5:30 PM

Program Topic: Basic Science

Revisiting the Barrier Imposed by Memory and Effector T Cells

3:00 PM - 5:30 PM

Moderators:
Maria-Luisa Alegre, MD, PhD, University of Chicago, Chicago, IL, USA
Jamil Azzi, MD, Harvard, Boston, MA, USA

3:00 PM - 3:20 PM

Tissue-resident Memory T Cells in Transplantation Tolerance
Megan Sykes, MD, Columbia University, New York, NY, USA

3:20 PM - 3:40 PM

T Cell Exhaustion in Transplant Survival
Paolo Cravedi, MD, Mount Sinai, New York, NY, USA

3:40 PM - 4:00 PM

Innate Allorecognition and Memory in Transplantation
Xian Li, MD, PhD, Houston Methodist, Houston, TX, USA

4:00 PM - 4:10 PM

Q&A

4:10 PM - 4:20 PM

Break

4:20 PM - 4:40 PM

The Effects of Interferon-beta on T Cells in Transplant
Miguel Fribourg, Assistant Professor, Icahn School of Medicine at Mount Sinai, New York, NY, USA

4:40 PM - 5:00 PM

T Cell Memory and Transplant Survival
Mandy Ford, PhD, Emory University, Atlanta, GA, USA

5:00 PM - 5:20 PM

Implications of TIGIT⁺ Human Memory B Cells in Immune Regulation
SangKon Oh, PhD, Mayo Clinic, Phoenix, AZ, USA

5:20 PM - 5:30 PM

Q&A

Rapid Fire Oral Abstract Sessions
3:00 PM - 4:20 PM

Program Topic: Basic Science

B-cell / Antibody / Autoimmunity

3:00 PM - 4:20 PM

Moderators:

Idelberto Badell, MD, Emory University School of Medicine, Atlanta, GA, USA

Jean Kwun, DVM, PhD, Duke Transplant Center, Durham, NC, USA

3:00 PM - 3:10 PM

Lymph Node Fibroblastic Reticular Cells Regulate Alloantibody Through Laminin $\alpha 4$

L. Li¹, A. Kensiski¹, L. Wu¹, M. WillsonShirkey¹, W. Piao¹, S. Gavzy¹, Y. Lee¹, R. Abdi², J. Bromberg¹, ¹*Surgery, University of Maryland, Baltimore, Baltimore, MD*, ²*Brigham & Womens Hosp, Boston, MA*

3:10 PM - 3:20 PM

Graft-Infiltrating Plasma Cells in Human Cardiac Allograft Vasculopathy Target Bilirubin Accumulating in the Rejected Heart

S. See¹, T. Aguiar², S. Mashiko², M. Dietzel², H. Cordero², P. Roy², C. Marboe², M. Farr², S. Restaino², Y. Naka³, K. Takeda², J. Madsen⁴, N. Patel⁵, K. Clerkin², R. G. King⁶, E. Kransdorff⁷, E. Zorn¹, ¹*Columbia University Medical Center, New York, NY*, ²*Columbia University Irving Medical Center, New York, NY*, ³*New York Presbyterian Hospital, New York, NY*, ⁴*Massachusetts General Hospital, Boston, MA*, ⁵*Cedars Sinai, Los Angeles, CA*, ⁶*Univeristy of Alabama, Birmingham, AL*, ⁷*Cedars-Sinai Heart Institute, Beverly Hills, CA*

3:20 PM - 3:30 PM

Peritoneal Cavity B Cells Exhibit Suppressive Properties in Indirect Pathway T Cell Responses

T. Mochizuki, Y. Tanaka, R. Ide, R. Nakano, H. Sakai, N. Tanimine, H. Tahara, M. Ohira, K. Ide, H. Ohdan, *Department of Gastroenterological and Transplant Surgery, Graduate School of Biomedical and Health S, Hiroshima University, Hiroshima, Japan*

3:30 PM - 3:40 PM

Influence of TNF- α on in Vitro Induced Regulatory B Cells

Q. Fu¹, K. M. Lee¹, K. Deng¹, M. Liao¹, J. Lei¹, G. Zhao², H. Yang², C. LeGuern¹, S. Deng², J. F. Markmann¹, ¹*Center for*

Transplantation Sciences, MGH, Boston, MA, ²*Sichuan Provincial People's Hospital, Chengdu, China*

3:40 PM - 3:50 PM

Notch2+Marginal Zone B Cell Depletion Decreases Antigen Shuttle to Follicular Dendritic Cells and Reduces Alloantibody Production

R. Benedetti Gassen¹, T. Borges², C. Magee³, N. Murakami⁴, L. Riella⁵, ¹*Massachusetts General Hospital, Charlestown, MA*, ²*Massachusetts General Hospital, Boston, MA*, ³*Brigham & Women's Hospital, Boston, MA*, ⁴*Brigham and Women's Hospital, Brookline, MA*, ⁵*Harvard Medical School, Boston, MA*

3:50 PM - 4:00 PM

Complement 5 Regulation Ameliorates Antibody-Mediated Rejection After Liver Transplantation in Rats

T. Tajima¹, K. Hata¹, J. Kusakabe¹, H. Miyauchi¹, S. Kageyama¹, X. Zhao¹, T. Okamoto¹, S. Kim², Y. Wang², T. Tsuruyama³, J. Badshah⁴, T. Watanabe⁵, S. Uemoto¹, E. Hatano¹, ¹*HBP Surgery and Transplantation, Kyoto University, Kyoto, Japan*, ²*Alexion Pharmaceuticals Inc., New Haven, CT*, ³*Center for Anatomical, Pathological, and Forensic Medical Research, Kyoto University, Kyoto, Japan*, ⁴*Abdominal Transplantation, Stanford University, Stanford, CA*, ⁵*Institute for Frontier Life and Medical Sciences, Kyoto University, Kyoto, Japan*

4:00 PM - 4:10 PM

Impact of Desensitization Therapy with Isatuximab on Circulating HLA-Specific Memory B Cells in Highly Sensitized Patients Waitlisted for Kidney Transplantation

A. Torija¹, D. Kervella¹, L. Donadeu¹, M. Meneghini¹, E. Crespo¹, F. Moreso¹, J. Cruzado², R. Buchli³, F. Vincenti⁴, A. Brar⁴, A. Tambur⁵, M. Stegall⁶, H. Lee⁷, M. Dudek⁷, G. Abbadessa⁸, O. Bestard¹, ¹*Translational Transplant Center, Vall D'Hebron University Hospital, Barcelona, Spain*, ²*Bellvitge University Hospital, Barcelona, Spain*, ³*Pure Protein, LLC, Oklahoma City, OK*, ⁴*University of California San Francisco, San Francisco, CA*, ⁵*Northwestern University, Chicago, IL*, ⁶*Mayo Clinic, Rochester, MN*, ⁷*Sanofi, Cambridge, MA*, ⁸*Sanofi, Cambridge, MA*

4:10 PM - 4:20 PM

CD40 Deficiency Worsens Kidney Injury in Vivo and Causes Podocyte Apoptosis

P. Rashmi¹, T. Sigdel¹, S. Agarwal², S. Yaswanth², D. Rychkov¹, I. Damm¹, A. Da Silva³, F. Vincenti⁴, C. Craik⁴, J. Reiser⁵, M. Sarwal¹, ¹*UCSF, San Francisco, CA*, ²*Rush University Medical Center, Chicago, IL*, ³*Fluminense Federal University, Niteroi, Brazil*, ⁴*University of California*

San Francisco, San Francisco, CA, ⁵Rush University,
Chicago, IL

Program Topic: Kidney

Kidney: Acute Rejection

3:00 PM - 4:20 PM

Moderators:

RAJIL MEHTA, MD, FASN, UPMC, Pittsburgh, PA, USA
Arpita Basu, MD, MPH, Emory Healthcare, Atlanta, GA,
USA

3:00 PM - 3:10 PM

Clinical and Molecular Spectrum of V-Lesion

A. Buxeda¹, M. Pérez-Sáez¹, B. Chamoun², J. Gimeno¹, I. Torres², J. Pascual³, M. Mengel⁴, B. Adam⁴, M. Crespo¹,
¹Hospital del Mar, Barcelona, Spain, ²Hospital Universitari Vall d'Hebrón, Barcelona, Spain, ³Hospital Universitario 12 de Octubre, Madrid, Spain, ⁴University of Alberta, Edmonton, AB, Canada

3:10 PM - 3:20 PM

The Spectrum of Molecular Rejection in the Prevalent Kidney Transplant Population: A New Analysis of 5087 Biopsies

P. F. Halloran¹, J. Reeve¹, K. S. Madill-Thomsen¹, .. and the INTERCOMEX Study Group², ¹ATAGC, Edmonton, AB, Canada, ²., ., AB, Canada

3:20 PM - 3:30 PM

Decoding the Fate of Early Acute TCMR After Renal Transplantation

C. Elias, H. Karimi, T. Yamada, S. Hariharan, K. Abou-
Daya, A. Cherukuri, UPMC, Pittsburgh, PA

3:30 PM - 3:40 PM

Accurate Histologic Diagnoses of Antibody-Mediated Rejection Can Be Made Using Lesions but without DSA or C4d

M. L. Sikosana¹, J. Reeve², P. F. Halloran², ¹Medicine, Division of Nephrology and Transplant Immunology, University of Alberta, Edmonton, AB, Canada, ²ATAGC, Edmonton, AB, Canada

3:40 PM - 3:50 PM

Transcriptional Heterogeneity of T-Cell Mediated Rejection in Human Kidney Transplantation

O. W. Stephens¹, J. O. Napier¹, S. M. Coley², ¹Multiplex Imaging Center, Arkana Laboratories, Little Rock, AR, ²Transplant Translational Research, Arkana Laboratories,

Little Rock, AR

3:50 PM - 4:00 PM

The Role of the Molecular Microscope and Donor Derived Cell Free DNA to Guide Therapy for T-Cell Mediated Rejection in Kidney Transplants

D. Kumar¹, I. Moinuddin¹, N. Raju¹, K. Qu², W. Tian², G. Gupta¹, ¹VCUHealth, Richmond, VA, ²CareDx, Brisbane, CA

4:00 PM - 4:10 PM

Bystander Activation but Not Heterologous Immunity Drives Susceptibility to Allograft Rejection in Patients with High Frequencies of Preformed Donor-Reactive Memory T Cells

I. B. Torres, E. Crespo, M. Meneghini, J. Zúñiga, L. Donadeu, M. Juvé, N. Toapanta, D. Kervella, J. Sellares, F. Moreso, O. Bestard, Translational Transplant Center, Vall D'Hebron University Hospital, Barcelona, Spain

4:10 PM - 4:20 PM

Landscape of T-Cell Mediated Rejection Response to Treatment After Kidney Transplantation

G. Divard¹, S. Naser¹, O. Aubert¹, M. Raynaud¹, A. Del Bello², N. Kamar², C. Lefaucheur¹, A. Loupy¹, ¹Paris Transplant Group, Paris, France, ²CHU de Toulouse, Toulouse, France

Program Topic: All Topics

Late Breaking Abstracts: Clinical

3:00 PM - 4:20 PM

Moderators:

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

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

3:00 PM - 3:10 PM

Posoleucel for BKV Infection in Kidney Transplant Patients: Final Results from Randomized, Placebo-Controlled Phase 2 Trial

A. Chandraker¹, A. Regmi², R. Gohh³, A. Sharma⁴, S. E. Woodle⁵, M. J. Ansari⁶, V. Nair⁷, L. Chen⁸, T. Alhamad⁹, S. Norman¹⁰, F. Cardarelli¹¹, J. Ma¹¹, S. Gilmore¹¹, S. Vasileiou¹¹, D. Wojciechowski¹², ¹Brigham and Women's Hospital, Boston, MA, ²Inova Transplant Center, Falls Church, VA, ³Rhode Island Hospital, Providence, RI, ⁴University of Pittsburgh Medical Center, Pittsburgh, PA, ⁵University of Cincinnati, Cincinnati, OH, ⁶Northwestern

University, Chicago, IL, ⁷Northwell Health, New Hyde Park, NY, ⁸UC Davis Transplant Center, Sacramento, CA, ⁹Washington University School of Medicine at St. Louis, Saint Louis, MO, ¹⁰University of Michigan, Ann Arbor, MI, ¹¹AlloVir, Waltham, MA, ¹²University of Texas Southwestern Medical Center, Dallas, TX

3:10 PM - 3:20 PM

Pilot Study of a Prophylactic 2-week Direct Acting Antiviral Course for Recipients of Hepatitis C Viremic Kidneys

R. A. Dieter, P. Hotchkis, A. Mattoo, E. P. Weldon, C. Hickson, C. Deterville, N. Lawson, R. A. Montgomery, N. M. Ali, B. E. Lonze, *Transplant Institute, NYU Langone Health, New York, NY*

3:20 PM - 3:30 PM

Would You Accept the Same Offer Twice?

A. Toll¹, S. Weiss¹, J. Foutz¹, G. Gupta², D. E. Stewart³, ¹Research, *United Network for Organ Sharing, Richmond, VA*, ²VCU Health, *Richmond, VA*, ³Surgery, *NYU Langone Health, New York, NY*

3:30 PM - 3:40 PM

Increasing Access to Living Donor Transplants by Overcoming Barriers to Recipients Identifying a Living Donor

N. M. Ali¹, R. Layman², K. Cartiera³, J. Kelly¹, ¹*Transplant Institute, NYU Langone Health, New York, NY*, ²*NYU Langone Health, New York, NY*, ³*Montefiore Medical Center, Bronx, NY*

3:40 PM - 3:50 PM

Liver Immunosuppression Free Trial (LIFT): Outcomes of the First Biomarker-Guided Immunosuppression Withdrawal Trial in Adult Liver Transplant Recipients
J. Vionnet¹, R. Miquel², A. Douiri¹, M. Delord¹, E. Kodela¹, J. Wall¹, E. Bonaccorsi-Riani³, J. Leithead⁴, W. Gelson⁴, A. Marshall⁵, M. Navasa⁶, P. Ruiz⁶, J. Ferguson⁷, K. Simpson⁸, D. Eurich⁹, E. Jaeckel¹⁰, R. Taubert¹⁰, P. Tachtatzis¹¹, F. Nevens¹², S. Masson¹³, A. Sanchez-Fueyo¹, ¹*King's College London, London, United Kingdom*, ²*King's College Hospital, London, United Kingdom*, ³*Cliniques universitaires Saint-Luc, Brussels, Belgium*, ⁴*Addenbrooke's Hospital, Cambridge, United Kingdom*, ⁵*Royal Free Hospital, London, United Kingdom*, ⁶*Hospital Clinic, Barcelona, Spain*, ⁷*Queen Elizabeth Hospital, Birmingham, United Kingdom*, ⁸*Edinburgh Royal Infirmary, Edinburgh, United Kingdom*, ⁹*Charité, Berlin, Germany*, ¹⁰*Medizinische Hochschule Hannover, Hannover, Germany*, ¹¹*Leeds Teaching Hospitals NHS Trust, Leeds, United Kingdom*, ¹²*University Hospital KU Leuven, Leuven,*

Belgium, ¹³*Newcastle Upon Tyne Hospitals NHS Foundation Trust, Newcastle, United Kingdom*

3:50 PM - 4:00 PM

10-year Follow-Up Cohort of the Everolimus versus Azathioprine Multi-National Prospective Study Focusing on Intravascular Ultrasound Finding

I. Kim¹, R. Starling², E. Passano³, J. Mirocha³, P. Bernhardt⁴, B. Azarbal³, R. Cheng⁵, F. Esmailian³, K. Khush⁶, D. Mancini⁷, J. Patel³, T. Sato³, S. Varnous⁸, J. A. Kobashigawa⁹, ¹*Keimyung University Dongsan Hospital, Daegu, Korea, Republic of*, ²*Cleveland Clinic, Cleveland, OH*, ³*Cedars-Sinai Heart Institute, Los Angeles, CA*, ⁴-, ⁵*AL, University of Washington, Seattle, WA*, ⁶*Stanford University School of Medicine, Stanford, CA*, ⁷*Mount Sinai Hospital, New York, NY*, ⁸*Groupe Hospitalier Pitié-Salpêtrière, Paris, France*, ⁹*Cedars-Sinai Smidt Heart Institute, Los Angeles, CA*

4:00 PM - 4:10 PM

Immunomodulatory Microporous Annealed Particle (MAP) Gel Improves Whole or Dissociated Islet Transplantation
M. Ma¹, C. Roosa², D. Griffin², K. L. Brayman¹, P. Chhabra¹, ¹*Department of Surgery, University of Virginia, Charlottesville, VA*, ²*Department of Biomedical Engineering, University of Virginia, Charlottesville, VA*

Program Topic: Infectious Disease

Infections in Liver Transplantation and Viral Hepatitis

3:00 PM - 4:20 PM

Moderators:

Karen Doucette, MD, MSc, FRCPC, DRCPSC (SOT), FAST, *University of Alberta, Edmonton, AB, Canada*
Zachary Dietch, MD MBA, *Northwestern University, Chicago, IL, USA*

3:00 PM - 3:10 PM

Trends and Outcomes of Liver Transplantation in Human Immunodeficiency Virus (HIV) Recipients

K. Okumura, R. Misawa, H. Sogawa, G. Veillette, S. Nishida, A. Dhand, *Surgery, Westchester Medical Center / New York Medical College, Valhalla, NY*

3:10 PM - 3:20 PM

Glecaprevir/Pibrentasvir Compared to Sofosbuvir/Velpatasvir for the Treatment of HCV in HCV Negative Recipients Who Received HCV NAT Positive Kidneys

J. Papanikolla¹, H. Winters¹, L. Sobotka², M. Wellner², T.

Pesavento³, N. Singh³, M. Chunduru⁴, R. Smith³, A. Nolan¹,
¹The Ohio State University Wexner Medical Center, Columbus, OH, ²Gastroenterology, Hepatology and Nutrition, The Ohio State University Wexner Medical Center, Columbus, OH, ³The Ohio State University, Columbus, OH, ⁴Vanderbilt University Medical Center, Nashville, TN

3:20 PM - 3:30 PM

Active HCV Infection at the Time of Liver Transplant Results in Decreased Graft Failure and Increased Incidence of Complications After Liver Transplant
Y. Shah, G. Panayotova, J. Faybusovich, S. Simonishvili, Y. Qin, T. Ayorinde, T. Zoumpou, L. Jin, F. Paterno, A. Amin, G. Lee-Riddle, J. V. Guarrera, K. E. Lunsford, Surgery, Rutgers New Jersey Medical School, Newark, NJ

3:30 PM - 3:40 PM

Hepatitis C Viremia After Liver Transplant from Antibody-Positive and Nucleic Acid Testing-Negative Donors to Nonviremic Recipients
J. I. Kim, S. Patel, J. Stern, A. Torres-Hernandez, A. Griesemer, D. Segev, K. Halazun, A. Massie, NYU, New York, NY

3:40 PM - 3:50 PM

Standard versus Reduced-Dose Valganciclovir CMV Prophylaxis in High-Risk Liver Transplant Recipients
J. Dann, J. Geyston, D. Majmundar, S. Haywood, C. Shoemaker, S. Pelletier, B. Wentworth, UVA (University of Virginia) Health, Charlottesville, VA

3:50 PM - 4:00 PM

Pre-Emptive Therapy for CMV in High-Risk Liver Transplant Recipients: A Real-World Application
R. K. Sigler¹, A. Humar², C. Hughes³, F. Francis¹, E. Kwak⁴,
¹University of Pittsburgh, Pittsburgh, PA, ²Thomas E Starzl Transplant Inst, Pittsburgh, PA, ³UPMC Montefiore, Pittsburgh, PA, ⁴Univ of Pittsburgh, Pittsburgh, PA

4:00 PM - 4:10 PM

Efficacy and Safety of Accelerated versus Standard Hepatitis B Vaccine Schedule Among Kidney Transplant Candidate: A Randomized Controlled Trial
J. Kittrakulrat¹, K. Tiankanon², J. Vanichanan³, N. Townamchai⁴,
¹Department of Medicine, King Chulalongkorn Memorial Hospital, Bangkok, Thailand, ²Department of Nephrology, Bhumirajanagarindra Kidney Institute Hospital, Bangkok, Thailand, ³Department of Infectious Disease, King Chulalongkorn Memorial Hospital, Bangkok, Thailand, ⁴Department of Nephrology, King Chulalongkorn Memorial Hospital, Bangkok, Thailand

4:10 PM - 4:20 PM

Abdominal Transplantation from Hcv-Viremic and Hcv/Hiv Co-Infected Donors to Recipients with Hiv Under the Hope Act

S. Aslam¹, S. Hussain², B. Haydel³, S. Florman⁴, A. Gilbert⁵, M. Pereira⁶, N. Elias⁷, K. Mekeel⁸, G. Schnickel⁹, M. Shah⁹, V. Ajmera⁹, A. B. Massie¹⁰, D. Segev¹¹, D. Segev¹¹, C. Durand¹², M. Rana¹³,
¹University of California San Diego, San Diego, CA, ²Infectious Disease, Johns Hopkins University, Baltimore, MD, ³Mount Sinai Health System, New York City, NY, ⁴Mount Sinai Medical Center, New York, NY, ⁵Medstar Georgetown Transplant Institute, Washington, DC, ⁶New York Presbyterian Hospital, New York, NY, ⁷Massachusetts General Hospital, Milton, MA, ⁸UC San Diego, San Diego, CA, ⁹UC San Diego, San Diego, CA, ¹⁰NYU Langone Health, New York, NY, ¹¹NYU Langone Health, New York City, NY, ¹²Medicine, Johns Hopkins University, Baltimore, MD, ¹³Icahn School of Medicine at Mount Sinai, New York, NY

Program Topic: Lung

Optimizing Lung Transplant Outcomes

3:00 PM - 4:20 PM

Moderators:
Maryam Valapour, MD, MPP, The Cleveland Clinic, Cleveland, OH, USA
Wayne Tsuang, MD MHS, Cleveland Clinic, Cleveland, OH, USA

3:00 PM - 3:10 PM

Development of a Machine Learning Model to Predict Textbook Outcomes in Lung Transplant Patients
T. N. Ochoa¹, L. Y. Tang², W. Knechtle², K. Deshpande¹, M. Gao², M. Sendak², S. Balu², J. A. Klapper¹, B. A. Bottiger³, L. Snyder⁴, M. Hartwig¹,
¹Duke University, Durham, NC, ²Duke Institute for Health Innovation, Durham, NC, ³Anesthesiology, Duke University Hospital, Durham, NC, ⁴Medicine, Pulmonary, Duke University, Durham, NC

3:10 PM - 3:20 PM

Proximal Esophageal Reflux: Important Predictor of Mortality Post-Lung Transplantation
S. Z. Shah¹, K. R. DeVault², L. A. Houghton³, A. S. Lee⁴,
¹Lung Transplantation, Mayo Clinic, JACKSONVILLE, FL, ²Gastroenterology and Hepatology, Mayo Clinic, JACKSONVILLE, FL, ³Neurogastroenterology, University of Leeds, West Yorkshire, United Kingdom, ⁴Critical Care, Mayo Clinic, JACKSONVILLE, FL

3:20 PM - 3:30 PM

Waitlist and Post-Transplant Outcomes Among Lung Transplant Patients with COVID-19-Associated Pulmonary Diagnoses in the United States

T. G. Mupfudze¹, A. R. Fritz¹, R. R. Goff¹, M. Valapour², J. Miller³, M. Budev², E. Lease⁴, ¹United Network for Organ Sharing, Richmond, VA, ²Cleveland Clinic, Cleveland, OH, ³Scientific Registry of Transplant Recipients, Minneapolis, MN, ⁴University of Washington, Seattle, WA

3:30 PM - 3:40 PM

Assessment of Antimetabolite Intolerance in Older Lung Transplant Recipients

H. Mreyoud, L. Fitzgerald, J. Park, E. Wilpula, E. Belloli, K. Walter, Michigan Medicine, Ann Arbor, MI

3:40 PM - 3:50 PM

A Randomized, Single-Center, Pilot Study of Telephonic Health Coaching for Caregivers of Thoracic Transplant Candidates

C. C. Kennedy¹, R. G. Sinclair¹, B. K. Johnson², K. R. Boehmer³, J. M. Griffin³, S. M. Dunlay⁴, W. K. Kremers², R. Benzo¹, ¹Division of Pulmonary, Critical Care, and Sleep Medicine, Mayo Clinic, Rochester, MN, ²Division of Clinical Trials and Biostatistics, Mayo Clinic, Rochester, MN, ³Health Care Delivery Research, Mayo Clinic, Rochester, MN, ⁴Cardiovascular Medicine, Mayo Clinic, Rochester, MN

3:50 PM - 4:00 PM

Staying on Beat: Use of Beta Blockers and Rate of Atrial Fibrillation in Post-Operative Lung Transplant

K. Bielaski¹, E. J. Henricksen², N. Narula³, J. Villalpando Salazar³, T. Liang⁴, L. Chhatwani⁵, D. Levine³, G. Dhillon³, J. W. MacArthur⁶, R. Lee², ¹Pharmacy, Stanford Medicine, Stanford, CA, ²Transplant, Stanford Medicine, Stanford, CA, ³Pulmonology, Stanford University, Stanford, CA, ⁴Cardiothoracic Surgery, Stanford Medicine, Stanford, CA, ⁵Stanford University, Stanford, CA, ⁶Cardiothoracic Surgery, Stanford University, Stanford, CA

4:00 PM - 4:10 PM

Landscape and Outcomes of Lung Transplantation in Recipients with Hiv

M. Bowring¹, Z. Nauroz¹, J. Ruck¹, J. Alejo¹, D. Segev², C. Durand¹, A. Massie², ¹Johns Hopkins University, Baltimore, MD, ²NYU Langone Health, New York, NY

4:10 PM - 4:20 PM

Immune Outcomes of Lung Transplant Recipients with Different Cytochrome P450 (CYP) 3A5 Phenotypes After Discontinuation of Voriconazole Antifungal Prophylaxis

Z. H. Tu, B. J. Pierce, T. Pasley, A. Hutchins, H. J. Huang, Houston Methodist Hospital, Houston, TX

Program Topic: Organ Inclusive

Non-Organ Specific: Organ Preservation/Ischemia Reperfusion Injury

3:00 PM - 4:20 PM

Moderators:

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

Debra Sudan, MD, Duke University Medical Center, Durham, NC, USA

3:00 PM - 3:10 PM

First Report on the Performance of the National OCS Program (NOP) in the US for Liver, Heart and Lung Transplants

M. MacConmara, A. Elbetanony, P. Lezberg, A. Hassanein, L. Kane, N. Dang, M. Al Salihi, S. Brann, S. Reddy, S. LaFrancesca, F. Zafar, M. Porubsky, M. Omara, A. Kaw, K. Ihnken, A. Adamusiak, Y. Huang, M. Attia, TransMedics, Andover, MA

3:10 PM - 3:20 PM

Impact of OCS Liver Perfusion Time on Post-Transplant Survival - Real World Clinical Experience from the OCS Liver Perfusion (OLP) Post-Approval US Registry

J. F. Markmann¹, M. Hobeika², R. Ghobrial², G. Roll³, S. Syed⁴, G. Schnickel⁵, D. Sudan⁶, A. K. Mathur⁷, A. Moss⁷, M. Abouljoud⁸, O. LP-Registry-Consortium⁹, ¹Mass General, Boston, MA, ²Houston Methodist Hospital, Houston, TX, ³UCSF Medical Center, San Francisco, CA, ⁴University of California, San Francisco, San Francisco, CA, ⁵University of California Los Angeles (Multi-Organ), San Diego, CA, ⁶Duke University Medical Center, Durham, NC, ⁷Mayo Clinic, Phoenix, AZ, ⁸Henry Ford Transplant Institute, Detroit, MI, ⁹Transmedics, Andover, MA

3:20 PM - 3:30 PM

Transplant Rates and Outcomes of Organs Recovered from the National Cohort of Normothermic Regional Perfusion (NRP) Donors

B. E. Lonze, J. D. Motter, A. B. Massie, NYU Langone Health, New York, NY

3:30 PM - 3:40 PM

Hypothermic Oxygenated Machine Perfusion (HMP-O₂) in Liver Transplantation: The Pilot™ Experience

G. Panayotova¹, A. Rana², R. C. Quillin III³, K. Lunsford⁴, V. Agopian⁵, D. Markovic⁵, Y. Qin⁴, F. Paterno⁴, A. Amin⁴, G. Lee-Riddle⁴, A. Griesemer⁶, D. Alonso⁷, J. Rocca⁸, D. Borja-Cacho⁹, R. Hernandez-Alejandro¹⁰, J. Fung¹¹, S. Pelletier¹², S. Shah¹³, J. Guarrera¹⁴, ¹*Surgery, Rutgers NJMS, Newark, NJ*, ²*Baylor University, Missouri City, TX*, ³*University of Cincinnati College of Medicine, Cincinnati, OH*, ⁴*Rutgers New Jersey Medical School, Newark, NJ*, ⁵*UCLA School of Medicine, LA, CA*, ⁶*Columbia University Medical Center, New York, NY*, ⁷*Intermountain Medical Center, Murray, UT*, ⁸*Montefiore Medical Center, New York, NY*, ⁹*Northwestern University Medical Center, Chicago, IL*, ¹⁰*University of Rochester Medical Center, Rochester, NY*, ¹¹*University of Chicago Medical Center, Chicago, IL*, ¹²*University of Virginia Health System, Charlottesville, VA*, ¹³*University of Cincinnati, Cincinnati, OH*, ¹⁴*Surgery/ Transplant, Rutgers New Jersey Medical School, Newark, NJ*

3:40 PM - 3:50 PM

Single Center Experience Utilizing Thoracoabdominal Normothermic Regional Perfusion for Cardiac and Liver Recovery in Donation After Circulatory Death Donors
M. J. Kearns¹, A. L. Brubaker¹, J. Berumen², B. Jackson¹, G. T. Schnickel¹, ¹*University of California San Diego, La Jolla, CA*, ²*University of California at San Diego, La Jolla, CA*

3:50 PM - 4:00 PM

6-Month Outcomes of Liver and Kidney Transplantation from Donation After Circulatory Death Heart Donors in the US
A. Wall¹, A. Gupta², E. Martinez¹, T. Ma¹, R. Ruiz³, G. J. McKenna¹, G. Testa¹, ¹*Baylor University Medical Center, Dallas, TX*, ²*Surgery, Baylor University Medical Center, Dallas, TX*, ³*Transplant, Baylor Scott & White All Saints Medical Center, Fort Worth, TX*

4:00 PM - 4:10 PM

Extended Subzero Kidney Preservation with Peptoid-Based Cryoprotectants
A. H. Loftin¹, R. Kalsi¹, T. Muss¹, N. Katragadda¹, A. Girard¹, I. Lake¹, Y. Guo¹, A. Bodine¹, Y. Zhang¹, X. Wei², M. Kline², B. Oh¹, G. Brandacher¹, ¹*Johns Hopkins University School of Medicine, Baltimore, MD*, ²*X-Therma Inc., Richmond, CA*

4:10 PM - 4:20 PM

Sensitivity and Specificity of Biomarkers in Perfusate and Bile During Orphan Liver Normothermic Machine Perfusion to Predict Post-Transplant Outcomes
Q. Liu¹, K. Ali¹, B. Cazzaniga¹, T. Diago Uso², M. Fujiki¹, F. Aucejo¹, B. Eghtesad¹, G. D'Amico¹, C. Kwon¹, S.

Chaudhry¹, A. Pita¹, J. Kim¹, A. Schlegel³, J. Doi¹, M. Khalil¹, E. Fernandes¹, J. Kusakabe¹, E. Calderon¹, C. Miller¹, K. Hashimoto¹, C. Quintini², ¹*Cleveland Clinic, Cleveland, OH*, ²*Cleveland Clinic, Abu Dhabi, United Arab Emirates*, ³*Università degli Studi di Milano, Milan, Italy*

Program Topic: Basic Science

Vascular, Lymphatic, Stromal and Parenchymal Cell Biology

3:00 PM - 4:20 PM

Moderators:

Martin Oberbarnscheidt, MD, PhD, University of Pittsburgh, Pittsburgh, PA, USA
Ruben Nava, MD, Washington University School of Medicine in St. Louis, SAINT LOUIS, MO, USA

3:00 PM - 3:10 PM

Lymph Node Fibroblastic Reticular Cells Sustain Conduits by Producing Laminins
L. Li¹, L. Wu¹, A. Kensiski¹, M. Willson-Shirkey¹, W. Piao¹, S. Gavzy¹, Y. Lee¹, R. Abdi², J. Bromberg¹, ¹*Surgery, University of Maryland, Baltimore, Baltimore, MD*, ²*Brigham & Womens Hosp, Boston, MA*

3:10 PM - 3:20 PM

Expansion of Centrilobular Hepatocytes in Progressive Liver Fibrosis Contributes to the Upregulation of Immune and Metabolic Dysfunction
H. Zubair¹, T. Rousselle¹, A. Shetty², S. Azim¹, D. Maluf³, V. Mas¹, ¹*Surgery, University of Maryland, Baltimore, MD*, ²*Genomic Institute, University of Maryland, Baltimore, MD*, ³*Transplant Surgery, University of Maryland Medical Center, Baltimore, MD*

3:20 PM - 3:30 PM

The Transcriptional Repressor BCL6 Controls IFN γ -induced Endothelial Antigen Presentation
A. Franco-Acevedo, J. J. Mack, N. M. Valenzuela, UCLA, Los Angeles, CA

3:30 PM - 3:40 PM

Bcl6 is Involved in Tgf β -induced Endothelial Cell Proliferation and Migration
A. Franco Acevedo, N. M. Valenzuela, UCLA, Los Angeles, CA

3:40 PM - 3:50 PM

Cold Stress-Induced Ferroptosis in Liver Sinusoidal

Endothelial Cells Regulates Liver Transplant Injury via Non-Canonical NRF2-Mediated Pathway

H. Kojima, H. Hirao, K. Kadono, T. Torgerson, K. J. Dery, S. Yao, F. M. Kaldas, J. W. Kupiec-Weglinski, *The Dumont-UCLA Transplant Center, Department of Surgery, David Geffen School of Medicine at UCLA, Los Angeles, CA*

3:50 PM - 4:00 PM

In-Depth Characterization and Functional Assessment of Donor and Recipient Tissue Resident Lymphocytes in Kidney Transplants

D. M. Hullegie-Peelen¹, H. Tejada Mora¹, D. A. Hesselink¹, E. M. Bindels², T. P. van den Bosch³, M. C. Clahsen-van Groningen¹, M. Dieterich¹, S. Heidt⁴, R. C. Minnee¹, G. M. Verjans⁵, M. J. Hoogduijn¹, C. C. Baan¹, ¹*Erasmus MC Transplant Institute, University Medical Center, Rotterdam, Netherlands*, ²*Department of Haematology, Erasmus MC, University Medical Center, Rotterdam, Netherlands*, ³*Department of Pathology, Erasmus MC, University Medical Center, Rotterdam, Netherlands*, ⁴*Department of Immunology, Leiden University Medical Center, Leiden, Netherlands*, ⁵*Department of Viroscience, Erasmus MC, University Medical Center, Rotterdam, Netherlands*

4:00 PM - 4:10 PM

Liver-Derived Mesenchymal Stromal Cells Are More Effective Than Those from Adipose Tissue or Bone Marrow in Reducing Inflammation in Vivo

Y. Liang¹, E. Ozdogan², L. Lerman¹, T. Taner¹, ¹*Mayo Clinic, Rochester, MN*, ²*Boston Children's Hospital, Harvard Medical School, Boston, MA*

4:10 PM - 4:20 PM

Iguratimod Alleviates Endothelial to Mesenchymal Transition by Influencing Dynamic Changes of Mitophagy During Renal Allograft Interstitial Fibrosis

Z. Gui¹, Z. Wang², H. Chen², L. Sun², S. Fei², Z. Han², J. Tao², X. Ju², R. Tan², M. Gu², ¹*Department of Urology, The Second Affiliated Hospital with Nanjing Medical University, Nanjing, China, Nanjing, China*, ²*Department of Urology, The First Affiliated Hospital of Nanjing Medical University, Nanjing, China*

Program Topic: Liver

Liver: Living Donor Liver Transplant and Partial Grafts

3:00 PM - 4:20 PM

Moderators:

Tarunjeet Klair, M.D., UT Health Science Center San Antonio, San Antonio, TX, USA

Nicolas Goldaracena, MD, University of Virginia, Charlottesville, VA, USA

3:00 PM - 3:10 PM

Living Liver Donor Exclusion Rate at University of Pittsburgh Medical Center

S. Ganesh, C. Hughes, A. Tevar, M. Molinari, V. Gunabushanam, A. Ganoza, A. Humar, *Transplant Surgery, University of Pittsburgh Medical Center, Pittsburgh, PA*

3:10 PM - 3:20 PM

Risk Factors Associated with Surgical Morbidities of Laparoscopic Living Liver Donors

J. Rhu¹, G. Choi¹, J. Kim², C. D. Kwon³, J. Joh¹, ¹*Samsung Medical Center, Seoul, Korea, Republic of*, ²*Department of Surgery, Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, Korea, Republic of*, ³*Cleveland Clinic, Cleveland, OH*

3:20 PM - 3:30 PM

An Intention-To-Treat Analysis of Live Donor Liver Transplantation vs. Deceased Donor Liver Transplantation for Patients with Autoimmune Liver Diseases

O. Jones¹, M. Classen¹, T. Ivanics¹, M. Catral², A. Ghanekar², C. Shwaartz², T. Reichman², B. Sayed², M. Selzner², C. Tsien², M. Bhat², E. Jaeckel², L. Lilly², N. Selzner², G. Sapisochin², ¹*Ajmera Transplant Center - University Health Network, Toronto, ON, Canada*, ²*Toronto General Hospital - University Health Network, Toronto, ON, Canada*

3:30 PM - 3:40 PM

Role of Splenic Volume in Predicting Early Allograft Dysfunction Following Adult Live Donor Liver Transplantation

A. E. Brown¹, H. J. Braun¹, J. Grab², N. Ascher³, J. Roberts³, ¹*General Surgery, University of California, San Francisco, San Francisco, CA*, ²*Biostatistics, University of California, San Francisco, San Francisco, CA*, ³*Transplant Surgery, University of California, San Francisco, San Francisco, CA*

3:40 PM - 3:50 PM

A Safe Strategy for Sequential Living Donor Liver Donation Following Living Donor Kidney Donation

R. Raj¹, M. Khalil², E. Calderon³, M. Fujiki⁴, B. Eghtesad³, C. Miller⁵, K. Hashimoto³, ¹*Transplant, Cleveland Clinic, Cleveland, OH*, ²*Cleveland Clinic, Cleveland, OH*, ³*Cleveland Clinic, Cleveland, OH*, ⁴*Cleveland Clinic Foundation,*

Cleveland, OH, ⁵The Cleveland Clinic, Bratenahl, OH

3:50 PM - 4:00 PM

Geographic Disparities in Utilization of Living Donor Liver Transplants for Racial and Ethnic Minorities in the United States

S. A. Dozil¹, W. Jackson², D. Goldberg³, ¹University of Miami Miller School of Medicine, Miami, FL, ²University of Colorado, Denver, CO, ³University of Miami, Miami, FL

4:00 PM - 4:10 PM

Who Donates to Whom in Living Donor Liver Transplantation? Exploring the Intersection of Race and Gender

M. Jesse¹, A. Liapakis², A. Pillai³, R. Salgia¹, D. Venkat¹, V. Kumar⁴, A. Manivannan¹, M. Lu¹, T. Zhang¹, N. Parikh⁵, E. Verna⁶, ¹Henry Ford, Detroit, MI, ²Yale School of Medicine, New Haven, CT, ³U of Chicago, Chicago, IL, ⁴U of Alabama, Birmingham, AL, ⁵U of Michigan, Ann Arbor, MI, ⁶Columbia University, New York, NY

4:10 PM - 4:20 PM

Future Liver Remnant Less Than 30% is Not Contraindication to Living Donor Right Hepatectomy

J. Kim¹, D. Choi², ¹Department of Surgery, Catholic University of Daegu College of Medicine, Daegu, Korea, Republic of, ²Catholic University of Daegu College of Medicine, Daegu, Korea, Republic of

Program Topic: Kidney

Kidney: Biomarkers - 1

3:00 PM - 4:20 PM

Moderators:

Sung Shin, Professor, Asan Medical Center, University of Ulsan College of Medicine, Seoul, Korea, Republic of
Sunil Kurian, PhD, Scripps Health, LA JOLLA, CA, USA

3:00 PM - 3:10 PM

Increases in Donor-Derived Cell-Free Dna Prior to Biopsy Proven Rejection in Kidney Transplant

J. S. Bromberg¹, Z. P. Demko², G. Fehringer², K. Marshall², M. Armer², H. Tabriziani², S. Bhorade², P. Gauthier², M. Samaniego-Picota³, ¹Department of Surgery, University of Maryland School of Medicine, Baltimore, MD, ²Natera, Inc., Austin, TX, ³Henry Ford Transplant Institute, Detroit, MI

3:10 PM - 3:20 PM

Development of Prognostic Biomarkers for Alloimmune Risk Stratification to Guide Personalised Recipient Care is

an Unmet Need in Kidney Transplantation

H. Copley¹, C. Wiebe², J. Kim¹, M. Manook¹, E. Williams¹, I. Mohorianu¹, C. Kling³, D. Kabelitz³, A. Leach⁴, P. Nickerson², V. Kosmoliaptis¹, ¹University of Cambridge, Cambridge, United Kingdom, ²University of Manitoba, Winnipeg, MB, Canada, ³Christian-Albrechts University Kiel, Kiel, Germany, ⁴EMBL-EBI, Hinxton, United Kingdom

3:20 PM - 3:30 PM

Validation of the Optimal Torque Teno Virus Range for Risk Stratification of Graft Rejection and Infection in Kidney Transplant Recipients by a Commercial PCR

F. Hauptenthal¹, I. Görzer², F. Gelas³, D. Kulifaj⁴, L. Brossault⁵, E. Puchhammer-Stöckl², G. Bond¹, ¹Division of Nephrology and Dialysis, Department of Medicine III, Medical University of Vienna, Vienna, Austria, ²Center for Virology, Medical University of Vienna, Vienna, Austria, ³bioMérieux SA, 38024 Grenoble Cedex 01, France, ⁴bioMérieux SA, 09340 Verniolle, France, ⁵bioMérieux SA, 69280 Marcy-l'Étoile, France

3:30 PM - 3:40 PM

Three-Way Comparison of Central DSA, %dd-cfDNA, and Molecular Biopsy Findings in Trifecta-Kidney: New Analyses in an Expanded Population of 605 Biopsies

K. S. Madill-Thomsen¹, L. G. Hidalgo², J. Reeve¹, D. Lowe³, C. Lawrence³, Z. P. Demko⁴, A. Prewett⁴, P. Gauthier⁴, P. Halloran¹, .. and the Trifecta Investigators⁵, ¹ATAGC, Edmonton, AB, Canada, ²University of Wisconsin Madison, Madison, WI, ³One Lambda Inc, West Hills, CA, ⁴Natera Inc, San Carlos, CA, ⁵., ., AB, Canada

3:40 PM - 3:50 PM

Improving Single Cell RNA-Sequencing Bioinformatics of BK-Polyomavirus (BKPyV)-Infected Human Renal Proximal Tubular Epithelial Cells Reveals Novel Stress Pattern with Potential Utility for Renal Biopsy Studies

H. H. Hirsch¹, S. Schmid², F. Weissbach², M. Schmid³, K. Leuzinger⁴, ¹University of Basel / Department Biomedicine, Basel, Switzerland, ²University of Basel, Basel, Switzerland, ³Genexa, Zurich, Switzerland, ⁴University Hospital Basel, Basel, Switzerland

3:50 PM - 4:00 PM

Optimizing Urinary Cell Mrna Profiling of Kidney Allograft Recipients: Development of a Home Processing Protocol for Noninvasive Diagnosis of T Cell Mediated Rejection and BK Virus Nephropathy

T. Salinas, C. Li, C. Snopkowski, G. Stryjniak, D. Shankaranarayanan, S. Albakry, R. Ding, V. Sharma, S. Salvatore, S. Seshan, D. Dadhania, T. Muthukumar, M. Suthanthiran, NewYork Presbyterian- Weill Cornell, New

York, NY

4:00 PM - 4:10 PM

Impact of OmniGraf Results on Renal Function Changes Over a Year : An Interim Report of the Trulo Study

N. Leca¹, C. Kew², S. Westphal³, M. Karim⁴, S. Bunnapradist⁵, D. Leeser⁶, T. Alhamad⁷, J. Von Visger⁸, J. Fleming⁹, J. Holman⁹, J. Weems⁹, I. Agboli⁹, W. Irish¹⁰, F. Shihab¹¹, ¹University of Washington, Seattle, WA, ²Univ of Alabama @Birmingham, Birmingham, AL, ³University of Nebraska Medical Center, Omaha, NE, ⁴University of Rochester Medical Center, Rochester, NY, ⁵David Geffen School of Medicine, Los Angeles, CA, ⁶East Carolina Univ Sch of Med, Greenville, NC, ⁷Washington University School of Medicine at St. Louis, Saint Louis, MO, ⁸Erie County Medical Center, Buffalo, NY, ⁹Transplant Genomics, Inc, Framingham, MA, ¹⁰East Carolina University, Raleigh, NC, ¹¹University of Utah Sch of Med, Salt Lake City, UT

4:10 PM - 4:20 PM

Development and Validation of an Integrative Dd-Cfnda System to Predict Allograft Rejection: An International Population Based Study

O. Aubert, C. Ursule-Dufait, R. Brousse, D. Anglicheau, C. Lefaucheur, A. Loupy, Paris Translational Center for Organ Transplantation, Paris, France

Program Topic: Infectious Disease

COVID-19 Vaccination

3:00 PM - 4:20 PM

Moderators:

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

Sara Belga, M.D., The University of British Columbia, Vancouver, BC, Canada

3:00 PM - 3:10 PM

SARS-CoV-2 Vaccination Rates and Uptake of Tixagevimab-Cilgavimab Among a Cohort of Pediatric Solid Organ Transplant Recipients

C. Reis, T. Madigan, E. Ristagno, Pediatric Infectious Diseases, Mayo Clinic, Rochester, MN

3:10 PM - 3:20 PM

Multi-Center Study of Omicron BA.4/5 Neutralizing Antibody and T-Cell Responses in Transplant Recipients After Three and Four Doses of COVID Vaccine

V. H. Ferreira¹, M. Ierullo¹, F. Mavandadnejad¹, Q. Hu², V. G.

Hall¹, N. Pinzon¹, D. Yotis¹, A. Gingras², S. Belga³, S. Shalhoub⁴, M. Hebert⁵, A. Humar¹, D. Kabbani⁶, D. Kumar¹, ¹UHN, Toronto, ON, Canada, ²MSH, Toronto, ON, Canada, ³UBC, Vancouver, BC, Canada, ⁴LHSC, London, ON, Canada, ⁵CHUM, Montreal, QC, Canada, ⁶UOA, Edmonton, AB, Canada

3:20 PM - 3:30 PM

Omicron Infections in Vaccinated Pediatric Solid Organ Transplant Recipients: Frequency, Severity, and Impact of Booster Dosing

J. McAteer¹, D. D. Kalluri¹, R. R. Abedon¹, C. X. Qin¹, S. R. Auerbach², O. Charnaya¹, L. A. Danziger-Isakov³, N. H. Ebel⁴, A. G. Feldman², E. K. Hsu⁵, S. Mohammad⁶, E. R. Perito⁷, J. L. Alejo¹, J. M. Garonzik-Wang⁸, D. L. Segev⁹, W. Werbel¹, D. B. Mogul¹, ¹Johns Hopkins University, Baltimore, MD, ²University of Colorado, Aurora, CO, ³University of Cincinnati, Cincinnati, OH, ⁴Stanford University, Palo Alto, CA, ⁵University of Washington, Seattle, WA, ⁶Vanderbilt University, Nashville, TN, ⁷University of California San Francisco, San Francisco, CA, ⁸University of Wisconsin, Madison, WI, ⁹New York University, New York City, NY

3:30 PM - 3:40 PM

Sars-Cov-2-Specific Immunological Memory Predicts Successful Booster Immunization and Severe Covid-19 in Solid Organ Transplant Patients

L. Donadeu¹, S. Gomez¹, E. Crespo¹, M. Lopez-Meseguer¹, L. Lladó², J. Gonzalez², I. Campos¹, A. Favà², M. Muñoz¹, J. Quintero¹, M. Cortese¹, A. Torija¹, M. Meneghini¹, D. Kervella¹, F. Moreso¹, O. Bestard¹, ¹Translational Transplant Center, Vall D'Hebron University Hospital, Barcelona, Spain, ²Bellvitge University Hospital, Barcelona, Spain

3:40 PM - 3:50 PM

Re-Emerging Covid Vaccine Hesitancy and Health Locus of Control in Inner-City Kidney Transplant Recipients

C. Peabody, J. Gomez, A. S. Varghese, B. S. Williams, J. Ahmad, M. Markell, Nephrology, SUNY Downstate Health Sciences University, Brooklyn, NY

3:50 PM - 4:00 PM

Immunosuppressive Treatment and CD4/CD8 T-Cell Exhaustion Impact SARS-CoV-2-Specific Adaptive Responses After mRNA Vaccination in Solid Organ Transplant Patients

L. Donadeu¹, S. Gomez¹, E. Crespo¹, M. Lopez-Meseguer¹, L. Lladó², J. González², I. Campos¹, A. Favà², M. Muñoz¹, J. Quintero¹, M. Cortese¹, A. Torija¹, M. Meneghini¹, D. Kervella¹, F. Moreso¹, O. Bestard¹, ¹Translational

Transplant Center, Vall D'Hebron University Hospital, Barcelona, Spain, ²Bellvitge University Hospital, Barcelona, Spain

4:00 PM - 4:10 PM

Risk Factors for Poor T-Cell Responses to Three Doses of SARS-CoV-2-mRNA Vaccination in Kidney Transplant Recipients

A. Vathsala¹, N. L. Bert², H. K. Sran³, E. Wong³, M. R. D'Costa³, A. Lim³, W. K. Koh³, A. Bertoletti², ¹National University Centre for Organ Transplantation, National University of Singapore, Singapore, Singapore, ²Programme in Emerging Infectious Diseases, Duke, National University of Singapore Medical School, Singapore, Singapore, ³National University Centre for Organ Transplantation, National University Hospital, Singapore, Singapore

4:10 PM - 4:20 PM

Bivalent SARS-CoV-2 mRNA Booster Vaccines in Transplant Recipients Improve Neutralization of Omicron Sublineages

A. Karaba¹, T. Johnston¹, Y. Eby¹, A. Abedon¹, J. Alejo¹, T. Chiang², A. L. Cox¹, D. Segev², A. A. Tobian¹, W. Werbel¹, ¹Johns Hopkins University, Baltimore, MD, ²New York University, New York, NY

Program Topic: Kidney

Kidney Immunosuppression: Desensitization

3:00 PM - 4:20 PM

Moderators:

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

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

3:00 PM - 3:10 PM

Early Results of the Adapt Desensitization Trial in Kidney Transplant (tx) Candidates with 100% Cpra: Impact of Carfilzomib and Belatacept

A. M. Jackson¹, K. Williams¹, L. Stempora¹, S. Song¹, G. H. Kelsoe¹, F. Lee², D. C. Nguyen², K. Mason³, S. Chandran⁴, J. F. Da Silva⁵, C. Breeden⁵, S. Sanoff¹, S. J. Knechtle¹, ¹Duke University, Durham, NC, ²Emory University, Atlanta, GA, ³Rho, Inc., Chapel Hill, NC, ⁴Immune Tolerance Network, San Francisco, CA, ⁵Immune Tolerance Network, Atlanta, GA

3:10 PM - 3:20 PM

Comparison of Preemptive Therapy Using High-Dose IVIG and Rituximab versus Rituximab Alone in Kidney Transplant Patients with Subclinical De Novo Donor-Specific Antibodies: A Randomized Clinical Trial
J. Myung, U. Lee, *Internal Medicine, Severance Hospital, Seoul, Korea, Republic of*

3:20 PM - 3:30 PM

IdeS Reduces Allo-Specific, Xeno-Reactive, and Protective Antibodies in an Allosensitized Nonhuman Primate Model
I. DeLaura¹, J. Zikos², I. Anwar¹, J. Yoon¹, J. Ladowski¹, D. Magnani², S. Knechtle¹, J. Kwun¹, ¹Duke Transplant Center, Durham, NC, ²MassBiologics, University of Massachusetts Medical School, Boston, MA

3:30 PM - 3:40 PM

Impact of Tocilizumab Based Desensitization on Access to Kidney Transplantation and Outcomes After Transplantation
I. Moinuddin, D. Kumar, K. Huber, M. Philogene, G. Gupta, *VCU Health, Richmond, VA*

3:40 PM - 3:50 PM

Individualized Approach to Hla-Incompatible Kidney Transplantation Based Solely on Virtual Crossmatch Results: A Single Center Experience
N. Garg¹, D. Mandelbrot², S. Parajuli³, L. G. Hidalgo¹, ¹University of Wisconsin Madison, Madison, WI, ²UW Health, Madison, WI, ³University of Wisconsin, Madison, WI

3:50 PM - 4:00 PM

Daratumumab (anti-cd38) for Desensitization (des) of Treatment-Resistant Highly Hla-Sensitized Esrd Patients
A. A. Vo¹, N. Ammerman¹, V. Bui¹, E. Huang¹, X. Zhang², B. Shin³, R. Vescio⁴, A. Peng¹, R. Najjar¹, C. Meyers¹, K. Lim¹, M. Gillespie¹, N. Badash¹, S. C. Jordan¹, ¹Kidney Transplant, Cedars-Sinai Medical Center, Los Angeles, CA, ²HLA Laboratory, Cedars-Sinai Medical Center, Los Angeles, CA, ³Transplant Immunology Laboratory, Cedars-Sinai Medical Center, Los Angeles, CA, ⁴Dept. of Hematology, Cedars-Sinai Medical Center, Los Angeles, CA

4:00 PM - 4:10 PM

Impact of Anti-CD38 Mab (Daratumumab) Plus Belatacept on HLA Antibodies and Bone Marrow Plasma Cells in Kidney Transplant Candidates with 100% CPRA: Early Results of ATTAIN (ITN090ST)
S. Chandran¹, R. Rajalingam², K. Mason³, T. Martin², S. Maruthamuthu², C. Breeden⁴, F. Vincenti², ¹ITN, San

Francisco, CA, ²UCSF, San Francisco, CA, ³Rho, Inc.,
Chapel Hill, NC, ⁴ITN, Atlanta, GA

4:10 PM - 4:20 PM

20-year Outcomes Following HLA-Incompatible Living
Donor Kidney Transplantation

J. D. Motter, A. B. Massie, D. L. Segev, *New York
University, New York, NY*

Break

4:20 PM - 4:30 PM

Rapid Fire Oral Abstract Sessions

4:30 PM - 5:30 PM

Program Topic: APP

Research / QI

4:30 PM - 5:30 PM

Moderators:

Beth Logan, PhD, Boston Children's Hospital, Boston, MA,
USA

Catherine Pantik, PhD, DNP, CareDx, Memphis, TN, USA

4:30 PM - 4:40 PM

Global Trends in Gender Authorship in High-Impact
Transplant Journals: A 10-Year Analysis

I. Faria¹, A. Montalvan¹, M. Kazimi¹, D. Eckhoff¹, P.
Martins², ¹*Beth Israel Deaconess Medical Center/Harvard
Medical School, Boston, MA*, ²*University of
Massachusetts, Worcester, MA*

4:40 PM - 4:50 PM

Impact of Liver Transplant (LT) Advanced Practice
Providers (apps): A Single Center Study

S. Nargiso¹, M. Lo², L. Ramos¹, A. Bolanos¹, Y. Genyk¹, L.
Sher¹, ¹*Surgery, University of Southern California, Los
Angeles, CA*, ²*Population and Public Health Sciences,
University of Southern California, Los Angeles, CA*

4:50 PM - 5:00 PM

Effect of a Multidisciplinary Team to Reduce Post Heart
Transplant Dialysis and Length of Stay

M. Lam¹, Z. Tulu¹, E. Henricksen¹, S. Duclos², S. Yates³, J.
Deng³, H. Packard¹, N. Cote¹, W. Hiesinger⁴, V. Rao⁵, J.
Teuteberg⁶, ¹*Transplant, Stanford Medicine, Stanford, CA*,
²*Cardiology, Stanford Medicine, Stanford, CA*,
³*Cardiothoracic Surgery, Stanford Medicine, Stanford, CA*,
⁴*Cardiothoracic Surgery, Stanford University, Stanford,*

CA, ⁵*Anesthesia, Stanford University, Stanford, CA*,
⁶*Cardiology, Stanford University, Stanford, CA*

5:00 PM - 5:10 PM

A Novel Intra-Operative Score to Predict Delayed Graft
Function in Renal Transplantation

T. Lawen¹, T. A. Skinner¹, L. Power², M. MacDonald¹, F.
Reyna-Sepulveda¹, S. Butler³, G. Ilie¹, J. Lawen¹, ¹*Urology,
Dalhousie University, Halifax, NS, Canada*, ²*Medicine,
Dalhousie University, Halifax, NS, Canada*, ³*Rowe School
of Business, Dalhousie University, Halifax, NS, Canada*

5:10 PM - 5:20 PM

Patient Characteristics of 30- and 90- Day Readmissions
After Liver Transplantation

J. Lok, R. Okeke, M. Wycoff, J. Tiede, A. Mannaa, J. Bettag,
M. Nazzal, *Saint Louis University, Saint Louis, MO*

5:20 PM - 5:30 PM

A Propensity Score Matched Analysis of Liver
Transplantation Outcomes in the Setting of Preservation
Solution Shortage

W. A. Preston, P. Altshuler, D. Pace, H. Kittle, A. Frank, J.
Glorioso, C. Ramirez, A. Shah, W. Maley, A. Bodzin,
*Surgery, Thomas Jefferson University Hospital,
Philadelphia, PA*

Program Topic: Liver

Liver: Surgery Innovative Techniques

4:30 PM - 5:30 PM

Moderators:

George Mazariegos, MD, UPMC Children's Hospital of
Pittsburgh, Pittsburgh, PA, USA

Adam Griesemer, MD, NYU Langone, New York, NY, USA

4:30 PM - 4:40 PM

Effect of Ischemia-Free Liver Transplantation vs
conventional Liver Transplantation on Complications
Related to Ischemia Reperfusion Injury in Patients with
End Stage Liver Disease

X. He, Z. Guo, D. Wang, W. Ju, Y. Ma, A. Hu, Y. Chen, Y.
Tang, Z. Chen, T. Wang, X. Zhu, *First Affiliated Hospital of
Sun Yat-sen University, Guangzhou, China*

4:40 PM - 4:50 PM

Multi-Center Liver Allograft and Patient Outcomes After
Thoracoabdominal Normothermic Regional Perfusion for
Donation After Circulatory Death Donors

R. Taj¹, A. Brubaker², B. Jackson³, A. Gupta⁴, J. Gardner⁵,

T. Chaly⁶, A. K. Mathur⁷, J. Bellingham⁸, E. Thomas⁹, J. Wellen¹⁰, J. Pan¹¹, M. Kearns³, V. Pretorius³, G. T. Schnickel³, ¹University of California San Diego Medical Center, La Jolla, CA, ²Stanford University Medical Center, San Diego, CA, ³University of California San Diego, La Jolla, CA, ⁴University of California San Francisco, San Francisco, CA, ⁵University of California, San Francisco, San Francisco, CA, ⁶Arizona Transplant Associates, PC, Phoenix, AZ, ⁷Mayo Clinic, Phoenix, AZ, ⁸California Pacific Medical Center, Orinda, CA, ⁹University of Texas, San Antonio, TX, ¹⁰Washington University, St. Louis, MO, ¹¹Stanford University Medical Center, Stanford, CA

4:50 PM - 5:00 PM

Early Outcomes and Hospital Resource Utilization After Liver Transplantation: Impact of Normothermic Mechanical Perfusion in a High Volume U.S. Dcd Liver Transplant Center

M. C. Nguyen, B. Aqel, C. Zhang, E. Luque Villa, D. Douglas, W. Hewitt, J. Harbell, C. Jadowiec, N. Katariya, A. Singer, A. Moss, K. Reddy, A. K. Mathur, *Mayo Clinic, Phoenix, AZ*

5:00 PM - 5:10 PM

Ex Situ End Ischemic Hypothermic Oxygenated Perfusion (HOPE) versus Static Cold Storage Prior to Liver Transplantation - Positive Interim 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. Reich¹, A. Schlegel², M. Rizzari³, K. Hashimoto⁴, S. Mao⁵, S. Florman⁶, D. Foley⁷, A. Pinna¹, M. De Vera⁸, W. Chapman⁹, G. Roll¹⁰, A. Saharia¹¹, H. Bohorquez¹², M. Akoad¹³, S. Merani¹⁴, S. Kubal¹⁵, ¹Cleveland Clinic Florida, Weston, FL, ²Policlinico, Milan, Italy, ³Henry Ford, Detroit, MI, ⁴Cleveland Clinic, Cleveland, OH, ⁵Mayo Clinic, Jacksonville, FL, ⁶Mount Sinai, New York, NY, ⁷U. Wisconsin, Madison, WI, ⁸Loma Linda, Loma Linda, CA, ⁹Washington U., St Louis, MO, ¹⁰UCSF, San Francisco, CA, ¹¹Methodist, Houston, TX, ¹²Oschner Clinic, New Orleans, LA, ¹³Lahey Clinic, Burlington, MA, ¹⁴U. Nebraska, Omaha, NE, ¹⁵Indiana U., Indianapolis, IN

5:10 PM - 5:20 PM

Classified Analysis and Proposal of Surgical Indications for Ex-Vivo Liver Resection and Autotransplantation
A. Aini, Q. Lu, J. Dong, *Hepatopancreatobiliary Center, Organ Transplantation Center, Beijing Tsinghua Changgung Hospital, Beijing, China*

5:20 PM - 5:30 PM

Comparison of Pure Laparoscopic Donor Right Posterior Sectionectomy versus Right Hemihepatectomy for Living Donor Liver Transplantation

C. Cho¹, G. Choi², D. Lee³, H. Kim³, K. Kim⁴, ¹Surgery, Yeungnam University Medical Center, Daegu, Korea, Republic of, ²Surgery, Seoul, Korea, Republic of, ³Yeungnam University Medical Center, Daegu, Korea, Republic of, ⁴Hanyang University School of Medicine, Seoul, Korea, Republic of

Program Topic: Basic Science

Innate Immunity; Chemokines, Cytokines, Complement

4:30 PM - 5:30 PM

Moderators:

Nicole Valenzuela, Ph.D, UCLA, Los Angeles, CA, USA
Wayne Hancock, MD, PhD, Children's Hospital of Philadelphia & University of Pennsylvania, Philadelphia, PA, USA

4:30 PM - 4:40 PM

Genomic Mismatch at the Sirpa Locus and Long-Term Kidney Allograft Outcomes

A. Cherukuri, H. Dai, M. Oberbarnscheidt, K. Abou-Daya, F. Lakkis, *UPMC, Pittsburgh, PA*

4:40 PM - 4:50 PM

Understanding the Heterogeneity of Alloreactive Natural Killer Cell Function in Kidney Transplantation

D. Ruan¹, M. Fribourg¹, N. Chun¹, P. Cravedi¹, A. Horowitz¹, P. Heeger², ¹Icahn School of Medicine at Mount Sinai, New York, NY, ²Cedars-Sinai Medical Center, West Hollywood, CA

4:50 PM - 5:00 PM

Negative Impact of Liver Fibrosis on the Antitumor Activity of Liver Natural Killer Cells

Y. Imaoka¹, M. Ohira¹, K. Imaoka², T. Bekki¹, H. Ohdan¹, ¹Hiroshima University, Hiroshima, Japan, ²Department of Gastroenterological and Transplant Surgery, Graduate School of Biomedical and Health Sciences, Hiroshima U, Hiroshima, Japan

5:00 PM - 5:10 PM

AXL Inhibition Suppresses Monocyte-To-Macrophage Differentiation and Prolongs Allograft Survival

C. Z. Jordan, A. Dangi, I. Husain, J. Kwun, X. Luo, *Duke*

University School of Medicine, Durham, NC

Waltham, MA

5:10 PM - 5:20 PM

The Epigenetic and Transcriptional Landscape of Monocyte Memory Formation in Response to Allogeneic Non-Self

J. Ossart¹, N. Feizi¹, M. Heitz², S. Masri², H. Dai¹, A. Williams¹, F. G. Lakkis¹, A. Cherukuri¹, G. Schiebinger², M. H. Oberbarnscheidt¹, K. I. Abou-Daya¹, ¹Thomas E. Starzl Transplantation Institute, University of Pittsburgh, Pittsburgh, PA, ²Department of Mathematics, University of British Columbia, Vancouver, BC, Canada

5:20 PM - 5:30 PM

Neutrophil CEACAM1 Determines the Susceptibility to Autophagy-Driven NETosis by Regulating S1PR2/S1PR3 Axis in Liver Transplantation

H. Hirao, H. Kojima, K. J. Dery, D. G. Farmer, F. Kaldas, J. Kupiec-Weglinski, UCLA, Los Angeles, CA

Program Topic: Infectious Disease

Donor Issues in Transplant ID

4:30 PM - 5:30 PM

Moderators:

Stephanie Pouch, MD, MS, FAST, Emory University School of Medicine, Atlanta, GA, USA

Judith Anesi, MD, MSCE, University of Pennsylvania, Philadelphia, PA, USA

4:30 PM - 4:40 PM

Donor Derived Transmissions 2021: Analysis of the OPTN Ad Hoc Disease Transmission Advisory Committee (DTAC)

S. M. Pouch¹, J. Anesi¹, G. Berry¹, K. Dunn¹, C. Fisher¹, J. Goldman¹, S. Ho¹, M. Kittleson¹, D. Lee¹, D. J. Levine¹, C. Marboe¹, G. Marklin¹, R. Razonable¹, M. Sellers¹, S. Taimur¹, H. Te¹, A. Trindade¹, R. P. Wood¹, A. E. Woolley¹, L. Zaffiri¹, C. Jett², S. Tlusty², J. Howell², T. Livelli², R. M. La Hoz¹, L. Danziger-Isakov¹, ¹OPTN DTAC, Richmond, VA, ²UNOS, Richmond, VA

4:40 PM - 4:50 PM

Opo Donor Testing: Minimizing Donor-Derived Infections and Optimizing Post-Transplant Management

A. E. Woolley¹, S. Endicott², K. Jones², F. Fynn-Thompson², S. Kulkarni², G. Lipkowitz², C. V. Strom², J. Wojtowicz², J. Stinebring², H. M. Nelson², C. Curran², A. K. Glazier², F. L. Delmonico², ¹Brigham and Women's Hospital, Boston, MA, ²New England Donor Services,

4:50 PM - 5:00 PM

Surveillance and Treatment of Donor-Derived Human Herpesvirus 8 Infection in Transplant Recipients: A Strict Protocol to Impact on Mortality

A. Mularoni¹, P. Grossi², A. Cona³, A. De Luca³, E. Di Marco³, D. Di Carlo³, P. Conaldi³, M. Luppi⁴, ¹ISMETT IRCCS, Palermo, Italy, ²Univ degli Studi dell'Insubria, Varese, Italy, ³ISMETT, Palermo, Italy, ⁴Università degli Studi di Modena e Reggio Emilia, Modena, Italy

5:00 PM - 5:10 PM

Quantifying the Potential Pool of Cardiothoracic Organs from Donors with HIV

M. Bowring¹, J. Ruck¹, M. Bryski¹, Z. Nauroz¹, J. Alejo¹, W. Werbel¹, D. Segev², C. Durand¹, A. Massie², ¹Johns Hopkins University, Baltimore, MD, ²NYU Langone Health, New York, NY

5:10 PM - 5:20 PM

Regional Differences in the Utilization of HCV NAT-Positive Donors in Kidney Transplantation

N. Leeaphorn¹, R. Attieh¹, H. Wade¹, S. Mao¹, M. A. Mao¹, W. Cheungpasitporn², T. Jarmi¹, ¹Mayo Clinic, Jacksonville, FL, ²Mayo Clinic, Rochester, MN

5:20 PM - 5:30 PM

Ureaplasma and Mycoplasma Species Transmission Through Solid Organ Transplantation in the United States: A Report from the Ad Hoc Disease Transmission Advisory Committee

L. Zaffiri¹, A. Trindade², S. Pouch³, J. Anesi⁴, K. Dunn⁵, G. Berry⁶, S. Taimur⁷, C. Fisher⁸, J. Goldman⁹, S. Ho¹⁰, M. Kittleson¹, D. H. Lee¹¹, C. Marboe¹², M. Sellers¹³, R. Wood¹⁴, A. Wooley¹⁵, T. Livelli¹⁶, C. Jett¹⁶, R. M. La Hoz¹⁷, L. Danziger-Isakov¹⁸, ¹Cedars Sinai Medical Center, Los Angeles, CA, ²Allergy, Pulmonary and Critical Care Medicine, Vanderbilt University Medical Center, Nashville, TN, ³Emory University School of Medicine, Decatur, GA, ⁴University of Pennsylvania, Philadelphia, PA, ⁵Yale New Haven Hospital, New Haven, CT, ⁶UCSF, San Francisco, CA, ⁷Mount Sinai Medical Center, New York, NY, ⁸University of Washington, Seattle, WA, ⁹Swedish Hospital, Seattle, WA, ¹⁰Gift of Hope Organ and Tissue Donor Network, Itasca, IL, ¹¹University of South Florida, Tampa, FL, ¹²Columbia University, New York, NY, ¹³Tennessee Donor Services, Nashville, TN, ¹⁴LifeGift, Houston, TX, ¹⁵Harvard, Boston, MA, ¹⁶UNOS, Richmond, VA, ¹⁷UT Southwestern Medical Center, Dallas, TX, ¹⁸Cincinnati Children's Hospital Medical Center, Cincinnati, OH

Program Topic: Liver

Liver: Kidney Issues in Liver Transplantation

4:30 PM - 5:30 PM

Moderators:

Alexandra Shingina, MD MSc, VUMC, Vanderbilt, TN, USA
Timucin Taner, MD, PhD, Mayo Clinic, Rochester, MN, USA

4:30 PM - 4:40 PM

Rejection and Survival Outcomes in Simultaneous Liver Kidney Transplant versus Kidney After Liver
P. Ghali¹, R. Attieh², K. Croome³, L. White⁴, D. Hodge⁴, H. Wade², ¹Medicine, University of Florida Jacksonville, Jacksonville, FL, ²Transplant, Mayo Clinic, Jacksonville, FL, ³Mayo Clinic Jacksonville, Jacksonville, FL, ⁴Clinical Trials and Biostatistics, Mayo Clinic, Jacksonville, FL

4:40 PM - 4:50 PM

Secular Trends in Incident ESRD Following Liver Transplantation

L. Zeiser¹, J. Ruck², A. Massie¹, D. Segev¹, E. King², ¹NYU, New York, NY, ²Johns Hopkins University, Baltimore, MD

4:50 PM - 5:00 PM

Comparing Immediate versus Delayed Calcineurin Inhibitor Use After Liver Transplant

B. Braun¹, L. Lindberg², S. LeCorchick², L. Dong², R. Gilroy², ¹Intermountain Medical Center, Murray, UT, ²Intermountain Medical Center, Salt Lake City, UT

5:00 PM - 5:10 PM

Reduction in Rate of Post-Operative Acute Kidney Injury with Single Intra-Operative Dose of Steroids in Transplantation of Donation After Cardiac Death Liver Grafts

Z. P. Rokop¹, K. Zorbas², P. Mihaylov², B. Ekser², R. Mangus², C. Kubal², ¹Department of Surgery, Indiana University School of Medicine, Indianapolis, IN, ²Department of Transplant Surgery, Indiana University School of Medicine, Indianapolis, IN

5:10 PM - 5:20 PM

Risk Factors for Death Censored Graft Loss, Death and Renal Allograft Rejection in Simultaneous Liver Kidney Transplant

N. Lynn¹, M. Ji², K. Flores¹, S. Chang², R. Delos Santos¹, T. Alhamad¹, M. Merzkani¹, ¹Nephrology, Washington University in St Louis, St Louis, MO, ²Washington University in St Louis, St Louis, MO

5:20 PM - 5:30 PM

A Nationwide Analysis of Utilization of Hemodialysis for Hepatorenal Syndrome in Alcoholic Hepatitis and Outcomes with Liver Transplant

U. Farooq¹, Z. Tarar², A. El Alayli³, A. Jaan¹, K. Qureshi⁴, ¹Internal Medicine, Rochester General Hospital, Rochester, NY, ²University of Missouri, Columbia, MO, ³Internal Medicine, Saint Louis University, Saint Louis, MO, ⁴Department of Gastroenterology and Hepatology, Saint Louis University, Saint Louis, MO

Program Topic: Kidney

Kidney Acute Antibody Mediated Rejection

4:30 PM - 5:30 PM

Moderators:

Mark Stegall, MD, Mayo Clinic, Rochester, MN, USA
Thangamani Muthukumar, MD, Weill Cornell Medicine, New York, NY, USA

4:30 PM - 4:40 PM

Circulating and Allograft Infiltrating CD56^{dim}CD16^{bright} NK Cells in Kidney Allograft Antibody-Mediated Rejection Display Transcriptomic and Epigenetic Changes Conferring Their Increased IL-21 Responsiveness and Th1 Proinflammatory Cytotoxic Profile

E. Bailly¹, C. Macedo¹, J. Ossart¹, X. Gu¹, A. Zeevi¹, P. Randhawa¹, C. Lefaucheur², D. Metes¹, ¹Starzl Transplantation Institute, Pittsburgh, PA, ²INSERM UMR-S976, Université de Paris, Paris, France

4:40 PM - 4:50 PM

ATN-Like ABMR Transcriptome is Similar to Acute Active ABMR in Early Post-Transplant Period

P. Hrubá¹, P. Mrazova¹, J. Klema², A. Le², O. Viklicky¹, ¹Institute for Clinical and Experimental Medicine, Prague, Czech Republic, ²Czech Technical University, Prague, Czech Republic

4:50 PM - 5:00 PM

Evaluation of HistoMap Molecular Model for Renal Allograft Rejection Diagnosis in Biopsies with Suspicious Histologic Findings for Antibody-Mediated Rejection

I. Moinuddin¹, G. Gupta¹, N. Garg², F. Aziz², A. Djamali³, J. Bromberg⁴, H. Zhang⁵, F. Collin⁵, N. Agrawal⁶, G. Shekhtman⁵, T. R. Srinivas⁵, K. Calcuttawala⁵, R. Woodward⁵, E. Akalin⁷, ¹Virginia Commonwealth University, Richmond, VA, ²University of Wisconsin, Madison, WI, ³Maine Medical Center, Portland, ME, ⁴University of Maryland School of Medicine, Baltimore,

MD, ⁵CareDx Inc., Brisbane, CA, ⁶CareDx Inc., Brookline, MA, ⁷Montefiore Medical Center, Bronx, NY

5:00 PM - 5:10 PM

Real Word Evidence of the Effectiveness of the Treatment of Antibody Mediated Rejection in Kidney Transplant Recipients

G. Divard¹, S. Naser¹, S. Al-Awadhi¹, C. Debiais¹, M. Maanaoui², I. Juric³, M. R. Castro⁴, N. Kamar⁵, J. Gueguen⁶, M. Crespo⁷, O. Aubert¹, L. Alexandre¹, C. Lefaucheur¹, ¹Paris Transplant Group, Paris, France, ²CHU de Lille, Lille, France, ³University Hospital Centre Zagreb, Zagreb, Croatia, ⁴Hospital das Clínicas da Faculdade de Medicina da USP, Sao Paulo, Brazil, ⁵CHU de Toulouse, Toulouse, France, ⁶CHU de Tours, Tours, France, ⁷Nephrology and Kidney Transplantation, Hospital del Mar, Barcelona, Spain

5:10 PM - 5:20 PM

Assessment of NK Cell Alloreactivity in HLA Sensitized Patients: Association with Risk for Antibody-Mediated Rejection

A. A. Vo, S. C. Jordan, B. Shin, N. Ammerman, A. Peng, R. Najjar, E. Huang, Comprehensive Transplant Center, Cedars-Sinai Medical Center, Los Angeles, CA

5:20 PM - 5:30 PM

Spatially Resolved Transcriptomics in Biopsies from Angiotensin II Type 1 Receptor Antibody Positive Kidney Transplant Recipients with and without Concurrent Human Leukocyte Antigen Donor Specific Antibodies

M. H. Pearl, J. Zuckerman, D. Elashoff, T. Romero, C. Niu, Y. Su, E. Reed, University of California LA, Los Angeles, CA

Program Topic: Heart

Optimizing Heart Transplant Outcomes

4:30 PM - 5:30 PM

Moderators:

Josef Stehlik, MD, University Of Utah School Of Medicine, Salt Lake City, UT, USA
Monica Colvin, Professor of Medicine, University of Michigan, Ann Arbor, MI, USA
Howard Eisen, MD, Thomas Jefferson University, Philadelphia, PA, USA

4:30 PM - 4:40 PM

Reclassifying Rejection in 3258 Heart Transplant Biopsies Using Optimized Algorithms

P. F. Halloran¹, K. S. Madill-Thomsen¹, P. T. Gauthier¹, J. Reeve¹, .. & the INTERHEART Study Group², ¹ATAGC, Edmonton, AB, Canada, ², .., AB, Canada

4:40 PM - 4:50 PM

Landscape and Outcomes of Heart Transplantation in Recipients with Hiv

M. Bowring¹, Z. Nauroz¹, J. Ruck¹, J. Alejo¹, V. Hemmige², M. Pereira³, A. Massie⁴, D. Segev⁴, C. Durand¹, ¹Johns Hopkins University, Baltimore, MD, ²Montefiore Medical Center, Bronx, NY, ³Columbia University Irving Medical Center, New York, NY, ⁴NYU Langone Health, New York, NY

4:50 PM - 5:00 PM

Impact of Continuously Elevated Donor-Derived Cell Free Dna Levels on Clinical Outcomes in Heart Transplant Patients

J. Mancuso¹, R. Alharethi², T. Dalia¹, H. Farhoud³, J. Zeng⁴, W. Tian⁴, Z. Shah¹, A. Vidic¹, S. Pinney⁵, ¹University of Kansas Medical Center, Kansas City, KS, ²Intermountain Medical Center, Murray, UT, ³University of Kansas Medical Center, Wichita, KS, ⁴CareDx Inc., Brisbane, CA, ⁵University of Chicago Medical Center, Chicago, IL

5:00 PM - 5:10 PM

Roadmap to Improved Outcomes After Heart Transplantation: Look EAST!

J. Kobashigawa¹, S. Nunoda², N. Patel¹, M. Kittleson¹, S. Kim¹, T. Singer-Englar¹, D. Chang¹, E. Kransdorf¹, A. Nikolova¹, L. Czer¹, J. Patel¹, ¹Cedars-Sinai Smidt Heart Institute, Los Angeles, CA, ²Tokyo Women's Medical University Medical Center East, Tokyo, Japan

5:10 PM - 5:20 PM

Elastography Does Not Predict Cirrhosis in Patients Referred for Advanced Heart Failure Therapies

N. Roth¹, D. Lech², Z. Patel³, M. Avila⁴, S. Maybaum⁴, G. Stevens⁴, ¹Department of Medicine, Division of Hepatology, Northwell Health, Manhasset, NY, ²Department of Medicine, Division of Gastroenterology, Northwell Health, Manhasset, NY, ³Department of Medicine, Northwell Health, Manhasset, NY, ⁴Department of Cardiology, Northwell Health, Manhasset, NY

5:20 PM - 5:30 PM

Post-Transplantation Outcome of Sensitized Heart Failure Patients in Korea

D. Kim¹, J. Choi², Y. Cho², K. Sung², J. Oh³, H. Cho⁴, S. Jung⁵, H. Lee⁴, J. Park⁶, D. Choi⁶, S. Kang³, J. Kim⁵, ¹Samsung Medical Center, Korea, Korea, Republic of, ²Samsung Medical Center, Seoul, Korea, Republic of,

³Yonsei University College of Medicine, Seoul, Korea, Republic of, ⁴Seoul National University College of Medicine, Seoul, Korea, Republic of, ⁵Asan Medical Center, Seoul, Korea, Republic of, ⁶Seoul National University Bundang Hospital, Seoul, Korea, Republic of

Program Topic: Pharmacy

Pharmacokinetics/Pharmacogenomics/Drug Interactions

4:30 PM - 5:30 PM

Moderators:

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

Pamla Jacobson, PharmD, Univ of MN, College of Pharmacy, Minneapolis, MN, USA

4:30 PM - 4:40 PM

Age Influence on P-glycoprotein Function in Peripheral Blood Mononuclear Cells in Stable Kidney Transplant Recipients

K. M. Tornatore¹, K. Attwood², H. Minderman³, K. O'Loughlin³, B. Murray⁴, ¹Pharmacy, School of Pharmacy and Pharmaceutical Sciences; University at Buffalo, Buffalo, NY, ²Biostatistics; Roswell Park Comprehensive Cancer Center, Buffalo, NY, ³Flow and Image Cytometry Shared Resource; Roswell Park Comprehensive Cancer Center, Buffalo, NY, ⁴Medicine, Erie County Medical Center; Jacobs School of Medicine and Biomedical Sciences; University at Buffalo, Buffalo, NY

4:40 PM - 4:50 PM

Managing the Significant Drug-Drug Interaction Between Tacrolimus and Isavuconazole in Solid Organ Transplant Recipients

J. Hedvat¹, D. M. Salerno¹, J. Scheffert¹, M. Pereira², N. W. Lange³, ¹New York-Presbyterian Hospital, New York, NY, ²Columbia University Irving Medical Center, New York, NY, ³Pharmacy, New York-Presbyterian Hospital, New York, NY

4:50 PM - 5:00 PM

Pharmacokinetic Evaluation of Tacrolimus Extended Release and Tacrolimus Immediate Release Combined with Early Steroid Withdrawal in De Novo Kidney Transplant Recipients

R. Alloway¹, R. Tanka², T. Minuzo², A. Vinks², E. Yanqui¹, H. Hames¹, S. Tremblay³, A. Govil¹, A. Shields¹, E. Woodle¹, ¹Univ of Cincinnati, Cincinnati, OH, ²Cincinnati Childrens

Medical Center, Cincinnati, OH, ³Veloxis Pharmaceuticals, Cary, NC

5:00 PM - 5:10 PM

Possible Regulatory Variant in the CYP3A Gene Association with Tacrolimus (TAC) Troughs in African American Kidney Transplant Recipients

M. Mohamed¹, C. Dorr², D. Schladt³, A. Saqr¹, R. Rimmel¹, G. Onyeaghala², W. Guan¹, B. Wu⁴, R. B. Mannon⁵, A. Matas¹, W. Oetting¹, A. Israni², P. Jacobson¹, ¹Univ of MN, Minneapolis, MN, ²Hennepin Healthcare Research Institute and Univ of MN, Minneapolis, MN, ³Hennepin Healthcare Research Institute, Minneapolis, MN, ⁴University of California Irvine, Irvine, CA, ⁵University of Nebraska Medical Center, Omaha, NE

5:10 PM - 5:20 PM

Impact of Combined Cyp3a5, Cyp3a4 and Por*28 Genotypes on Tacrolimus Dose Requirements in Early Phase Kidney Transplant Patients

M. Elsharkawy¹, D. A. Ismail², N. M. Lotfy³, M. A. Mahmoud⁴, A. I. Ebid⁵, ¹Department of Internal Medicine & Nephrology, Ain Shams University, Cairo, Egypt, ²Clinical Pharmacy Department, Misr International University, Cairo, Egypt, ³Department of Clinical Pathology, Ain Shams University, Cairo, Egypt, ⁴Department of Pharmacy Practice, Helwan University, Cairo, Egypt, ⁵Helwan University, Department of Pharmacy Practice, Egypt

5:20 PM - 5:30 PM

Mycophenolic Acid Exposure in Belatacept or Tacrolimus When Combined with Early Steroid Withdrawal in Kidney Transplant Recipients

M. P. Chau¹, A. Shields², J. Kremer³, J. Kaur², E. Woodle², R. Alloway², ¹University of Cincinnati, Cincinnati, OH, ²Univ of Cincinnati, Cincinnati, OH, ³The Christ Hospital, Cincinnati, OH

Program Topic: Kidney

Kidney Complications: Immune Mediated Late Graft Failure

4:30 PM - 5:30 PM

Moderators:

Puneet Sood, MD, MPH, University of Pittsburgh Medical Center, PITTSBURGH, PA, USA

Jun Shoji, MD, Cedars Sinai Medical Center, Los Angeles, CA, USA

4:30 PM - 4:40 PM

Repeat HLA Class II Mismatches Are Associated with Increased Graft Loss of the Second Kidney Transplant: A Contemporary Collaborative Transplant Study (CTS) Registry Analysis

L. Pipeleers, *Nephrology, UZ Brussel, Brussels, Belgium*

4:40 PM - 4:50 PM

The Age-Dependent Difference in Graft Failure is Preceded by Age-Dependent Differences in De Novo Donor-Specific Antibody Development and Rejection

A. Han, E. Cho, A. Cho, H. Woo, M. Ko, S. Min, J. Ha, *Seoul National University College of Medicine, Seoul, Korea, Republic of*

4:50 PM - 5:00 PM

Early Post-Transplant Proteinuria, Allograft Inflammation and Renal Transplant Outcomes

T. Yamada, H. Karimi, C. Elias, S. Hariharan, K. Abou-Daya, A. Cherukuri, *UPMC, Pittsburgh, PA*

5:00 PM - 5:10 PM

Offspring Living Donor Transplant Outcomes: Is the Risk of Transplant Failure Immune Mediated?

J. Lan¹, E. Hendren¹, M. Kadatz¹, D. Chang¹, R. Liwski², J. Gill¹, J. Gill¹, ¹*University of British Columbia, Vancouver, BC, Canada*, ²*Dalhousie University, Halifax, NS, Canada*

5:10 PM - 5:20 PM

An Artificial Intelligence Approach for Prediction of Worsening Renal Allograft Function

R. Naik¹, R. Ware², D. Jadvani¹, B. Makwana¹, A. Susma¹, Z. Hajjiri¹, C. B. Do¹, S. Setty³, S. Mittal², ¹*UIC, Chicago, IL*, ²*UW, Seattle, WA*, ³*Pathology, UIC, Chicago, IL*

5:20 PM - 5:30 PM

Eplet Mismatch Predicts Sensitization in Transplant Failure Patients

J. Tran, I. Alrajhi, D. Chang, M. Kadatz, K. Sherwood, J. Gill, J. Gill, J. Lan, *University of British Columbia, Vancouver, BC, Canada*

Program Topic: Basic Science

Biomarkers: Liver

4:30 PM - 5:30 PM

Moderators:

Aravind Cherukuri, MD, PhD, University of Pittsburgh, Pittsburgh, PA, USA

Jonathan Merola, MD, PhD, New York Presbyterian Hospital/Columbia University, New York, NY, USA

4:30 PM - 4:40 PM

Association of Epigenetic Age with Clinical Frailty and Outcomes in a Pilot Study of Patients Undergoing Liver Transplantation

S. Roa¹, S. Seetharaman², T. Y. Garcia¹, M. Fuentealba¹, D. Furman¹, S. C. LaHue², J. C. Lai³, J. Newman¹, ¹*Buck Institute, Novato, CA*, ²*UCSF, San Francisco, CA*, ³*University of California San Francisco, San Francisco, CA*

4:40 PM - 4:50 PM

Immunometabolic Shifts Are Associated with Development of Severe Pre-Liver Transplant Immune Dysfunction

L. Jin¹, G. G. Panayotova¹, A. Lemenze², S. Simonishvili¹, Y. Qin¹, L. J. Minze³, T. Ayorinde¹, Y. Shah¹, J. Faybusovich¹, T. Zoumpou¹, F. Paterno¹, A. Amin¹, G. S. Lee-Riddle¹, R. M. Ghobrial³, J. V. Guarrera¹, K. E. Lunsford¹, ¹*Liver Transplant and HPB Surgery, Rutgers, New Jersey Medical School, Newark, NJ*, ²*Center for Immunity and Inflammation, Rutgers, Biomedical and Health Sciences, Newark, NJ*, ³*Center for Liver Disease and Transplantation, Houston Methodist Hospital, Houston, TX*

4:50 PM - 5:00 PM

Differential Components of Donor versus Recipient Insulin Pathways Affect Development of Post Liver Transplant Diabetes Mellitus

O. Shaked¹, B. Chang¹, S. Asrani², J. Trotter³, K. Olthoff¹, B. Keating¹, A. Shaked¹, ¹*University of Pennsylvania, Philadelphia, PA*, ²*Liver Consultants of Texas, Dallas, TX*, ³*Baylor University Medical Center, Dallas, TX*

5:00 PM - 5:10 PM

Metabolic Flexibility: Predictor of Weight Gain Among Liver Transplant Recipients

C. Bhati¹, R. Chaudhari², A. Bui², S. Wolver², S. Patel², M. Forsgren³, D. Kirkman², M. S. Siddiqui², ¹*Surgery, University of Maryland School of Medicine, Baltimore, MD*, ²*Medicine, Virginia Commonwealth University, Richmond, VA*, ³*Amra Medical, Richmond, VA*

5:10 PM - 5:20 PM

Development of Immune-Related Gene Polymorphism Sets for Predicting Characteristic Complications After Liver Transplantation

Y. Tanaka, N. Tanimine, N. Tsukiyama, K. Ono, A. Seidakhmetov, H. Yamane, H. Sakai, R. Nakano, H. Tahara, M. Ohira, K. Ide, H. Ohdan, *Gastroenterological and*

Transplant Surgery, Hiroshima University, Hiroshima, Japan

5:20 PM - 5:30 PM

The Impact of Donor and Recipient Polygenic Risk Score Interactions on the Development of Post-Transplant Diabetes Mellitus

O. Shaked¹, B. Chang¹, K. Olthoff¹, S. Asrani², J. Trotter³, B. Keating¹, A. Shaked¹, ¹*University of Pennsylvania, Philadelphia, PA*, ²*Liver Consultants of Texas, Dallas, TX*, ³*Baylor University Medical Center, Dallas, TX*

Program Topic: Kidney

Health Equity and Access - 1

4:30 PM - 5:30 PM

Moderators:

Lisa McElroy, MD MS, Duke University, Durham, NC, USA
Juan Carlos, MD, Northwestern University, Chicago, IL, USA

4:30 PM - 4:40 PM

The Costs of Pretransplant Services in Kidney Transplantation in the United States: Implications for Increasing Transplant Referrals

S. Mohanty¹, K. Xu², A. Dor², X. Cheng¹, ¹*Stanford University, Palo Alto, CA*, ²*George Washington University Milken Institute School of Public Health, Washington, DC*

4:40 PM - 4:50 PM

Estimating Advance Care Planning and Palliative Care Consultation Prevalence and Racial Disparities Among Kidney Transplant Candidates and Recipients

M. Fisher¹, J. Scherer², D. Segev³, M. McAdams-DeMarco³, ¹*School of Nursing, Johns Hopkins University, Baltimore, MD*, ²*Department of Medicine, New York University, New York, NY*, ³*Department of Surgery, New York University, New York, NY*

4:50 PM - 5:00 PM

Safety and Efficacy of Kidney Transplantation from Donors with HIV to Recipients with HIV: Results of the Multicenter Hope in Action Study

C. Durand¹, S. Florman², T. Liang³, M. Rana², R. Friedman-Moraco⁴, A. Gilbert⁵, P. Stock⁶, S. Mehta⁷, S. A. Mehta⁸, V. Stosor⁹, M. Pereira¹⁰, M. Morris¹¹, J. Hand¹², J. Schaenman¹³, S. Aslam¹⁴, M. Malinis¹⁵, G. Haidar¹⁶, C. Small¹⁷, C. Santos¹⁸, J. Baddley¹⁹, E. Blumberg²⁰, D. Wojciechowski²¹, N. Elias²², S. Apewokin²³, D. Brown³, N. Desai³, J. Odum²⁴, A. Tobian³, A. Massie⁸, D. Segev⁸,

¹*Medicine, JHU, BALTIMORE, MD*, ²*Sinai, NYC, NY*, ³*JHU, Baltimore, MD*, ⁴*Emory, Atlanta, GA*, ⁵*Georgetown, Washington, DC*, ⁶*UCSF, San Francisco, CA*, ⁷*UAB, Birmingham, AL*, ⁸*NYU, NYC, NY*, ⁹*Northwestern, Chicago, IL*, ¹⁰*Columbia, NYC, NY*, ¹¹*Univ of Miami, Miami, FL*, ¹²*Ochsner, New Orleans, LA*, ¹³*UCLA, LA, CA*, ¹⁴*UCSD, San Diego, CA*, ¹⁵*Yale, New Haven, CT*, ¹⁶*UPMC, Pittsburgh, PA*, ¹⁷*Cornell, NYC, NY*, ¹⁸*Rush, Chicago, IL*, ¹⁹*UMD, Baltimore, MD*, ²⁰*UPenn, Philadelphia, PA*, ²¹*UTSW, Dallas, TX*, ²²*MGH, Boston, MA*, ²³*Univ of Chicago, Chicago, IL*, ²⁴*NIH, Bethesda, MD*

5:00 PM - 5:10 PM

Gender Dynamics Among South Asian Living Kidney Donors and Kidney Transplant Recipients

R. Kaur¹, K. Shick-Makaroff², J. Gill³, ¹*University of British Columbia, Vancouver, BC, Canada*, ²*University of Alberta, Edmonton, AB, Canada*, ³*Medicine, University of British Columbia, Vancouver, BC, Canada*

5:10 PM - 5:20 PM

It's Time to Measure GFR Before and After Living Kidney Donation

O. Aiyegbusi¹, D. Chang², L. McMichael¹, E. Hendren¹, S. Fakhredine¹, N. Ebert³, J. Gill¹, ¹*University of British Columbia, Vancouver, BC, Canada*, ²*Providence Health Research Institute, Vancouver, BC, Canada*, ³*Institute of Public Health, Charité Universitätsmedizin Berlin, Berlin, Germany*

5:20 PM - 5:30 PM

How do Social Determinants Affect the Relationship Between County-Level Ckd Burden and the Number of Kidney Candidates Ever-Waiting?

A. M. Zehner, T. Wilson, L. A. Cartwright, *Research Department, United Network for Organ Sharing, Richmond, VA*

Break

5:30 PM - 5:45 PM

ASTS Town Hall

5:45 PM - 7:30 PM

ASTS Town Hall

Monday, June 5, 2023

IMPACT Sessions

7:00 AM - 8:00 AM

Program Topic: Heart & Lung

Leveling the Field in Health Disparities in Thoracic Transplantation - Equality vs. Equity vs. Justice...

7:00 AM - 8:00 AM

Moderators:

Reginald Gohh, MD, The Warren Alpert Medical School of Brown University, Providence, RI, USA

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

7:00 AM - 7:15 AM

Disparities in Allocation of Advanced Heart Failure Therapies - Leaving No One Behind

Bhavadharini Ramu, MD, Medical University of South Carolina, Charleston, SC, USA

7:15 AM - 7:30 AM

Disparities in Lung Transplantation Outcomes - How Can we do Better?

Wayne Tsuang, MD, Cleveland Clinic Foundation, Cleveland, OH, USA

7:30 AM - 7:45 AM

Measuring Disparities in Practice: How can I be a Part of the Solution?

Alanna Morris, MD, MSc, Emory, Atlanta, GA, USA

7:45 AM - 8:00 AM

Q&A

Program Topic: Vascularized Composite Allograft

Uterus Transplantation: Where are We Now and How Did We Get There

7:00 AM - 8:00 AM

Moderators:

Kim Olthoff, MD, University of Pennsylvania, Philadelphia, PA, USA

Liza Johannesson, MD, PhD, Baylor University Medical

Center/Baylor Simmons Transplant Institute, Dallas, TX, USA

7:00 AM - 7:15 AM

Five Years of Uterus Transplantation in the US (How Did We Get From a Research Endeavor to a Clinical Option?)

Liza Johannesson, MD, PhD, Baylor University Medical Center/Baylor Simmons Transplant Institute, Dallas, TX, USA

7:15 AM - 7:30 AM

The Practical Ethics of Uterus Transplantation -- Cost, Utilization of Resources, Inherent Bias

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

7:30 AM - 7:45 AM

How Do You Start a Uterus Transplant Program: Logistics, Barriers and Pitfalls

Andreas Tzakis, MD, Cleveland Clinic Florida, Miami, FL, USA

7:45 AM - 8:00 AM

Q&A

Program Topic: Advanced Practice Provider

Palliative Care in Transplant, a Continuum of Care

7:00 AM - 8:00 AM

Moderators:

Marissa Anders, MSN, RN, APNP, AGNP-C, University of Wisconsin, Madison, WI, USA

Hazel Domingo, MMSc, Northwestern, Chicago, IL, USA

7:00 AM - 7:15 AM

Who is a Candidate for Palliative Care: Identifying Appropriate Transplant Patient Populations for Palliative Care

Karen Nissen-Boryczka, RN, BSN, MSHCE, Agrace, Fitchburg, WI, USA

7:15 AM - 7:30 AM

Having Difficult Conversations: how to Start the Palliative Care Conversation With Patients and Families

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

7:30 AM - 7:45 AM

How Palliative Care and Transplant can Coexist

Laura McVay, MSN, GNP-C, Cedars Sinai, Los Angeles,

CA, USA

7:45 AM - 8:00 AM
Q&A

Program Topic: Psychosocial and Ethics

Engaging Liver Transplant Recipients in Alcohol Treatment

7:00 AM - 8:00 AM

Moderators:

Alexandra Strauss, MD, PhD, MIE, Johns Hopkins University, Baltimore, MD, USA

Sheila Jowsey-Gregoire, MD, Mayo Clinic, Rochester, MN, USA

7:00 AM - 7:15 AM

The Impact of Tobacco, Alcohol, and Other Substance Use on Transplant Eligibility and Outcomes

Michael Lucey, MD, University of Wisconsin Hospital & Clinics, Madison, WI, USA

7:15 AM - 7:30 AM

Treatment Options for Alcohol Use Disorders Prior to and Following Liver Transplantation and Challenges Engaging Patients in Care

Jody Jones, PhD, University of Iowa Hospitals & Clinics, Iowa City, IA, USA

7:30 AM - 7:45 AM

Evolving Practices in Engaging Patients in Alcohol Treatment Following Liver Transplantation

Lisa Teh, PhD, Montefiore Medical Center, New York, NY, USA

7:45 AM - 8:00 AM

Q&A

Program Topic: Pharmacy

Teeing Up For Success: The Pharmacist Impact on Waitlist Management

7:00 AM - 8:00 AM

Moderators:

To Be Determined

Stacy Fredrick, PharmD, MBA, BCTXP, University of Rochester Medical Center, Rochester, NY, USA

7:00 AM - 7:15 AM

Leverage Your Resources! Tapping Into the EHR for Pre-Transplant Outcomes Monitoring

Mariesa Cote, PharmD, BCTXP, Massachusetts General Hospital, Boston, MA, USA

7:15 AM - 7:30 AM

Cruisin' For An Oozin': Avoiding Anticoagulation Anguish In The OR

Andrew Brown, PharmD, BCTXP, Virginia Commonwealth University Health, Richmond, VA, USA

7:30 AM - 7:45 AM

Don't Be A Pain! Planning Ahead For Surgical Pain

Management In Opioid-Tolerant Transplant Candidates
Alicia Lichvar, PharmD, MS, University of California San Diego Health, La Jolla, CA, USA

7:45 AM - 8:00 AM

Q&A

Program Topic: Kidney

Kidney Transplant in Elderly

7:00 AM - 8:00 AM

Moderators:

Girish Mour, MD, Mayo Clinic, Phoenix, AZ, USA

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

7:00 AM - 7:15 AM

Frailty...is There More Than One Kind?

Arpita Basu, MD, MPH, FASN, Emory Healthcare, Atlanta, GA, USA

7:15 AM - 7:30 AM

Challenges in Listing and Maintaining Waitlisted Elderly Patients

Joseph Kim, MD, PhD, MHS, MBA, FRCPC, University Health Network, Toronto, ON, Canada

7:30 AM - 7:45 AM

Redefining Success

Meera Harhay, MD, MSCE, Drexel University, Wynnewood, PA, USA

7:45 AM - 8:00 AM

Q&A

Program Topic: Liver

New Fields in Liver Transplant Oncology

7:00 AM - 8:00 AM

Moderators:

Majella Doyle, MD, MBA, Washington University in St. Louis, St. Louis, MO, USA

Kazunari Sasaki, MD, Stanford Medicine, Stanford, CA, USA

7:00 AM - 7:15 AM

Pre and Post Operative Management: Adjuvant Therapy and Immunosuppression

Kazunari Sasaki, MD, Stanford Medicine, Stanford, CA, USA

7:15 AM - 7:30 AM

How to Create a Multidisciplinary Transplant Oncology Program

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

7:30 AM - 7:45 AM

The Need for a National Registry of Liver Transplantation for Non-standard Oncological Indications

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

7:45 AM - 8:00 AM

Q&A

Program Topic: Infectious Disease

Hope for HIV to HIV Transplants

7:00 AM - 8:00 AM

Moderators:

Shirish Huprikar, MD, The Mount Sinai Hospital, New York, NY, USA

Meenakshi Rana, MD, Icahn School of Medicine at Mount Sinai, New York City, NY, USA

7:00 AM - 7:15 AM

Update on HIV to HIV Liver and Kidney Transplantation
Christine Durand, MD, Johns Hopkins University School of Medicine, Baltimore, MD, USA

7:15 AM - 7:30 AM

Update on HIV to HIV Thoracic Organ Transplantation

Vagish Hemmige, MD, MS, Montefiore Medical Center, Bronx, NY, USA

7:30 AM - 7:45 AM

The Future of HIV to HIV Transplantation: Living Donors and Regulatory Issues

Emily Blumberg, Hospital of the University of Pennsylvania, Philadelphia, PA, USA

7:45 AM - 8:00 AM

Q&A

Program Topic: Pediatric

Organ Allocation in Pediatric Transplantation - Joint Symposium of the International Pediatric Transplant Association (IPTA) and ATC

7:00 AM - 8:00 AM

Moderators:

Lars Pape, MD, University Hospital of Essen, Essen, Germany

Carlos Esquivel, MD, PhD, Stanford University Medical Center, Stanford, CA, USA

7:00 AM - 7:15 AM

Equity vs. Utility in Pediatric Organ Transplantation
Lainie Ross, MD, PhD, University of Rochester, Rochester, NY, USA

7:15 AM - 7:30 AM

Differences in Pediatric Prioritization Worldwide
Michael Freeman, MD, MA, (Bioethics), Penn State College of Medicine/Penn State Children's Hospital, Hershey, PA, USA

7:30 AM - 7:45 AM

The IPTA Position Statement Supporting Prioritizing Pediatric Recipients for Deceased Donor Allocation
Tom Blydt-Hansen, MDCM, BC Children's Hospital, Vancouver, BC, Canada

7:45 AM - 8:00 AM

Q&A

Program Topic: Kidney

Proceedings From the 3rd International PTDM
Consensus Meeting: Latest Guidelines, Updated
Recommendations and Future Directions

7:00 AM - 8:00 AM

Moderators:

Amanda Vinson, MD, Kidney Research Institute Nova
Scotia, Halifax, NS, Canada
Phuong-Thu Pham, MD, David Geffen School of Medicine,
Los Angeles, CA, USA

7:00 AM - 7:15 AM

PTDM Epidemiology: Updated Risks, Pathophysiology and
Outcome Data

Harini Chakkerla, MD, MPH, Mayo Clinic Arizona, Phoenix,
AZ, USA

7:15 AM - 7:30 AM

Future Direction for PTDM: Knowledge Gaps,
Controversies and Research in Progress

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

7:30 AM - 7:45 AM

Proposed Algorithm for Treatment Hierarchy for PTDM
Management Using Novel Anti-diabetic Agents
Aleksandra Kukla, MD, Mayo Clinic Rochester, Rochester,
MN, USA

7:45 AM - 8:00 AM

Q&A

Program Topic: Translational

Emerging 'Omic' and Machine Learning Techniques:
The Next Frontier in Transplant Research?

7:00 AM - 8:00 AM

Moderators:

James Gardner, MD, PhD, UCSF, San Francisco, CA, USA
Andrew Malone, MD, Washington University, St. Louis,
MO, USA

7:00 AM - 7:15 AM

Multi-Omic Assessment of Allograft Rejection in Kidney
Transplantation

E. Steve Woodle, MD, University of Cincinnati College of
Medicine, Cincinnati, OH, USA

7:15 AM - 7:30 AM

Defining the Rejectome Using Multi-omic Analysis and
Machine Learning Predictive Models in Liver
Transplantation

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

7:30 AM - 7:45 AM

Multi-Omic Assessment of Frailty in Liver Transplantation
Keri Lunsford, MD, PhD, FACS, Rutgers New Jersey
Medical School, Newark, NJ, USA

7:45 AM - 8:00 AM

Q&A

Program Topic: Basic Science

Complement System in Organ Transplantation

7:00 AM - 8:00 AM

Moderators:

Peter Heeger, MD, Cedars-Sinai Medical Center, Los
Angeles, CA, USA
Adriana Zeevi, PhD, University of Pittsburgh Medical
Center, Pittsburgh, PA, USA

7:00 AM - 7:15 AM

Complement Regulation in the Immune System and Organ
Transplantation

Peter Heeger, MD, Cedars-Sinai Medical Center, Los
Angeles, CA, USA

7:15 AM - 7:30 AM

Multiple Roles of Complement System in Transplantation
Dan Jane-wit, MD, PHD, Yale University School of
Medicine, New Haven, CT, USA

7:30 AM - 7:45 AM

A Novel Injury Site Directed Complement Inhibitor in Lung
Transplantation

Carl Atkinson, PhD, University of Florida, Gainesville, FL,
USA

7:45 AM - 8:00 AM

Q&A

Break

8:00 AM - 8:15 AM

Plenary Oral Abstract Session

8:15 AM - 9:15 AM

Program Topic: All Topics

Plenary Oral Abstract Session 2

8:15 AM - 9:15 AM

Moderators:

Ahmed Gaber, MD, FACS, Houston Methodist Hospital, Mobile, TX, USA

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

8:15 AM - 8:30 AM

Pd1+ T Cells Are Potential Mediators and/or Markers of Survival with Native Liver in Pediatric Acute Liver Failure
B. Rocque¹, J. Ascher Bartlett², T. Saputera³, S. Bangerth¹, A. Barbetta¹, B. Roper¹, C. Weaver², R. Kohli², J. Emamaullee¹, ¹*Surgery, University of Southern California Keck School of Medicine, Los Angeles, CA*, ²*Gastroenterology, Hepatology and Nutrition, Children's Hospital Los Angeles, Los Angeles, CA*, ³*University of Southern California, Los Angeles, CA*

8:30 AM - 8:45 AM

Graft-Derived Interleukin-33 Drives Recipient T Lymphocyte Recovery After Antibody-Mediated Lymphoablation

Y. Yamamoto, R. Fan, M. Nicosia, V. Gorbacheva, A. Beavers, R. Fairchild, A. Valujskikh, *Inflammation and Immunity, Lerner Research Institute, Cleveland Clinic, Cleveland, OH*

8:45 AM - 9:00 AM

Renal Failure and Mortality After Heart Alone Transplant in Recipients with Egfr<40ml/min or on Dialysis in the United States

R. Attieh¹, M. Aljuhani², H. Wadei³, S. Jackson², R. El-Rifai⁴, V. Humphreys⁵, T. Alexy⁶, S. M. Riad⁷, ¹*Transplant, Mayo Clinic, Jacksonville, FL*, ²*University of Minnesota, Minneapolis, MN*, ³*Mayo Clinic, Jacksonville, FL*, ⁴*University of Minnesota, Minneapolis, MN*, ⁵*Surgery, University of Minnesota, Minneapolis, MN*, ⁶*Medicine, University of Minnesota, Minneapolis, MN*, ⁷*Medicine, Mayo Clinic Rochester, Rochester, MN*

9:00 AM - 9:15 AM

MTHFD2 Ablation in T Cells Protects Against Heart Transplant Rejection by Perturbing IRF4 Expression Through an Epigenetic Mechanism Involving Histone Methylation

Y. Li¹, J. Wu², ¹*Department of Cardiovascular Surgery, Union Hospital, Tongji Medical College, Huazhong University of Science and Technology, Wuhan, China*, ²*Department of Cardiovascular Surgery, Union Hospital, Tongji Medical College, Wuhan, China*

Sponsor Networking

9:15 AM - 9:55 AM

Program Topic: All Topics

Sponsor Networking

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

Product Theater

9:15 AM - 9:45 AM

Program Topic: All Topics

Product Theater: Improving Access in Transplant Sponsored by DaVita

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

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

Poster Session C

9:15 AM - 9:55 AM

Program Topic: All Topics

Poster Session C Presenters in Attendance

- **Basic Science:** Ischemia Reperfusion

- **Basic Science:** Machine Perfusion and Organ Rehabilitation - Basic
- **Basic Science:** Signaling and Metabolism
- **Basic Science:** Tissue Engineering, Cellular, and Regenerative Medicine
- **Public Policy and Regulatory Issues:** Non-Organ Specific: Public Policy & Allocation
- **Psychosocial & Ethics:** Non-Organ Specific: Equity and Ethics
- **Infectious Disease:** Other Infection Including Heart and Lung
- **Infectious Disease:** PTLD
- **Pharmacy:** Non-Organ Specific: Clinical Pharmacy/Transplant Pharmacotherapy
- **Kidney:** Kidney Living Donor: Other
- **Kidney:** Kidney: Biomarkers
- **Kidney:** Kidney: Cardiovascular and Metabolic Complications
- **Liver:** Immunosuppression and Rejection
- **Liver:** Expanding the Donor Pool (Liver: MELD Allocation / Donor Issues)
- **Liver:** MELD Allocation
- **Liver:** Non HCC Hepatic Malignancies
- **Liver:** Pediatrics
- **Lung:** All Topics
- **Pancreas:** Pancreas and Islet: All Topics
- **Organ Inclusive:** Non-Organ Specific: Organ Preservation/Ischemia Reperfusion Injury

ASTS Presidential Addresses

9:55 AM - 10:25 AM

ASTS Presidential Introduction & Address

9:55 AM - 10:05 AM

Introduction

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

10:05 AM - 10:25 AM

ASTS Presidential Introduction & Address

William Chapman, MD, FACS, Washington University School of Medicine, St. Louis, MO, USA

ASTS Pioneer Award

10:25 AM - 10:50 AM

Program Topic: All Topics

ASTS Pioneer Award

ASTS Pioneer Award

Kim Olthoff, MD, University of Pennsylvania, Philadelphia, PA, USA

10:25 AM - 10:50 AM

ASTS Pioneer Award

Break

10:50 AM - 11:00 AM

Innovations in Transplantation

11:00 AM - 11:55 AM

Program Topic: All Topics

Innovations in Transplantation: ABO Incompatible Organ Transplantation

11:00 AM - 11:55 AM

Moderators:

Linda Sher, MD, USC, Los Angeles, CA, USA

Andrew Adams, MD, PhD, University of Minnesota Medical Center Fairview, Minneapolis, MN, USA

11:00 AM - 11:15 AM

Deliberate Crossing of Blood Group Compatibility

Young-in Yoon, Asan Medical Center, Seoul, Korea, Republic of

11:15 AM - 11:30 AM

Universal Blood Type: Lungs

Aizhou Wang, University Health Network, Toronto, ON, Canada

11:30 AM - 11:45 AM

Blood Group Conversions: Donor Kidneys

Peter Rahfeld, University of British Columbia, Vancouver, BC, Canada

11:45 AM - 11:55 AM

Panel Discussion

Break

11:55 AM - 12:15 PM

Sponsored Satellite Symposia

12:15 PM - 1:15 PM

Program Topic: All Topics

The New Gold Standard: Artificial Intelligence and Molecular Diagnostics Supported by CareDx

National OCS Program (NOP) – Transforming the Standard of Care Supported by TransMedics

Stronger for Longer: Managing Chronic Active ABMR in Renal Allograft Recipients Supported by an independent educational Grant from CSL Behring

Symposia will take place at the Manchester Grand Hyatt Hotel. These symposia 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.

Meet the Expert Sessions

12:15 PM - 1:15 PM

Program Topic: Other

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

12:15 PM - 1:15 PM

Moderators:

Manpreet Samra, MD, MBA, Edward Hines Jr. VA Hospital, Hines, IL, USA

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

12:15 PM - 12:30 PM

How to Get Published in AJT

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

12:30 PM - 12:45 PM

What do the Editors Look For?

Ron Shapiro, MD, Mount Sinai Medical Center, New York, NY, USA

12:45 PM - 1:15 PM

Q&A

Program Topic: Pediatric

Ethical Issues in Pediatric Organ Transplantation: Which Kids are “Too Sick” for Solid Organ Transplant?

12:15 PM - 1:15 PM

Moderators:

Amy Bobrowski, MD, Cleveland Clinic Children's, Cleveland, OH, USA

Evelyn Hsu, MD, Seattle Children's Hospital, Seattle, WA, USA

12:15 PM - 12:30 PM

“Medically Complex” Pediatric Patients with Organ Failure: Ethical Framework for Determining Eligibility
Aviva Goldberg, MD, MA, University of Manitoba, Winnipeg, MB, Canada

12:30 PM - 12:45 PM

Outcomes of Transplant in the Medically Complex: What do we Know, and What is Relevant?

George Mazariegos, MD, Children's Hospital of Pittsburgh, Pittsburgh, PA, USA

12:45 PM - 1:15 PM

Q&A

Program Topic: Advanced Practice Provider

DCD Basics for APPs

12:15 PM - 1:15 PM

Moderators:

Georgeine Smith, Hospital of the University of Pennsylvania, Philadelphia, PA, USA

Kristopher Croome, MD, Mayo Clinic Jacksonville, Jacksonville, FL, USA

12:15 PM - 1:15 PM

DCD Basics for APPs

JoLynn Shinsako, MS, PA-C, University of Colorado School of Medicine, Aurora, CO, USA

12:15 PM - 1:15 PM

DCD Basics for APPs

Elizabeth Stearns, MS, PA-C, MBA, Mayo Clinic Arizona, Phoenix, AZ, USA

Program Topic: Infectious Disease

Show Me The Money: Strategies for Funding Transplant ID Programs and Fellowships at Your Hospital

12:15 PM - 1:15 PM

Moderators:

Joanna Schaeenman, MD, PhD, David Geffen School of Medicine at UCLA, Los Angeles, CA, USA
Ajit Limaye, MD, University of Washington, Seattle, WA, USA

12:15 PM - 12:30 PM

Securing Support for Transplant ID Fellowship Programs
Aruna Subramanian, MD, Stanford University, Stanford, CA, USA

12:30 PM - 12:45 PM

Finessing the Funds Flow for Transplant ID
Jay Fishman, MD, Massachusetts General Hospital - Harvard Medical School, Boston, MA, USA

12:45 PM - 1:15 PM

Q&A

Program Topic: Kidney

The Time Is Now: Removing Disincentives to Living Donation

12:15 PM - 1:15 PM

Moderators:

Ken Sutha, MD, PhD, Stanford University School of Medicine, Palo Alto, CA, USA
Michael Mittelman, MBA, American Living Organ Donor Fund, Philadelphia, PA, USA

12:15 PM - 12:30 PM

Roadblocks to Living Donation: Discussion of Existing Disincentives

Ellen Shukhman, RN-BC, BSN, CCTC, Cedars-Sinai, Los Angeles, CA, USA

12:30 PM - 12:45 PM

Actionable Items for Removing Disincentives to Living Donation

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

12:45 PM - 1:00 PM

Donor Mentor Programs

Alexis Carter, MPH, The University of Alabama at Birmingham, Birmingham, AL, USA

1:00 PM - 1:15 PM

Q&A

Break

1:15 PM - 1:30 PM

IMPACT Sessions

1:30 PM - 2:30 PM

Program Topic: Basic Science

Engineered Regulatory Cells in Transplantation

1:30 PM - 2:30 PM

Moderators:

William Kitchens, MD, PhD, Emory Transplant Center, Atlanta, GA, USA
Jonathan Bromberg, MD, PhD, University of Maryland School of Medicine, Baltimore, MD, USA

1:30 PM - 1:45 PM

Regulatory T Cells Engineered with TCR Signaling-responsive IL-2 Nanogels Suppress Alloimmunity
Jamil Azzi, MD, Harvard Medical School, Boston, MA, USA

1:45 PM - 2:00 PM

Regulatory T Cell Homeostasis

Nikolaos Skartsis, MD, PhD, Mayo Clinic College of Medicine & Science, Rochester, MN, USA

2:00 PM - 2:15 PM

Suppression of Allograft Rejection by Regulatory B Cells Generated via Toll-like Receptor Signaling
James Markmann, MD, PhD, Massachusetts General Hospital, Boston, MA, USA

2:15 PM - 2:30 PM

Q&A

Program Topic: Liver

Facilitating the Growth of DCD Liver Transplant

1:30 PM - 2:30 PM

Moderators:

David Foley, MD, FACS, FAST, FAASLD, University of Wisconsin School of Medicine and Public Health, Madison, WI, USA

Seth Karp, MD, Vanderbilt University Medical Center, Nashville, TN, USA

1:30 PM - 1:45 PM

Why Should We Pursue DCD Liver Transplant? How Do You Get “Buy-in” From the Surgeons, the Hepatologists and the Patients?

Emily Bugeaud, MD, PhD, Ochsner Health System, New Orleans, LA, USA

1:45 PM - 2:00 PM

OPOs role in DCD Procurement

Giuliano Testa, MD, MBA, FACS, Baylor Simmons Transplant institute, Dallas, TX, USA

2:00 PM - 2:15 PM

Improving Program Efficiency By Removing Logistic Barriers and Lowering Costs for DCD Livers

Eric Martinez, MD, Simmons Transplant Institute- Baylor Univ. Medical Center-Dallas, Dallas, TX, USA

2:15 PM - 2:30 PM

Q&A

Program Topic: Translational

Applied Machine Learning in Immunogenetics and Transplant Outcomes

1:30 PM - 2:30 PM

Moderators:

Ajay Israni, MD, MS, University of Minnesota Medical School, Minneapolis, MN, USA

Malek Kamoun, MD, PhD, Hospital of the University of Pennsylvania, Philadelphia, PA, USA

1:30 PM - 1:45 PM

Best Practices in Applying Machine Learning in Human Immunogenetics and Complex Immunogenomic Data Mining

Ryan Urbanowicz, PhD, Cedars-Sinai, Los Angeles, CA, USA

1:45 PM - 2:00 PM

HLA Amino Acid Mismatch-Based Risk Stratification of Kidney Graft Failure Using a Novel Machine Learning Approach

Loren Gragert, PhD, Tulane University School of Medicine, New Orleans, LA, USA

2:00 PM - 2:15 PM

Predicting Transplant Outcome with Machine Learning

Eileen Hsich, Cleveland Clinic, Cleveland, OH, USA

2:15 PM - 2:30 PM

Q&A

Program Topic: Kidney

Let Food be Thy Medicine - Nutrition In Kidney Transplantation

1:30 PM - 2:30 PM

Moderators:

Song Ong, MD, University of Alabama at Birmingham, Birmingham, AL, AL, USA

Brian Lee, MBBCh, UT Austin, Austin, TX, USA

1:30 PM - 1:45 PM

Eating to Live: Nutrition in CKD

Kamyar Kalantar-Zadeh, MD, MPH, PhD, University of California, Torrance, CA, USA

1:45 PM - 2:00 PM

The Meat of the Matter - Translating Nutritional Science into Practice

Meredith Skulski, MS, RD, CCTD, Dell Seton Medical Center- UT Austin, Austin, TX, USA

2:00 PM - 2:15 PM

Pound for Pound - Transplant Bariatrics and Weight Loss Management Pre and Post Transplant

Babak Orandi, MD, PhD, MSc, University of Alabama at Birmingham, AL, USA

2:15 PM - 2:30 PM

Q&A

Program Topic: Infectious Disease

The Challenge of Climate Change and its Impact on Transplant Infections

1:30 PM - 2:30 PM

Moderators:

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

Robin Avery, MD, Johns Hopkins, Baltimore, MD, USA

1:30 PM - 1:45 PM

Santa Ana Winds, Valley Fever, and Beyond!

Ilan Schwartz, MD, PhD, Duke University School of Medicine, Durham, NC, USA

1:45 PM - 2:00 PM

The Plague is Coming! Changing Patterns of Vector-borne Illness in Transplantation

Michele Morris, MD, FIDSA, FACT, University of Miami Miller School of Medicine, Miami, FL, USA

2:00 PM - 2:15 PM

Seasons Change - Is Viral Seasonality Changing, Too?

Marian Michaels, MD, MPH, UPMC Children's Hospital of Pittsburgh, Pittsburgh, PA, USA

2:15 PM - 2:30 PM

Q&A

Program Topic: Pharmacy & Advanced Practice Provider

Best Practices for Patient Education: Bridging the Equity Gap and Leveraging Technology

1:30 PM - 2:30 PM

Moderators:

Demetra Tsapepas, PharmD, MBA, Columbia University/New York-Presbyterian Hospital, New York, NY, USA

Jeong Park, PharmD MS BCPS FCCP FAST, University of Michigan, Ann Arbor, MI, USA

1:30 PM - 1:45 PM

Organizational Health Literacy in Solid Organ Transplant

Patient Education

Sabrina Ortega, PA-C, New Presbyterian Hospital, New York, NY, USA

1:45 PM - 2:00 PM

Patient-Centered Education Using Video and Digital Platform

Holly Mansell, PharmD, University of Saskatchewan, Saskatoon, SK, Canada

2:00 PM - 2:15 PM

Technology-Supported Patient-Friendly Medication Schedule and Adherence Tools

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

2:15 PM - 2:30 PM

Q&A

Program Topic: Liver

From Identification to Action: Developing Interventions to Narrow Racial and Socioeconomic Disparities in Liver Transplantation

1:30 PM - 2:30 PM

Moderators:

Sharad Wadhvani, MD, MPH, University of California San Francisco, San Francisco, CA, USA

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

1:30 PM - 1:45 PM

Centering the Needs of Transplant Stakeholders in Health Equity Work

Sharad Wadhvani, MD, MPH, University of California San Francisco, San Francisco, CA, USA

1:45 PM - 2:00 PM

Policy Changes to Prioritize Equity

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

2:00 PM - 2:15 PM

The Road to Equity: Developing Health System Interventions to Narrow Disparities in Solid Organ Transplantation

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

2:15 PM - 2:30 PM

Q&A

Program Topic: Basic Science

Approaches for Biomaterial-Based
Immunosuppression Systems

1:30 PM - 2:30 PM

Moderators:

Reza Abdi, MD, Brigham and Women's Hospital, Boston,
MA, USA

Xunrong Luo, MD, PhD, Duke University, Durham, NC,
USA

1:30 PM - 1:45 PM

Targeted Delivery of Immunosuppressive Agents to the
Graft Endothelium for the Prevention of Rejection in Lung
Transplantation

Carl Atkinson, PhD, University of Florida, Gainesville, FL,
USA

1:45 PM - 2:00 PM

Multiphase Assembly of Small Molecule Microcrystalline
Peptide Hydrogel Allows Immunomodulatory Combination
Therapy for Long-Term Heart Transplant Survival

Joel Schneider, PhD, National Cancer Institute, Frederick,
MD, USA

2:00 PM - 2:15 PM

Subcutaneous Nanoparticle Delivery of Rapamycin to
Antigen Presenting Cells

Jacqueline Burke, PhD, N/A, Chicago, IL, USA

2:15 PM - 2:30 PM

Q&A

Program Topic: Other

Manufacturing Organs From Patient's Own Cells:
Where are We and What it Will Take to Get Where We
Want

1:30 PM - 2:30 PM

Moderators:

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

Kim Solez, MD, University of Alberta, Edmonton, AB,
Canada

1:30 PM - 1:45 PM

Bioengineering Hearts for Transplant Purposes

John Cleveland, MD, Children's Hospital Los Angeles, Los
Angeles, CA, USA

1:45 PM - 2:00 PM

Beta Cells Replacement via Stem Cell Engineering

Jon Odorico, MD, University of Wisconsin Hospital and
Clinics, Madison, WI, USA

2:00 PM - 2:15 PM

Bioengineering Livers for Transplant Purposes

Bhanu Telugu, D.V.M., Ph.D, RenOVate Biosciences Inc,
Reisterstown, MD, USA

2:15 PM - 2:30 PM

Kidney Bioengineering, Regeneration, and Repair

Ashwani Gupta, PhD, University of Arizona, Tucson, AZ,
USA

Program Topic: Psychosocial and Ethics

Late Breaking IMPACT: Perspectives on Donor
Research – Victories and Failures, Obstacles and
Opportunities: The Imperative for Continued
Progress

1:30 PM - 2:30 PM

Moderators:

Michael Kueht, MD, University of Texas Medical Branch,
Galveston, TX, USA

Ali Zarrinpar, MD, PhD, University of California Los
Angeles, Gainesville, FL, USA

1:30 PM - 1:45 PM

Prima Facie: The Role of OPO-Transplant Center-Donor

Hospital Partnerships in Maximizing Opportunities in
Donor Intervention Research and Maintaining Public Trust
Heidi Wagenhauser, BS, Southwest Transplant Alliance,
Dallas, TX, USA

1:45 PM - 2:00 PM

Justice and Autonomy: Implications and Strategies for
Informed Consent for Donor Intervention Research in the
Current Organ Allocation System

Julia Gorey, OHRP, Rockville, MD, USA

2:00 PM - 2:15 PM

Beneficence and Nonmaleficence: Establishing a

Scientific Base for Improving Recipient Outcomes through

Donor intervention Research and Navigating the Current Regulatory Landscape

Claus Niemann, Professor Emeritus, University of California San Francisco, San Francisco, CA, USA

2:15 PM - 2:30 PM
Q&A

Program Topic: Professional Development

Creating a Sustainable Transplant Workforce: Moving Beyond the Individual to Redesigning the System

1:30 PM - 2:30 PM

Moderators:

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

Lisa Teh, PhD, Montefiore Medical Center, New York, NY, USA

1:30 PM - 1:45 PM

Creating Supportive Professional Cultures: Strategies for Effective Leadership

Marwan Abouljoud, MD, Henry Ford Hospital, Detroit, MI, USA

1:45 PM - 2:00 PM

Work System Redesign in the Real World: Center-Level Initiatives to Create Sustainable Workflows

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

2:00 PM - 2:15 PM

Policy, Advocacy, and Payers: A Paradigm Shift to Include Clinician Outcomes

Luke Preczewski, BS, Jackson Health System, Miami, FL, USA

2:15 PM - 2:30 PM

Q&A

Program Topic: Other

Artificial Intelligence and Data Driven Decision Making in Transplantation

1:30 PM - 2:30 PM

Moderators:

Erika Helgeson, PhD, University of Minnesota,

Minneapolis, MN, USA

David Vock, PhD, University of Minnesota, Minneapolis, MN, USA

1:30 PM - 1:45 PM

Artificial Intelligence for Classification in Transplantation
Alexandre Loupy, MD, PhD, Paris Transplant Group, Paris, France

1:45 PM - 2:00 PM

Development, Validation, and Application of Decision Aids in Transplantation

Allan Massie, PhD, NYU Langone Health, New York, NY, USA

2:00 PM - 2:15 PM

Strengths and Weakness of Machine Learning in Clinical Transplantation

Mamatha Bhat, MD, PhD, University Health Network, Toronto, ON, Canada

2:15 PM - 2:30 PM

Q&A

Sponsor Networking

2:30 PM - 3:00 PM

Program Topic: All Topics

Sponsor Networking

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Poster Session C

2:30 PM - 3:00 PM

Program Topic: All Topics

Poster Session C Presenters in Attendance

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- **Basic Science:** Signaling and Metabolism

- **Basic Science:** Tissue Engineering, Cellular, and Regenerative Medicine
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- **Liver:** MELD Allocation
- **Liver:** Non HCC Hepatic Malignancies
- **Liver:** Pediatrics
- **Lung:** All Topics
- **Pancreas:** Pancreas and Islet: All Topics
- **Organ Inclusive:** Non-Organ Specific: Organ Preservation/Ischemia Reperfusion Injury

Poster Chat Session 2

2:30 PM - 3:00 PM

Program Topic: Kidney

Kidney

2:30 PM - 3:00 PM

Moderator:

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

2:30 PM - 2:40 PM

Impact of Transversus Abdominus Plane Nerve Block During Kidney Transplantation on Patient Post-Operative Opioid Usage: A Prospective, Randomized, Double-Blinded Study

W. Jevnikar, M. Gross, H. Kerr, V. Krishnamurthi, A. Wee, M. Spinner, M. Eltemamy, Y. Lin, *Cleveland Clinic Foundation, Cleveland, OH*

2:40 PM - 2:50 PM

Single-Port Robot-Assisted Kidney Transplantation: Learning Curve from a Single Institution Experience
P. D. Michael, J. Chavali, R. Ramos, E. Ferguson, A. Wee, Y. Lin, J. Kaouk, M. Eltemamy, *Cleveland Clinic, Cleveland, OH*

2:50 PM - 3:00 PM

Combination of Blood Gene Expression (AlloMap) and Donor Derived Cell Free DNA (AlloSure) to Diagnose Allograft Rejection in Kidney Transplant Recipients
R. Dandamudi¹, N. Sulejmani², L. Walther³, J. Lujain¹, M. Agarwal³, C. Goss³, H. xu⁴, V. Dharnidharka⁵, ¹Washington University School of Medicine, St. Louis, MO, ²CareDx, Sterling Heights, MI, ³Washington University School of Medicine, St. Louis, MO, ⁴CareDx, Brisbane, CA, ⁵Washington University School of Medicine, Saint Louis, MO

Program Topic: Basic Science & Infectious Disease

Basic Science and Infectious Disease

2:30 PM - 3:00 PM

Moderator:

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

2:30 PM - 2:40 PM

A Novel Il-2 Mutein Induces Regulatory T Cell-Rich Microenvironment and Leads to Alloantigen-Specific Graft Acceptance

Y. Ganchiku¹, T. Borges¹, R. B. Gassen¹, O. Efe¹, Z. Shriver², G. J. Babcock², L. Riella¹, ¹Massachusetts General Hospital, Boston, MA, ²Visterra Inc., Waltham, MA

2:40 PM - 2:50 PM

R for HLA Data: A Suite of Tools for Managing and Analyzing Data from Clinical HLA Laboratory Information Systems

N. K. Brown¹, E. G. Peyster¹, T. Bui², ¹University of Pennsylvania, Philadelphia, PA, ²Hospital of the University of Pennsylvania, Philadelphia, PA

2:50 PM - 3:00 PM

When You Need to Dive in the Deep End - Transplanting SARS-COV-2 PCR+ Recipients

S. Zavala Monzon¹, J. G. Aaron², B. A. Miko², A. N. Fox², M. Bergelson², A. DeVore¹, M. Segovia¹, C. R. Wolfe¹, M. R. Pereira², ¹Duke University Medical Center, Durham, NC, ²Columbia University, New York, NY

Focus in Transplantation

3:00 PM - 5:30 PM

Program Topic: Translational

Utilizing AI and Deep Based Learning Approaches in Transplantation

3:00 PM - 5:30 PM

Moderators:

Evan Farkash, MD, PhD, University of Michigan Health System, Ann Arbor, MI, USA

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

3:00 PM - 3:20 PM

Deep Learning Applications in Solid Organ Transplantation and Related Complications

Sook Park, MD, MSCI, Northwestern University, Chicago, IL, USA

3:20 PM - 3:40 PM

AI in Pathology: What Can Go Right... Or Wrong?

Richard Levenson, MD, University of California Davis, Sacramento, CA, USA

3:40 PM - 4:00 PM

Application of Deep Learning in Liver Transplant Histology

Mamatha Bhat, MD, MSc, FRCPC, UHN, Toronto, ON, Canada

4:00 PM - 4:10 PM

Q&A

4:10 PM - 4:20 PM

Break

4:20 PM - 4:40 PM

Mass Spectrometry, Metabolomics, and Big Data in Kidney Health and Disease

Kumar Sharma, The University of Texas Health Science Center at San Antonio, San Antonio, TX, USA

4:40 PM - 5:00 PM

Spatial Resolution of Expression Analysis in Kidney Transplant Biopsies

Paolo Cravedi, MD, Mount Sinai, New York, NY, USA

5:00 PM - 5:20 PM

Improving Prediction of Heart Transplantation Outcome Using Deep Learning Techniques

Faisal Mahmood, Harvard University, Boston, MA, USA

5:20 PM - 5:30 PM

Q&A

Rapid Fire Oral Abstract Sessions

3:00 PM - 4:20 PM

Program Topic: Kidney

Kidney Immunosuppression: Novel Regimens and Drug Minimization

3:00 PM - 4:20 PM

Moderators:

Stephan Busque, MD, FRCSC, Stanford University School of Medicine, Palo Alto, CA, USA

Angelo de Mattos, MD, MPH, Oregon Health & Science University, Portland, OR, USA

3:00 PM - 3:10 PM

Addition of a Single Low Dose of Total Body Irradiation (tbi) to a Total Lymphoid Irradiation (tli) and Anti-Thymocyte Globulin (atg) Conditioning Regimen Improves Mixed Hematopoietic Engraftment in a Tolerance Induction Protocol After Hla-Haplo-Matched (hbm) Living Donor Kidney Transplantation

S. Busque, J. Scandling, R. Lowsky, T. Pham, R. Hoppe, K. Jensen, A. Shori, G. Kuo, H. Wu, R. Gilfanova, E. Meyer, S. Strober, *Stanford University School of Medicine, Stanford, CA*

3:10 PM - 3:20 PM

Evaluation of Extended Release and Immediate Release Tacrolimus with Early Steroid Withdrawal in Kidney Transplants Utilizing Novel Endpoints

R. Alloway¹, A. Shields¹, S. Tremblay², R. Tanka³, T. Minuzo³, A. Vinks³, A. Christianson¹, M. Cuffy¹, S. Bumb¹, J. Kremer⁴, E. Woodle¹, ¹*University of Cincinnati, Cincinnati, OH*, ²*Veloxis Pharmaceuticals, Cary, NC*, ³*Cincinnati Childrens Medical Center, Cincinnati, OH*, ⁴*The Christ Hospital, Cincinnati, OH*

3:20 PM - 3:30 PM

Five Years Results of De Novo Kidney Transplant Recipients Treated with the Combination of Low Dose Tacrolimus and Everolimus: A Prospective Randomized

Clinical Trial

P. Silvestri¹, G. Spagnoletti², M. Salerno¹, E. Favi³, N. Zanoni¹, F. Citterio¹, ¹Renal Transplantation, Università Cattolica Sacro Cuore, Roma, Italy, ²Surgery - Renal Transplant Unit, Fondazione Policlinico Universitario A. Gemelli, Roma - IRCCS, Rome, Italy, ³Renal Transplantation, Fondazione IRCCS Ca Granda, Ospedale Maggiore Milano, Milano, Italy

3:30 PM - 3:40 PM

Assessing the Safety & Efficacy of Renal Artery Infusions of C1 Esterase Inhibitor (c1inh) in Kidney Transplant Recipients at Risk for Iri/Dgf

N. Ammerman, A. Vo, E. Huang, I. Kim, J. Hou, K. Hernando, N. Badash, R. Najjar, A. Peng, T. Todo, T. Brennan, B. Shin, S. Kumar, K. Lim, M. Gillespie, V. Bui, S. C. Jordan, *Comprehensive Transplant Center, Cedars-Sinai Medical Center, Los Angeles, CA*

3:40 PM - 3:50 PM

Cytomegalovirus Infection In Renal Transplant Recipients Converted To Belatacept Following Alemtuzumab Induction

J. J. Mikolay Jr.¹, E. Hatch¹, M. Churchwell², P. Sindhvani¹, O. Ekwenna¹, D. Malhotra², S. Ratnam², D. Kaw¹, M. Rees¹, N. Nadiminty², J. Rabets¹, K. Yadav¹, ¹University of Toledo Medical Center, Toledo, OH, ²University of Toledo, Toledo, OH

3:50 PM - 4:00 PM

Conversion of Belatacept Dosing to Two Monthly Interval in Kidney Transplant Patients Deemed at High Risk of Infections: A Single-Center Study

J. Christensen, R. Thompson, L. Kamal, R. Winstead, G. Gupta, *VCUHealth, Richmond, VA*

4:00 PM - 4:10 PM

Registry-Based External Controls for Benefit Study - Demonstration of RWE for Long-Term Survival Comparisons

A. Klein¹, A. Toll², D. Stewart³, W. E. Fitzsimmons¹, ¹Critical Path Institute, Tucson, AZ, ²Research, United Network for Organ Sharing, Silverdale, WA, ³Department of Surgery, NYU Langone Health, New York, NY

4:10 PM - 4:20 PM

Multimodality Induction with Eculizumab and Obinutuzumab in Highly Sensitized Deceased Donor Kidney Transplant Recipients: A Pilot Study

E. Favi¹, M. Perego¹, G. Germiniasi¹, C. Alfieri², G. Castellano², M. Ferrareso¹, ¹General Surgery and Kidney Transplantation, Fondazione IRCCS Ca' Granda Ospedale

Maggiore Policlinico, Milan, Italy, ²Nephrology, Fondazione IRCCS Ca' Granda Ospedale Maggiore Policlinico, Milan, Italy

Program Topic: Heart

Heart Transplant Donor and Allocation Management

3:00 PM - 4:20 PM

Moderators:

Geetha Bhat, MD, PhD, The Christ Hospital, Cincinnati, OH, USA

Jignesh Patel, MD, PhD, Cedars-Sinai Heart Institute, Beverly Hills, CA, USA

3:00 PM - 3:10 PM

Is it Time to Extend Donor Ischemic Time Beyond 4 Hours in Heart Transplant?

H. Farhoud¹, T. Dalia¹, J. Mancuso¹, K. Takeda², D. Meyer³, D. D'Alessandro⁴, Z. Shah¹, S. Silvestry⁵, P. Downey¹, M. Danter¹, A. Vidic¹, ¹University of Kansas Medical Center, Kansas City, KS, ²Surgery, Columbia University, New York, NY, ³Cardiac and Thoracic Surgery at Baylor University Medical Center Dallas, Dallas, TX, ⁴Massachusetts General Hospital, Boston, MA, ⁵AdventHealth Transplant Institute, Orlando, FL

3:10 PM - 3:20 PM

Utilization of Heart Machine Perfusion for Donation After Cardiac Death Transplantation Does Not Compromise Liver Transplant Outcomes

K. Okumura, R. Misawa, A. Dhand, S. Ohira, H. Sogawa, G. Veillette, S. Nishida, *Surgery, Westchester Medical Center / New York Medical College, Valhalla, NY*

3:20 PM - 3:30 PM

Clinical Application and Outcomes with Use of the Heart Organ Care System

J. Stehlik¹, C. Milano², S. Pinney³, C. Patel⁴, D. D'Alessandro⁵, R. P. Davis⁶, C. Maulion⁶, D. Goldstein⁷, U. Jorde⁷, J. Pal⁸, M. Daneshmand⁹, F. Esmailian¹⁰, J. A. Kobashigawa¹¹, S. Pham¹², P. Patel¹², K. Takeda¹³, N. Uriel¹³, A. S. Shah¹⁴, M. Kai¹⁵, G. Couper¹⁶, A. Vest¹⁶, B. Sun¹⁷, L. Lozonschi¹⁸, M. Ono¹⁹, L. Klein²⁰, D. T. Pham²¹, D. Joyce²², H. Mallidi²³, M. R. Mehra²³, M. Farr²⁴, ¹University of Utah School Of Medicine, Salt Lake City, UT, ²Duke University, Durham, NC, ³University of Chicago, Chicago, IL, ⁴Duke University Med Ctr, Durham, NC, ⁵Massachusetts General Hospital, Boston, MA, ⁶Yale New Haven Hospital, New Haven, CT, ⁷Montefiore Medical Center, Bronx, NY, ⁸University of Washington Medical Center, Seattle, WA,

⁹Emory University Hospital, Atlanta, GA, ¹⁰Cedars-Sinai Medical Center, Los Angeles, CA, ¹¹Cedars-Sinai Smidt Heart Institute, Los Angeles, CA, ¹²Mayo Clinic Florida, Jacksonville, FL, ¹³New York Presbyterian Hospital, New York, NY, ¹⁴Vanderbilt University Medical Center, Mount Juliet, TN, ¹⁵Westchester Medical Center, Valhalla, NY, ¹⁶Tufts Medical Center, Boston, MA, ¹⁷Minneapolis Heart Institute, Minneapolis, MN, ¹⁸Tampa General Hospital, Tampa, FL, ¹⁹Methodist Specialty and Transplant Hospital, San Antonio, TX, ²⁰University of California San Francisco Medical Center, San Francisco, CA, ²¹Northwestern Memorial Hospital, Chicago, IL, ²²Froedtert Memorial Lutheran Hospital, Milwaukee, WI, ²³Brigham and Womens Hospital, Boston, MA, ²⁴University of Texas Southwestern, Dallas, TX

3:30 PM - 3:40 PM

Waiting List Mortality Under the New Adult Heart System Suggests Potential Status Changes

K. Lindblad¹, E. Schnellinger¹, R. Daly², J. Mentee³, S. Hall⁴, ¹UNOS, Richmond, VA, ²Mayo Clinic, Rochester, MN, ³Children's Hospital Los Angeles, Los Angeles, CA, ⁴Baylor University Medical Center, Dallas, TX

3:40 PM - 3:50 PM

Impact of Removing OPTN Region from Heart Transplant Allocation

A. Martinez¹, K. Lindblad², E. Schnellinger¹, K. Bradbrook³, R. Daly⁴, S. Hall⁵, J. Mentee⁶, ¹United Network for Organ Sharing, Richmond, VA, ²UNOS, Richmond, VA, ³Research, United Network for Organ Sharing, Richmond, VA, ⁴Mayo Clinic, Rochester, MN, ⁵Baylor University Medical Center, Dallas, TX, ⁶University of Southern California, Los Angeles, CA

3:50 PM - 4:00 PM

A Novel Heart Allocation Score Predicts Waitlist Survival Better Than the Current 6-Status Heart Allocation System

K. Zhang¹, M. Churpek², N. Narang³, W. F. Parker⁴, ¹Pulmonary and Critical Care, University of Chicago, Chicago, IL, ²Department of Medicine, University of Wisconsin-Madison, Madison, WI, ³Advocate Christ Medical Center, Oak Lawn, IL, ⁴Department of Medicine, University of Chicago, Chicago, IL

4:00 PM - 4:10 PM

A Dynamic Calculator of Waitlist Outcomes for Adult Heart Transplant Candidates

G. R. Lyden¹, M. Colvin², C. Schaffhausen¹, D. Zaun¹, J. J. Snyder¹, A. Hart¹, ¹Hennepin Healthcare Research Institute, Minneapolis, MN, ²University of Michigan, Ann Arbor, MI

4:10 PM - 4:20 PM

Outcomes of Hepatitis B Virus-Infected Donors in Heart Transplantation

E. Habib¹, O. Baqal², M. Klanderma², B. Aqel², L. LeMond², ¹Internal Medicine, Mayo Clinic, Phoenix, AZ, ²Mayo Clinic, Phoenix, AZ

Program Topic: Basic Science

Late Breaking: Basic & Translational

3:00 PM - 4:20 PM

Moderators:

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

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

3:00 PM - 3:10 PM

Prior Viral Infection Primes Cross-Reactive CD8+ T Cells That Respond to Mouse Heart Allografts

M. Khorki¹, T. Shi², A. Burg², E. Cianciolo², J. Katz², D. Hildeman², ¹Pediatric Nephrology, Cincinnati Childrens Hospital, Cincinnati, OH, ²Immunobiology, Cincinnati Children's Hospital Medical Center, Cincinnati, OH

3:10 PM - 3:20 PM

3D Bioprinting of a Bionic Pancreas with a Vascular System as a Macro-Device for Stem-Cell Derived Beta Cells or Knocked-Out Xeno-Derived Islets - Results of Transplantation in Large Animals

M. Wszola¹, A. Berman¹, M. Klak¹, T. Dobrzanski¹, O. Janowska¹, D. Ujazdowska², D. Szkopek³, K. Roszkowicz-Ostrowska³, A. Kondej³, J. Wolinski³, A. Kaminski⁴, A. Dobrzyn⁵, ¹Polbionica Sp. z o.o., Warsaw, Poland, ²Foundation of Research and Science Development, Warsaw, Poland, ³The Kielanowski Institute of Animal Physiology and Nutrition PAS, Jablonna, Poland, ⁴Warsaw Medical University, Warsaw, Poland, ⁵Nencki Institute of Experimental Biology of Polish Academy of Sciences, Warsaw, Poland

3:20 PM - 3:30 PM

Activated Frozen Thawed Mesenchymal Stem Cells in Humanized Mice After Induction of Acute Liver Injury Through Alcohol Binging Response at Various Doses

S. Martin¹, J. Hernandez², Y. Zhu², N. Kohrman², D. Yeh², J. Mahr³, K. Zaragoza³, H. Choi², J. Kim³, S. Chopra², L. Ding², M. Thorton², B. Grubbs², L. Makowka³, L. Sher⁴, K. Machida², ¹Abdominal Transplant, University of Southern California, Los Angeles, CA, ²University of Southern

California, Los Angeles, CA, ³PrimeGene, Santa Ana, CA,
⁴University of Southern California Keck School of
Medicine, Los Angeles, CA

3:30 PM - 3:40 PM

Insulin-Independence of Diabetic Pigs After
Autotransplantation of 3D-Bioprinted Bionic Pancreatic
Tissue Petals

M. Wszola¹, M. Klak¹, A. Berman¹, O. Janowska¹, D. Ujazdowska², S. Domański¹, T. Dobrzanski¹, D. Szkopek³,
A. Filip², K. Roszkowicz-Ostrowska³, A. Kondej³, J. Wolinski³,
A. Kaminski⁴, ¹*Polbionica Sp. z o.o., Warsaw, Poland*, ²*Foundation of Research and Science Development, Warsaw, Poland*, ³*The Kielanowski Institute of Animal Physiology and Nutrition PAS, Jablonna, Poland*, ⁴*Warsaw Medical University, Warsaw, Poland*

3:40 PM - 3:50 PM

Single-Cell RNA Sequencing Reveals the Pivotal Role of
IRF1 in Macrophages in Renal Allograft Rejection

Y. Chen, Q. Zhang, M. Huang, P. Gao, X. Su, H. Zhang, L. Liu,
C. Wang, *Organ Transplant Center, The First Affiliated Hospital of Sun Yat-Sen University, Guangzhou, China*

3:50 PM - 4:00 PM

Induction of “Spontaneous” Allograft Tolerance by
Pluripotent Stem Cells

T. Kamatani, K. Seino, *Division of Immunobiology, Institute for Genetic Medicine, Hokkaido University, Sapporo, Japan*

4:00 PM - 4:10 PM

Deciphering HLA-DQ Immunogenicity: A Small Step
Forward

C. Maguire¹, P. Crivello², S. Heidt³, V. Kosmoliaptsis⁴, A. Tambur⁵,
¹*Transplant Immunology, Northwestern University, Chicago, IL*, ²*UK-Essen, Essen, Germany*, ³*Leiden Medical Center, Leiden, Netherlands*, ⁴*U of Cambridge, Cambridge, United Kingdom*, ⁵*Northwestern University, Chicago, IL*

4:10 PM - 4:20 PM

Auxiliary Liver Xenotransplantation Technique in a
Transgenic Pig-to-Non-Human Primate Model: A Surgical
Approach to Prolong Survival and Better Understand Graft
Rejection

S. Park, K. Oh, K. Lee, J. Park, *General Surgery, Samsung Medical Center, Seoul, Korea, Republic of*

Program Topic: Kidney

Kidney: Biomarkers -2

3:00 PM - 4:20 PM

Moderators:

Emilio Poggio, MD, Cleveland Clinic, Cleveland, OH, USA
Christopher Marsh, MD, FACS, FAST, Scripps Clinic &
Scripps Green Hospital, La Jolla, CA, USA

3:00 PM - 3:10 PM

Belatacept Modifies the Immune Event Risk Associated
with Predicted Indirectly Recognizable HLA Epitopes
(PIRCHE-II)

A. C. Johnson¹, J. Zhang¹, L. Gragert², C. P. Larsen¹,
¹*Emory University, Atlanta, GA*, ²*Tulane University School of Medicine, New Orleans, LA*

3:10 PM - 3:20 PM

Kidney Allograft Rejection is Associated with an
Imbalance of B Cells, Regulatory T Cells and Differentiated
Cd28-cd8+ T Cells - Analysis of a Cohort of 1095 Graft
Biopsies

H. L. Mai¹, N. Degauque¹, M. Lorent¹, M. Rimbart², K. Renaudin³,
R. Danger¹, C. Kerleau¹, G. Tilly¹, F. Delbos⁴, A. Walencik⁴,
M. Giral⁵, S. Brouard¹, ¹*CHU Nantes, CR2TI - INSERM UMR1064, Nantes Université, Nantes, France*,
²*CIMNA, CHU Nantes, CR2TI - INSERM UMR1064, Nantes Université, Nantes, France*,
³*Service d'Anatomie et Cytologie Pathologiques, CHU Nantes, CR2TI - INSERM UMR1064, Nantes Université, Nantes, France*,
⁴*Etablissement Français du Sang (EFS), CHU Nantes, Nantes Université, Nantes, France*,
⁵*Service de Néphrologie et Immunologie Clinique, CHU Nantes, CR2TI - INSERM UMR1064, Nantes Université, Nantes, France*

3:20 PM - 3:30 PM

Pre-Transplant Mitochondrial Respiration in Human
Kidney Allografts Predicts Clinical Outcome Upon
Transplantation

A. T. Meszaros¹, S. Gasteiger², P. van Appeldorn², K. Kinzer²,
M. Koett², J. Hofmann², D. Oefner², S. Schneeberger²,
A. Weissenbacher², ¹*Department of Visceral, Transplant and Thoracic Surgery, Department of Visceral, Transplantation and Thoracic Surgery, Medical University Innsbruck, Innsbruck, Austria*, ²*Department of Visceral, Transplant and Thoracic Surgery, Medical University Innsbruck, Innsbruck, Austria*

3:30 PM - 3:40 PM

High-Performing and Multicenter-Validated Dynamic

Prediction Models with Longitudinal Measurements of Serum Creatinine and Proteinuria for Death-Censored Kidney Graft Failure

S. Meziyerh¹, H. Peters-Sengers², M. Coemans³, T. Pieters⁴, D. Moes¹, J. de Fijter¹, F. Bemelman², M. Naesens⁵, A. de Vries¹, J. Kers¹, ¹*Leiden University Medical Center, Leiden, Netherlands*, ²*Amsterdam University Medical Center, Amsterdam, Netherlands*, ³*KU Leuven, Leuven, Belgium*, ⁴*University Medical Center Utrecht, Utrecht, Netherlands*, ⁵*Microbiology, Immunology and Transplantation, KU Leuven, Leuven, Belgium*

3:40 PM - 3:50 PM

Subclinical Rejection-Free Diagnostic After Kidney Transplantation Using Blood Gene Expression

R. Danger¹, L. Le Berre¹, M. Cadoux¹, C. Kerleau¹, E. Papuchon¹, P. Guérif¹, E. Morelon², O. Thauinat², C. Legendre³, D. Anglicheau³, C. Lefaucheur⁴, L. Couzi⁵, A. Del Bello⁶, N. Kamar⁶, M. Le Quintrec⁷, V. Goutaudier³, A. Loupy³, K. Renaudin¹, M. Giral¹, S. Brouard¹, ¹*CR2TI-INSERM UMR 1064, CHU Nantes - Nantes Université, Nantes, France*, ²*Edouard Herriot Hospital, Hospices Civils de Lyon, INSERM Unit 1111, Lyon-Est Medical Faculty, Claude Bernard University, Lyon, France*, ³*Necker Hospital, APHP, INSERM, Paris University, Paris, France*, ⁴*INSERM UMR S970, Université de Paris, Saint Louis Hospital, APHP, Paris, France*, ⁵*Department of Nephrology, Transplantation and Dialysis, Bordeaux University Hospital, Bordeaux, France*, ⁶*CHU de Rangueil, INSERM UMR1291, CNRS UMR5051, Université Toulouse III, Toulouse, France*, ⁷*University Hospital of Lapeyronie, Montpellier, France*

3:50 PM - 4:00 PM

Association Between Abdominal CT Measurements of Body Composition and Waitlist Mortality in Kidney Transplant Candidates

E. E. Quint¹, Y. Liu², O. Shafaat³, R. A. Pol¹, D. L. Segev², C. Weiss³, M. A. McAdams DeMarco², ¹*UMCG, Groningen, Netherlands*, ²*NYU, New York, NY*, ³*JHU, Baltimore, MD*

4:00 PM - 4:10 PM

Dose-Response Curves Characterization of Immunobiogram, a Novel Immunoassay to Test the Pharmacodynamic Response to Individual Immunosuppressive Drugs in a Representative Sample of Kidney Transplant Recipients

E. Gonzalez¹, C. Jimenez², D. Valencia³, M. Lopez-Oliva², M. Moreno³, A. Ortega⁴, T. Diez⁴, I. Portero⁴, A. Sanchez³, ¹*Hospital La Paz, Madrid, Spain*, ²*H La Paz, Madrid, Spain*, ³*H Clinico San Carlos, Madrid, Spain*, ⁴*Biohope SL, Madrid, Spain*

4:10 PM - 4:20 PM

Adapting Imaging Mass Cytometry to Explore Renal Allograft Inflammation and Develop a Tissue-Based Classifier

M. P. Alexander¹, M. Zaidi², A. Bentall³, M. Stegall³, T. Mckee², K. Pavelko³, T. Taner³, ¹*Department of Laboratory Medicine and Pathology, Mayo Clinic, Rochester, MN*, ²*University Health Network, Toronto, ON, Canada*, ³*Mayo Clinic, Rochester, MN*

Program Topic: Liver

Liver: Expanding the Donor Pool (Liver: MELD Allocation / Donor Issues)

3:00 PM - 4:20 PM

Moderators:

Kristopher Croome, MD, MS, Mayo Clinic Florida, Jacksonville, FL, USA
Garrett Roll, MD, UCSF, San Francisco, CA, USA

3:00 PM - 3:10 PM

Improved Waitlist Outcomes in Liver Transplant Patients with Mid-MELD Scores Listed in Aggressive Centers Toward Donation After Cardiac Death

K. Miyake¹, T. Kitajima¹, N. Wickramaratne¹, L. Chau¹, M. Rizzari¹, H. Gonzalez², D. Venkat², D. Moonka², A. Yoshida¹, M. Abouljoud¹, S. Nagai¹, ¹*Division of Transplant and Hepatobiliary Surgery, Henry Ford Hospital, Detroit, MI*, ²*Division of Gastroenterology and Hepatology, Henry Ford Hospital, Detroit, MI*

3:10 PM - 3:20 PM

The Paradox of Splitting the Liver: Doubling the Impact Yet Moving in the Wrong Direction

T. Prudencio¹, B. Peticca¹, S. Robinson¹, K. Lau², K. Chavin², A. Di Carlo³, S. Karhadkar², ¹*Lewis Katz School of Medicine at Temple University, Philadelphia, PA*, ²*Surgery, Temple University Hospital, Philadelphia, PA*, ³*Temple University Hospital, Philadelphia, PA*

3:20 PM - 3:30 PM

Expansion of the Liver Donor Pool by Portable Normothermic Machine Perfusion (NMP) -Single Center Experience of 108 Donor Livers Preserved with NMP-

T. Yamamoto¹, S. Atthota¹, K. Crisalli¹, M. MacConmara², T. Nakamura¹, R. Teo¹, L. Dageforde¹, S. Kimura¹, N. Elias¹, H. Yeh¹, A. Bozorgzadeh¹, T. Kawai¹, J. F. Markmann¹, ¹*Center for Transplantation Science, Massachusetts General Hospital/Harvard Medical School, Boston, MA*

²TransMedics, Andover, MA

3:30 PM - 3:40 PM

Living Donor Wellness Program for Overweight/Obese and Steatotic Living Donor Liver Transplantation Donors
S. C. Kim¹, I. Cheng², N. Kaur¹, Y. Genyk¹, Y. Kwon¹,
¹Hepatobiliary and Abdominal Organ Transplant Surgery,
University of Southern California, Los Angeles, CA,
²Leonard Davis School of Gerontology, University of
Southern California, Los Angeles, CA

3:40 PM - 3:50 PM

Normothermic Mechanical Perfusion (NMP) Significantly Reduces the Risk of Ischemic Cholangiopathy in Recipients of Donation After Cardiac Death (DCD) Liver Transplants
B. Agel, M. Nguyen, K. Reddy, A. Moss, W. Hewitt, C. Jadowiec, N. Katariya, A. Singer, A. K. Mathur, *Mayo Clinic Arizona, Phoenix, AZ*

3:50 PM - 4:00 PM

First Report of the Organ Care System Liver Perfusion Registry: Organ Utilization and Transplant Outcomes
M. Hobeika¹, R. Ghobrial¹, G. Roll², S. Syed², M. Abouljoud³, G. Schnickel⁴, D. Sudan⁵, A. K. Mathur⁶, A. Moss⁶, J. Markmann⁷, ¹Houston Methodist Hospital, Houston, TX, ²UCSF Medical Center, San Francisco, CA, ³Henry Ford Transplant Institute, Detroit, MI, ⁴University of California, San Diego, San Diego, CA, ⁵Duke University Medical Center, Durham, NC, ⁶Mayo Clinic, Phoenix, AZ, ⁷Mass General Brigham, Boston, MA

4:00 PM - 4:10 PM

Recovery of Warm Ischemic Rat Livers Through Machine Perfusion-Mediated Apoptosis Inhibition
M. Mojoudi, M. Taggart, A. Kharga, K. Uygun, *Massachusetts General Hospital, Boston, MA*

4:10 PM - 4:20 PM

A Comparison of Living Donor Liver Transplant (LDLT) and Donor After Cardiac Death (DCD): Is There a Superior Option?
G. J. McKenna, E. Martinez, H. Fernandez, A. Wall, J. Bayer, R. Ruiz, A. Gupta, S. Lee, G. Testa, *Simmons Transplant Institute, Baylor University Medical Center, Dallas, TX*

Program Topic: Basic Science

Biomarkers: -omics and Systems Biology

3:00 PM - 4:20 PM

Moderators:

Ana Konvalinka, MD, PhD, FRCPC, Toronto General Hospital/ University Health Network/ University of Toronto, Toronto, ON, Canada
Brendan Keating, PhD, UPenn, Philadelphia, PA, USA

3:00 PM - 3:10 PM

Bac-Transgenic Mice Show a Novel T-Cell Intrinsic Excitatory Role for Apol1 Risk-Alleles
J. Pell, A. C. Reghuvaran, S. Nagata, K. Banu, H. Shi, W. Song, I. Chernova, S. Ishibe, M. Menon, *Medicine, Yale University, New Haven, CT*

3:10 PM - 3:20 PM

Single-Cell RNA-Seq Reveals Similarities and Differences of Biological Characteristics Among BK Virus-Associated Nephropathy, Antibody-Mediated Rejection, and Renal Clear Cell Carcinoma
G. Huang, F. Yang, S. Meng, X. Chen, L. Li, H. Zhang, G. Zhao, *The First Affiliated Hospital, Sun Yat-sen University, Guangzhou, China*

3:20 PM - 3:30 PM

Ex Vivo Perfusion Based Genetic Modification of Vascularized Composite Allografts
I. C. Filz von Reiterdank¹, R. Imbriani Bento², E. de Clermont-Tonnerre¹, A. Dinicu¹, M. Mojoudi¹, G. Wojtkiewicz¹, A. Mink van der Molen³, H. Coert³, A. G. Lellouch¹, C. L. Cetrulo¹, B. Parekkadan², K. Uygun¹, ¹Massachusetts General Hospital, Boston, MA, ²Rutgers University, Piscataway, NJ, ³UMC Utrecht, Utrecht, Netherlands

3:30 PM - 3:40 PM

Systematic Comparison of Murine Models of Chronic Lung Allograft Dysfunction
M. Bueno, X. Wang, P. Suresh, B. Chuan, M. J. Brown, M. Snyder, J. F. McDyer, O. Eickelberg, *Pulmonary and Critical Care Medicine, Department of Medicine, University of Pittsburgh, Pittsburgh, PA*

3:40 PM - 3:50 PM

Tolerogenic Dna Methylation Signature of Human Dcregs
H. Abdelsamed, *UPMC, Pittsburgh, PA*

3:50 PM - 4:00 PM

Risk Assessment of Donor Livers for Transplantation Through Quantification of Mitochondrial Dysfunction Surrogates in Flushing Solutions
K. Ali¹, B. Cazzaniga¹, Q. Liu¹, R. Raj¹, M. Tuul¹, T. Diago², M. Fujiki¹, F. Aucejo¹, B. Eghtesad¹, G. DAMico¹, C. Kwon¹,

S. Chaudhry¹, A. Pita¹, J. Kim¹, R. Fairchild³, J. Doi¹, M. Khalil¹, E. Fernandes¹, J. Kusakabe¹, E. Calderon¹, C. Miller¹, A. Schlegel⁴, C. Quintini², K. Hashimoto¹, ¹General Surgery, Cleveland Clinic, Cleveland, OH, ²General Surgery, Cleveland Clinic, Abu Dhabi, United Arab Emirates, ³Cleveland Clinic Foundation, Cleveland, OH, ⁴General Surgery, Università degli Studi di Milano, Milan, Italy

4:00 PM - 4:10 PM

Differential Gene Expression Changes Due to Altered Dna Methylation Results in Hepatic Ischemia-Reperfusion Injury in Deceased Donor Liver Transplant Recipients
H. Zubair¹, A. M. Harris¹, T. Rousselle¹, S. Azim¹, A. C. Shetty¹, D. Maluf², V. Mas¹, ¹Surgical Sciences, University of Maryland, Baltimore, MD, ²Program in Transplantation, University of Maryland, Baltimore, MD

4:10 PM - 4:20 PM

Alterations of the Gut Microbiota and Associated Metabolome in Renal Transplant Acute Rejection
A. Vaitkute¹, F. Yuen Chang¹, A. Greco², S. Chong¹, S. Eaton², M. Bajaj-Elliott², A. Pesenacker¹, R. Motallebzadeh¹, ¹Institute of Immunity and Transplantation, UCL, London, United Kingdom, ²Great Ormond Street Institute of Child Health, UCL, London, United Kingdom

Program Topic: Infectious Disease

COVID-19 Prevention and Outcomes

3:00 PM - 4:20 PM

Moderators:
Emily Eichenberger, MD, MHS, Emory University School of Medicine, Atlanta, GA, USA
Paul Sue, M.D., C.M., UT Southwestern Medical Center, Dallas, TX, USA

3:00 PM - 3:10 PM

Pre-Exposure Tixagevimab/Cilgavimab Monoclonal Antibodies Reduces Severe Covid-19 Infection in Lung Transplant Recipients
S. Rao, S. Floyd, H. Mannem, M. Maddox, J. Kamal, A. Nishio-Lucar, A. Doyle, B. Sharma, M. Weder, *University of Virginia, Charlottesville, VA*

3:10 PM - 3:20 PM

Variant-Specific Neutralization Activity Against BA.4/5 with Tixagevimab/cilgavimab in Transplant Recipients
J. T. Solera¹, B. G. Arbol², V. H. Ferreira², Q. Hu³, M.

Ierullo², A. Valverde-Zuniga², I. Raslan², A. Nasir², C. Grizales², A. Kurtesi³, A. Gingras³, A. Humar², D. Kumar², ¹University Health Network - Ajmera Transplant Centre, Toronto, ON, Canada, ²UHN, Toronto, ON, Canada, ³MSH, Toronto, ON, Canada

3:20 PM - 3:30 PM

Increased Mortality in Kidney Transplant Recipients During the Covid-19 Era
B. Smith¹, H. Khamash², M. Mai³, A. Bentall¹, S. M. Riad⁴, W. Park¹, P. Dean⁵, S. Nair², H. Wade⁶, M. Stegall¹, ¹Mayo Clinic, Rochester, MN, ²Mayo Clinic, Scottsdale, AZ, ³Mayo Clinic Transplant Ctr, Jacksonville, FL, ⁴Medicine, Mayo Clinic Rochester, Rochester, MN, ⁵Mayo Clinic Rochester, Rochester, MN, ⁶Mayo Clinic, Jacksonville, FL

3:30 PM - 3:40 PM

Clinical Outcomes of Sars-Cov2 Infection in Kidney Transplant Recipients Receiving Belatacept: A Single-Center Experience
F. Feller¹, M. Azar¹, J. Marvin², E. Cohen², S. Virmani¹, M. Malinis¹, ¹Yale School of Medicine, New Haven, CT, ²YNHH, New Haven, CT

3:40 PM - 3:50 PM

Effectiveness of Tixagevimab/Cilgavimab During the BA5 Omicron Period
A. Al Jurdi, L. Morena, N. AlZahrani, R. Verhoeff, C. N. Kotton, L. V. Riella, *Massachusetts General Hospital, Boston, MA*

3:50 PM - 4:00 PM

Longitudinal Outcomes of COVID-19 in a Large Cohort of Transplant Recipients 2020-2022
J. T. Solera¹, B. G. Arbol², V. G. Hall², A. Humar², D. Kumar², ¹University Health Network - Ajmera Transplant Centre, Toronto, ON, Canada, ²UHN, Toronto, ON, Canada

4:00 PM - 4:10 PM

Trends in Kidney Transplant Outcomes in Older Adults Before and After Covid-19 Pandemic Onset
Y. Li¹, G. Menon², W. Wu², A. Musunuru², L. Zeiser², D. Segev², M. McAdams DeMarco², ¹NYU Grossman School of Medicine, New York, NY, ²NYU, New York, NY

4:10 PM - 4:20 PM

Mortality Excess During Covid-19 Era in Over 10,000 Kidney Transplant Recipients from a Single Center
M. Cristelli¹, C. Chow², H. Fagundes¹, M. Taver¹, R. Garcia¹, R. Sousa¹, S. Carvalho¹, M. Nakamura², W. Nogueira¹, R. Mayer¹, J. Medina-Pestana², H. Tedesco-Silva², ¹Hospital

do Rim, Sao Paulo, Brazil, ²Hospital do Rim. Nephrology Division, UNIFESP, Sao Paulo, Brazil

Program Topic: Public Policy

Non-Organ Specific: Public Policy & Allocation

3:00 PM - 4:20 PM

Moderators:

James Pomposelli, MD, PhD, University of Colorado, Aurora, CO, USA
Adam Bodzin, MD, Thomas Jefferson University, Philadelphia, PA, USA

3:00 PM - 3:10 PM

Impact of Area Deprivation Index on Organ Procurement Organization Performance Metrics

J. Schold¹, R. Lopez², S. Mohan³, ¹University of Colorado Anschutz Medical Campus, Aurora, CO, ²University of Colorado, Aurora, CO, ³Columbia University Medical Center, New York, NY

3:10 PM - 3:20 PM

Impact of Transitioning to Lung Continuous Distribution

R. R. Goff¹, D. Handarova¹, J. Alcorn¹, T. Mupfudze¹, S. Weiss², M. M. Budev³, E. Lease⁴, ¹United Network for Organ Sharing, Richmond, VA, ²Research Science, UNOS, Richmond, VA, ³Cleveland Clinic, Cleveland, OH, ⁴University of Washington, Seattle, WA

3:20 PM - 3:30 PM

Provisional Acceptance Decline Rates

C. Martinez¹, J. White¹, I. Hager¹, C. Curran², G. Abrahamian³, J. Campbell⁴, K. Koontz⁵, A. Doyle⁶, ¹UNOS, Richmond, VA, ²New England Donor Services, Waltham, MA, ³UT Health San Antonio, San Antonio, TX, ⁴Mayo Clinic, Jacksonville, FL, ⁵HonorBridge, Durham, NC, ⁶UVA Health, Charlottesville, VA

3:30 PM - 3:40 PM

Why is the OPTN HOPE Kidney Waiting List Shrinking Despite Short(er) Wait Times?

A. Fritz¹, C. Wolfe², D. Handarova¹, D. Klassen¹, ¹UNOS, Richmond, VA, ²Duke Univ, Durham, NC

3:40 PM - 3:50 PM

Merit Points System and the Change of Willingness to Donate

M. D. Nazzari, A. Engelhardt, T. Hallcox, L. Van Gorp, P. Parrish, R. Okeke, K. Kumanan, V. Fleetwood, Y. Caliskan, A. Jain, B. Bastani, Saint Louis University, Saint Louis, MO

3:50 PM - 4:00 PM

Determinants of Liver Transplant Center Phenotype

D. M. Kenawy, A. J. Logan, J. M. Sneddon, N. Singh, M. Alebrahim, K. Washburn, A. D. Schenk, Surgery, The Ohio State University, Columbus, OH

4:00 PM - 4:10 PM

Expanding Hope Act Experience Criteria for Transplantation from Donors with HIV to Recipients with HIV

M. Bowring¹, J. Ruck¹, M. Bryski¹, W. Werbel¹, A. Tobian¹, A. Massie², D. Segev², C. Durand¹, ¹Johns Hopkins University, Baltimore, MD, ²NYU Langone Health, New York, NY

4:10 PM - 4:20 PM

Powerful New Methods and Tools for Designing Allocation Policy for Deceased-Donor Organs

E. Pivo¹, N. Trichakis¹, D. Bertsimas¹, S. Booker², K. Bradbrook², J. White², L. Larkin², T. Dolan², J. Alcorn², ¹Massachusetts Institute of Technology, Cambridge, MA, ²United Network for Organ Sharing, Richmond, VA

Program Topic: Basic Science

Machine Perfusion and Organ Rehabilitation - Basic

3:00 PM - 4:20 PM

Moderators:

Sylvester Black, MD, PhD, Ohio State University, Columbus, OH, USA
Astgik Petrosyan, PhD, Los Angeles Children's Hospital/ Keck School of Medicine USC, Los Angeles, CA, USA

3:00 PM - 3:10 PM

Removal of Circulating Nucleosomes/Neutrophil Extracellular Traps (nets) Reduces Ex-Situ Reperfusion Injury in Porcine Dcd Livers Preserved with Normothermic Machine Perfusion (nmp)

F. Dengu¹, H. Abbas¹, J. Schofield², R. Morovat³, A. Quaglia⁴, G. Wang², S. Abrams², J. Micallef⁵, M. Herzog⁵, J. Candiracci⁵, C. Toh², A. Aswani⁶, P. Friend¹, ¹Nuffield Department of Surgical Sciences, University of Oxford, Oxford, United Kingdom, ²Department of Clinical Infection, University of Liverpool, Liverpool, United Kingdom, ³Clinical Biochemistry, OUH NHS, Oxford, United Kingdom, ⁴Cancer Institute, Medical Sciences, University College London, London, United Kingdom, ⁵Belgian Volition SRL, Isnes, Belgium, ⁶Santerus AG, Zurich, Switzerland

3:10 PM - 3:20 PM

Growing Use of Perfusion for Heart, Liver, and Lung
R. R. Goff¹, K. Gauntt¹, W. Cherikh¹, E. D. Lease², D. Klassen¹, ¹*United Network for Organ Sharing, Richmond, VA*, ²*University of Washington, Seattle, WA*

3:20 PM - 3:30 PM

Pulsatile Perfusion Characteristics of En Bloc Kidneys Transplanted from Small Pediatric Donors May Predict Early Allograft Failure

J. M. Yu, J. Sageshima, P. A. Than, N. M. Mineyev, N. Goussous, R. V. Perez, *Surgery, University of California Davis Health, Sacramento, CA*

3:30 PM - 3:40 PM

Reliable Continuous Oxygen Monitoring During Ex-Vivo Machine Perfusion

Y. Berkane¹, J. Cascales², E. Rousakis², A. A. Shamlou¹, A. G. Lellouch¹, C. Cetrulo¹, C. Evans², K. Uygun³, ¹*Vascularized Composite Allograft Transplantation Laboratory, Massachusetts General Hospital, Boston, MA*, ²*Wellman Center for Photomedicine, Massachusetts General Hospital, Boston, MA*, ³*Center for Engineering in Medicine and Surgery, Massachusetts General Hospital, Boston, MA*

3:40 PM - 3:50 PM

Impact of Liver Graft Preservation Method and Liver Failure Etiology on the Gut Microbiome

G. A. Cresci¹, N. Sangwan², K. Ali², B. Cazzaniga², Q. Liu², D. Liu², K. Hashimoto², C. Miller³, C. Quintini², ¹*Pediatric Gastroenterology and Inflammation & Immunity, Cleveland Clinic, Cleveland, OH*, ²*Cleveland Clinic, Cleveland, OH*, ³*The Cleveland Clinic, Bratenahl, OH*

3:50 PM - 4:00 PM

Cryopreservation of Rat Hearts by Vitrification and Nanowarming

B. Namsrai¹, Z. Gao², Z. Han², J. Rao³, V. Ravikumar⁴, A. Sharma², H. Ring⁵, D. Idiyatullin⁵, E. Magnuson², P. Iazzo¹, A. Talkachova⁴, M. Garwood⁵, M. Etheridge², J. C. Bischof², E. Finger⁶, ¹*Surgery, University of Minnesota, Minneapolis, MN*, ²*Mechanical Engineering, University of Minnesota, Minneapolis, MN*, ³*Solid Organ Transplantation, Department of Surgery, University of Minnesota, Minneapolis, MN*, ⁴*Biomedical Engineering, University of Minnesota, Minneapolis, MN*, ⁵*Radiology, University of Minnesota, Minneapolis, MN*, ⁶*University of Minnesota, Minneapolis, MN*

4:00 PM - 4:10 PM

Repurposed Drug Induces Novel Hibernating-Like Alterations in Metabolism and Cardiac Function During

Prolonged Heart Preservation

R. J. Veraza¹, K. Andrijauskaite¹, R. Lopez¹, E. Cisneros¹, I. Cano¹, Z. Maxwell¹, S. Lightbown², M. Sperry², R. Novak³, M. Super², D. Ingber², L. Bunegin¹, ¹*Vascular Perfusion Solutions, Inc., San Antonio, TX*, ²*Wyss Institute for Biologically Inspired Engineering at Harvard University, Boston, MA*, ³*Unravel Biosciences, Boston, MA*

4:10 PM - 4:20 PM

Evaluation of Liver Maximum Capacity (LiMAX) Measurements to Monitor Hepatocellular Function During Extended Normothermic Machine Perfusion

G. Clarke¹, J. Mao², Y. Fan², A. Hann³, A. Gupta⁴, A. Nutu³, E. Buckel Schaffner³, K. Kayani⁵, M. Bangash⁶, A. Casey⁷, M. David⁷, T. Perera³, S. C. Afford², H. Mergental³, N. Murphy⁶, B. V. Dasari³, ¹*Liver Unit, Queen Elizabeth Hospital Birmingham / University of Birmingham, Birmingham, United Kingdom*, ²*Centre for Liver and Gastroenterology Research, University of Birmingham, Birmingham, United Kingdom*, ³*Liver Unit, Queen Elizabeth Hospital, Birmingham, United Kingdom*, ⁴*Ochre-Bio Ltd, Oxford, United Kingdom*, ⁵*Queen Elizabeth Hospital, Birmingham, United Kingdom*, ⁶*Intensive Care Unit, Queen Elizabeth Hospital, Birmingham, United Kingdom*, ⁷*Microbiology Department, Queen Elizabeth Hospital, Birmingham, United Kingdom*

Program Topic: Kidney

Kidney Complications: Non-Immune Mediated Late Graft Failure

3:00 PM - 4:20 PM

Moderators:

Beatrice Concepcion, MD MS, University of Chicago, Chicago, IL, USA
Jennifer Berumen, MD, University of California at San Diego, San Diego, CA, USA

3:00 PM - 3:10 PM

Higher Levels of Mesangial Expansion Predict Death-Censored Graft Loss

A. Denic¹, B. Smith¹, W. Park¹, A. Kukla¹, J. Grande², M. Stegall¹, ¹*Mayo Clinic, Rochester, MN*, ²*Mayo Clinic College of Med, Rochester, MN*

3:10 PM - 3:20 PM

Serum Creatinine Elevation Following Initiation of Raas Inhibitors Identifies Kidney Transplant Recipients at Risk of Hyperfiltration Injury

K. Castrezana López, L. Mosimann, S. von Moos, T. Mueller, T. Schachtner, *Division of Nephrology, University Hospital Zurich, Zurich, Switzerland*

3:20 PM - 3:30 PM

Delayed Graft Function Among Kidney Transplant Recipients is Associated with Increased Risk of Infections
E. A. Alshaikh, B. C. Astor, B. Muth, M. Jorgenson, K. J. Swanson, N. Garg, F. Aziz, M. Mohamed, D. Mandelbrot, S. Parajuli, *University of Wisconsin Hospital and Clinics, Madison, WI*

3:30 PM - 3:40 PM

Delayed Kidney Graft Function in Re-Transplantation and the Effect on Graft and Patient Survival: A UNOS Database Analysis
A. Christianson¹, H. Kaul², A. Parsikia², N. Chandolias², K. Khanmoradi², R. Zaki², ¹PCOM Georgia, Suwanee, GA, ²Einstein Medical Center Now Part of Jefferson Health, Philadelphia, PA

3:40 PM - 3:50 PM

Impact of Body Mass Index on Long Term Outcomes Post Renal Transplantation
A. Olyaei, S. Rehman, M. Stack, D. Woodland, D. Scott, A. M. de Mattos, *Oregon Health & Science University, Portland, OR*

3:50 PM - 4:00 PM

Characteristics, Demographics and Outcomes of Kidney Transplant Recipients with Extreme Dialysis Vintage > 10 Years. A National UNOS Database Review 2000-2021
M. Y. Jan, O. Adebisi, P. Yenebere, M. Yaqub, A. Sharfuddin, *Indiana University, Indianapolis, IN*

4:00 PM - 4:10 PM

Outcomes Following Graft Loss Among Patients Who Experience Premature Renal Allograft Failure
J. D. Motter, A. B. Massie, B. E. Lonze, *NYU Langone Health, New York, NY*

4:10 PM - 4:20 PM

Hyperparathyroidism During 1st Year of Renal Transplant is Associated with Long Term Graft Loss
C. Alfieri¹, P. Molinari¹, E. Cicero¹, D. Cresseri¹, A. Regalia¹, M. Campise¹, E. Favi², G. Castellano¹, ¹Nephrology, Dialysis and Renal Transplantation, Fondazione IRCCS Ca' Granda Ospedale Policlinico Milan, Milan, Italy, ²Renal Transplant Unit, Fondazione IRCCS Ca' Granda Ospedale Policlinico Milan, Milan, Italy

Program Topic: Infectious Disease

Fungal and Misc Infections in SOTR

3:00 PM - 4:20 PM

Moderators:

Christine Koval, MD, Cleveland Clinic, Shaker Heights, OH, USA

Meenakshi Rana, MD, Icahn School of Medicine at Mount Sinai, New York, NY, USA

3:00 PM - 3:10 PM

Coccidioidomycosis Testing and Infection Among Solid Organ Transplant Recipients in California 1990-2022
M. Fung, H. Cleveland, P. Chin-Hong, *University of California, San Francisco, San Francisco, CA*

3:10 PM - 3:20 PM

Incidence of Invasive Fungal Infections in Abdominal Solid Organ Transplant Recipients Using a High-Risk Aspergillus Prophylaxis Protocol
B. Burke¹, K. Rennyson¹, C. Holmvik¹, K. Owen², A. Kroemer³, J. Timpone⁴, ¹Georgetown University School of Medicine, Washington, DC, ²Department of Pharmacy, MedStar Georgetown University Hospital, Washington, DC, ³MedStar Georgetown Transplant Institute, MedStar Georgetown University Hospital, Washington, DC, ⁴Department of Medicine, Division of Infectious Diseases and Tropical Medicine, MedStar Georgetown University Hospital, Washington, DC

3:20 PM - 3:30 PM

Infectious Complications of Lung Transplant for Covid-Associated Lung Injury (cali): A Single Center Case-Control Cohort Study
R. Osborn¹, M. Alamri², T. Rade¹, M. Ison³, ¹Northwestern Memorial Hospital, Chicago, IL, ²McGaw Medical Center of Northwestern University, Chicago, IL, ³Northwestern University Feinberg School of Medicine, Chicago, IL

3:30 PM - 3:40 PM

Duration of Anti-Fungal Therapy in Patients with Cryptococcosis Following Solid Organ Transplantation
H. K. Arora¹, P. M. Cumagun¹, M. K. Moore², T. P. McCarty¹, J. W. Baddley³, G. McGwin⁴, P. G. Pappas¹, ¹Infectious Diseases, University of Alabama at Birmingham, Birmingham, AL, ²University of South Alabama School of Medicine, Mobile, AL, ³Maryland Medical Institute of Human Virology, Baltimore, MD, ⁴Epidemiology, School of Public Health, University of Alabama at Birmingham, Birmingham, AL

3:40 PM - 3:50 PM

COVID-19 Associated Pulmonary Aspergillosis Among Solid Organ Transplant Recipients in the ICU - An International Case-Control Study

L. N. Walti¹, S. Anjan², F. Gioia³, J. Solera Rallo⁴, B. G. Arbol¹, Y. Natori⁵, G. Guerra⁶, J. Fortun Abete³, D. Kumar¹, L. N. Del Sorbo¹, S. Husain¹, ¹University Health Network, Toronto, ON, Canada, ²University of Miami, Miami, FL, ³Hospital Universitario Ramón y Cajal, Madrid, Spain, ⁴University Health Network Toronto, Toronto, ON, Canada, ⁵University of Miami, Pinecrest, FL, ⁶University of Miami Jackson Memorial Hospital, Miami, FL

3:50 PM - 4:00 PM

A Multicenter Case Series of Mpox in Transplant Recipients

E. Higgins¹, N. Ranganath², E. Beam³, E. Bhaimia⁴, D. Dunn⁵, E. Benamu⁶, S. Spivack⁷, R. Razonable³, ¹Division of Public Health, Infectious Disease and Occupational Medicine, Mayo Clinic, Rochester, MN, ²Mayo Clinic, Rochester, MN, ³Mayo Clinic College of Medicine, Rochester, MN, ⁴Division of Infectious Diseases, Rush University Medical Center, Chicago, IL, ⁵Division of Infectious Diseases, Icahn School of Medicine at Mount Sinai, New York, NY, ⁶Division of Infectious Diseases, University of Colorado, Aurora, CO, ⁷Lewis Katz School of Medicine at Temple University, Philadelphia, PA

4:00 PM - 4:10 PM

Deciphering the True Immunologic Risk in Renal Transplantation in Patients with Hiv

S. Karhadkar¹, D. Kahler¹, A. Diamond², K. Lau¹, K. Chavin³, A. Di Carlo¹, ¹Temple University Hospital, Philadelphia, PA, ²Garnet Valley, PA, ³Temple University School of Medicine, Philadelphia, PA

4:10 PM - 4:20 PM

A Phase 2 Multi-Center, Prospective, Randomized, Double-Blind Study to Assess Efficacy and Safety of Nitazoxanide Treatment of Norovirus in Transplant Recipients

C. Boutin¹, M. A. Callegari¹, D. Florescu², M. Nguyen², D. Kaul², R. Avery², P. Chong², C. Fisher², A. Limaye², L. Clough², S. Pergam², M. Green², M. Michaels², L. Danziger-Isakov², M. Angarone¹, L. Keefer², A. Daud¹, M. Ison¹, ¹Northwestern University FSM, Chicago, IL, ²NNITS Study Group, Chicago, IL

Break

4:20 PM - 4:30 PM

Rapid Fire Oral Abstract Sessions

4:30 PM - 5:30 PM

Program Topic: Basic Science

Chronic Organ Rejection

4:30 PM - 5:30 PM

Moderators:

Rakesh Sindhi, MD, Childrens Hospital of Pittsburgh of UPMC, Pittsburgh, PA, USA
Joren Madsen, MD, DPhil, Massachusetts General Hospital, Boston, MA, USA

4:30 PM - 4:40 PM

CD40 Induces Pir-A to Promote Chronic Rejection of Cardiac Transplantation

S. Chen¹, W. Yi², L. Wang², J. Wang², L. Sun², X. Zhou², P. Lan², Z. Chen², ¹Key Laboratory of Organ Transplantation, Ministry of Education; NHC Key Laboratory of Organ Transplantation, Institute of Organ Transplantation, Tongji Hospital, Tongji Medical College, Huazhong University of Science and Technology, Wuhan, China, ²Institute of Organ Transplantation, Tongji Hospital, Tongji Medical College, Huazhong University of Science and Technology, Wuhan, China

4:40 PM - 4:50 PM

Transglutaminase 2 in Chronic Lung Allograft Dysfunction

A. Tissot¹, S. Brouard², L. Berthelot³, ¹Nantes CHU, Nantes, France, ²Nantes Université, Nantes, France, ³CR2TI, Nantes Université, Nantes, France

4:50 PM - 5:00 PM

Cell-Type Specific Expression of the Common Rejection Module Revealed by Single-Cell Transcriptomics in Small Airway Brushes of Lung Transplant Recipients

E. Brunet-Ratnasingham, H. Guo, T. Tsao, R. P. Mohanty, S. Hays, M. Kleinhenz, J. Singer, D. R. Calabrese, J. R. Greenland, UCSF, San Francisco, CA

5:00 PM - 5:10 PM

Discerning Cell-Subtypes and Cell-Specific Molecular Pathways Balancing Injury and Repair in Normal Allografts

E. Bardhi¹, J. McDaniels¹, A. Shetty², S. Azim³, T. Rousselle¹, H. Zubair⁴, D. Maluf², V. Mas¹, ¹Surgical Sciences, University of Maryland, Baltimore, MD, ²University of Maryland, Baltimore, MD, ³Department of Surgery, Surgical Sciences, University of Maryland,

Baltimore, MD, ⁴*Surgical Sciences, Surgical Sciences, University of Maryland, Baltimore, MD*

5:10 PM - 5:20 PM

Absence of Recipient Neutrophil Cathepsin G Alters Donor-Specific Antibody-Mediated Rejection from Acute to Chronic Kidney Allograft Injury

Y. Mitsui¹, S. Miyairi², D. Ueda¹, N. Dvorina¹, K. S. Keslar¹, A. Valujskikh¹, W. Baldwin¹, R. Fairchild¹, ¹*Inflammation & Immunity, Cleveland Clinic, Cleveland, OH*, ²*Tokyo Women's Medical University, Cleveland, OH*

5:20 PM - 5:30 PM

Natural Killer Cell Functions in Chronic Antibody-Mediated Rejection in Kidney Allografts

J. M. Murphy¹, J. A. Mathews², S. Su³, C. McEvoy³, A. Konvalinka³, S. Crome¹, ¹*Immunology, Toronto General Hospital Research Institute, Ajmera Transplant Centre, University of Toronto, University Health Network, Toronto, ON, Canada*, ²*Toronto General Hospital Research Institute, Ajmera Transplant Centre, University Health Network, Toronto, ON, Canada*, ³*Toronto General Hospital, Ajmera Transplant Centre, University Health Network, Toronto, ON, Canada*

Program Topic: Basic Science

Tissue Engineering, Cellular, and Regenerative Medicine

4:30 PM - 5:30 PM

Moderators:

Jason Wertheim, MD, PHD, *University of Arizona, Tucson, AZ, USA*

Mohamed Ezzelarab, MD, *Starzl Transplantation Institute - University of Pittsburgh, Pittsburgh, PA, USA*

4:30 PM - 4:40 PM

Immune Response of Human Kidney Organoid-Based Tissues in a Humanized Mouse Model

T. J. Borges¹, Y. Ganchiku¹, R. van Gaal², S. G. Uzel², J. O. Aceves², K. Kobayashi³, K. Hiratsuka³, M. Tekguc³, R. B. Gassen¹, R. Morizane³, J. A. Lewis², L. V. Riella¹, ¹*Center for Transplantation Sciences, MGH, Boston, MA*, ²*Paulson School of Engineering and Wyss Institute, Harvard University, Cambridge, MA*, ³*Nephrology Division, MGH, Boston, MA*

4:40 PM - 4:50 PM

Transplantation of Cryopreserved Kidneys - A New

Paradigm in Organ Transplantation

J. Rao¹, Z. Han², J. Pasek-Allen², B. Namsrai³, M. Etheridge², J. C. Bischof², E. Finger³, ¹*Solid Organ Transplantation, Department of Surgery, University of Minnesota, Minneapolis, MN*, ²*Mechanical Engineering, University of Minnesota, Minneapolis, MN*, ³*Surgery, University of Minnesota, Minneapolis, MN*

4:50 PM - 5:00 PM

Allogeneic Pancreatic Islets Transplanted to a Bioengineered Omentum Achieves Euglycemic Control in a Diabetic Non-Human Primate Model

H. Deng¹, A. Zhang¹, D. Pan¹, Z. Yang¹, K. Lee¹, R. Matheson¹, I. Rosales¹, M. Coronel², E. Yolcu³, H. Shirwan³, A. Garcia², J. F. Markmann¹, J. Lei¹, ¹*MGH, Boston, MA*, ²*Georgia Institute of Technology, Atlanta, GA*, ³*University of Missouri, Columbia, MT*

5:00 PM - 5:10 PM

RXFP1 Signaling Regulates SatM via Ceacam1/Notch1 Axis and Attenuates Liver Fibrosis

H. Hirao¹, S. Yao¹, K. J. Dery¹, H. Kojima¹, D. G. Farmer¹, F. M. Kaldas¹, A. I. Agoulnik², J. Kupiec-Weglinski¹, ¹*UCLA, Los Angeles, CA*, ²*Herbert Wertheim College of Medicine, Miami, FL*

5:10 PM - 5:20 PM

Chimeric Hla Antibody Receptor T Cells for Targeted Therapy of Antibody Mediated Rejection in Transplantation

S. Betriu Méndez¹, J. Rovira², C. Arana³, A. Garcia-Busquets², M. J. Ramire-Bajo², E. Banon-Maneus², M. Lazo-Rodriguez², A. Bartoló-Ibars¹, F. H. Claas⁴, A. Mulder⁴, S. Heidt⁴, M. Juan¹, B. Bayés-Genís³, J. M. Campistol³, E. Palou¹, F. Diekmann³, ¹*Department of Immunology, Hospital Clinic de Barcelona, Barcelona, Spain*, ²*Laboratori Experimental de Nefrologia i Trasplantament (LENIT), IDIBAPS, Barcelona, Spain*, ³*Department of Nephrology and Kidney Transplantation, Institut Clínic de Nefrologia i Urologia (ICNU), Hospital Clinic de Barcelona, Barcelona, Spain*, ⁴*Department of Immunology, Leiden University Medical Center, Leiden, Netherlands*

5:20 PM - 5:30 PM

Engineering Donor Lymphocytes with Fas Ligand as an Effective Approach to Prevent Acute Graft-Versus-Host Disease

A. Turan¹, P. Shrestha², L. Batra², F. N. Arguc¹, A. Gulen¹, H. Shirwan³, E. S. Yolcu³, ¹*Child Health and Molecular Microbiology and Immunology, University of Missouri, Columbia, MO*, ²*Microbiology and Immunology, University*

of Louisville, Louisville, KY, ³Child Health and Molecular Microbiology and Immunology, University of Missouri at Columbia, Columbia, MO

Program Topic: Liver

Liver: Retransplantation and Other Complications

4:30 PM - 5:30 PM

Moderators:

David Goldberg, MD, MSCE, University of Miami, Miami, FL, USA

Mamatha Bhat, MD, PhD, UNIVERSITY HEALTH NETWORK, Toronto, ON, Canada

4:30 PM - 4:40 PM

Identifying Predictors of Post Liver Transplant Alcohol Relapse: A 1200 Patient Single Center Analysis
U. Ramsey¹, D. Noguchi¹, S. Ebaid¹, V. G. Agopian¹, H. Yersiz¹, S. Saab², D. G. Farmer¹, F. M. Kaldas³, ¹Division of Liver and Pancreas Transplantation, Department of Surgery, David Geffen School of Medicine at UCLA, Los Angeles, CA, ²Department of Medicine, David Geffen School of Medicine at UCLA, Los Angeles, CA, ³Division of Liver and Pancreas Transplantation, Department of Surgery, David Geffen School of Medicine at UCLA, Los Angeles, CA

4:40 PM - 4:50 PM

MUST-PEth: Low Rates of Biochemical Alcohol Relapse After Liver Transplantation for Alcohol-Associated Liver Disease in a Multicenter Cohort
N. Lim¹, V. Ajmera², W. Johnson Jr¹, K. Torosian², A. Kwong³, ¹University of Minnesota, Minneapolis, MN, ²University of California, San Diego, San Diego, CA, ³Stanford University, Los Altos Hills, CA

4:50 PM - 5:00 PM

Choledochoplasty is Associated with Increased Risk of Early Biliary Complications in Liver Transplantation
K. Tracy¹, T. Harris¹, D. Riffert², M. Wallace², M. Shannon², L. Matsuoka¹, S. Alexopoulos¹, ¹Department of Surgery, Vanderbilt University Medical Center, Nashville, TN, ²Vanderbilt University School of Medicine, Nashville, TN

5:00 PM - 5:10 PM

SRTR Outcomes of Liver Retransplantation in Children: Strategies Are Needed to Avoid Waitlist Mortality
P. L. Valentino¹, J. D. Perkins², N. M. Blondet¹, E. K. Hsu¹, K. M. Saarela¹, D. Wendel¹, A. A. Dick¹, P. J. Healey¹, J. D. Reyes¹, K. Bambha², M. L. Sturdevant², ¹Seattle Children's

Hospital, Seattle, WA, ²Univ of Washington, Seattle, WA

5:10 PM - 5:20 PM

Incidence, Risk Factors, and Negative Impact of Post-Liver Transplant Delirium: 5-Year Experience from a Tertiary Transplant Center

X. Huang¹, L. Hutchinson¹, S. Anders¹, M. O'Connor¹, U. Kaszubski¹, M. McCloskey¹, K. Singleton², M. Mermigas², M. Gillbert³, A. Freeman¹, ¹Pharmacy, Ochsner Medical Center, New Orleans, LA, ²Xavier University of Louisiana College of Pharmacy, New Orleans, LA, ³Surgery, Ochsner Medical Center, New Orleans, LA

5:20 PM - 5:30 PM

Investigating the Association Between Diabetes and Mortality on the Liver Transplant Waitlist within a Large, National, Integrated Healthcare System

J. C. Gander¹, A. Tomimatsu², R. L. LaLonde², C. D. Keagy³, V. Saxena⁴, G. LiBetti², R. Potts², ¹Kaiser Permanente Georgia, Atlanta, GA, ²National Transplant Services, Kaiser Permanente, Oakland, CA, ³Data Reporting and Analytics, Kaiser Permanente Program Office, Oakland, CA, ⁴The Permanente Medical Group, Kaiser Permanente Northern California, San Francisco, CA

Program Topic: Kidney

Recurrent Kidney Disease & Genetics

4:30 PM - 5:30 PM

Moderators:

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

Song Ong, MBBS, MRCP, FAST, University of Alabama at Birmingham, Birmingham, AL, USA

4:30 PM - 4:40 PM

Changes in Endothelial and Proximal Tubule Cells in Focal Segmental Glomerulosclerosis: Single-Cell Resolution of Human Renal Allografts with Recurrent Disease

L. Gallon¹, H. Zubair², A. C. Shetty², J. McDaniels², T. Rousselet², S. Azim², C. Kuscu³, C. Kuscu³, J. Eason⁴, D. Maluf⁵, V. Mas², ¹Northwestern University NMFF, Chicago, IL, ²Surgical Sciences, University of Maryland, Baltimore, MD, ³UTHSC, Memphis, TN, ⁴James D. Eason Transplant Institute, Memphis, TN, ⁵Program in Transplantation, University of Maryland, Baltimore, MD

4:40 PM - 4:50 PM

Identification of Apol1 Genotype with Probe Independent PCR Method: Novel Classification with Haplotypes

M. Dogan, C. Watkins, G. Rucker, J. Eason, A. Bajwa, C. Kuscu, C. Kuscu, *The University of Tennessee Health Science Center, Memphis, TN*

University Hospital, St Louis, MO, ⁵St. Louis University, St Louis, MO, ⁶Transplant Center, Saint Louis University, St. Louis, MO

4:50 PM - 5:00 PM

A CRISPR-Cas-Based Assay to Genotype High-Risk Variants in Kidney Transplantation

I. T. Lape¹, R. Greensmith², C. V. Riella³, M. Kaminski², L. V. Riella¹, ¹*Center for Transplantation Sciences, MGH, Boston, MA*, ²*Charité Hospital, Berlin, Germany*, ³*Nephrology, BIDMC, Boston, MA*

Program Topic: Liver

Liver: Cirrhosis - Portal Hypertension and Other Complications

5:00 PM - 5:10 PM

Recipient Polygenic Risk Scores as a Predictor of Graft Function

K. E. Collins¹, E. Gilbert¹, K. A. Benson¹, G. Lord², E. A. Elhassan³, C. Hill⁴, A. McKnight⁴, P. Maxwell⁴, V. Mauduit⁵, S. Limou⁵, P. J. van der Most⁶, M. H. de Borst⁶, W. Guan⁷, P. Jacobson⁸, G. L. Cavalleri¹, P. J. Conlon⁹, ¹*School of Pharmacy and Biomolecular Sciences, Royal College of Surgeons in Ireland, Dublin, Ireland*, ²*Faculty of Biology, Medicine and Health, University of Manchester, Manchester, United Kingdom*, ³*Department of Nephrology and Transplantation, Beaumont Hospital, Dublin, Ireland*, ⁴*Centre for Public Health, Queen's University Belfast, Belfast, United Kingdom*, ⁵*INSERM, Center for Research in Transplantation and Translational Immunology, Nantes University, Ecole Centrale Nantes, Nantes, France*, ⁶*Department of Epidemiology, University Medical Center Groningen, University of Groningen, Groningen, Netherlands*, ⁷*University of Minnesota, Minneapolis, MN*, ⁸*Univ of MN, College of Pharmacy, Minneapolis, MN*, ⁹*Department of Nephrology and Transplantation, Beaumont Hospital, Co Dublin, Ireland*

4:30 PM - 5:30 PM

Moderators:

Ming Lin, MD, Lahey Hospital & Medical Center, Burlington, MA, USA

Therese Bittermann, MD, University of Pennsylvania, Philadelphia, PA, USA

4:30 PM - 4:40 PM

Terlipressin Improves Clinical Outcomes in Patients with Hepatorenal Syndrome Type 1 and Systemic Inflammatory Response Syndrome: A Pooled Analysis of the Phase III REVERSE and CONFIRM Studies

A. Said¹, N. Kemmer², M. A. Olivera-Martinez³, D. W. Victor⁴, P. J. Zamor⁵, K. Jamil⁶, ¹*University of Wisconsin Hospital and Clinics, Madison, WI*, ²*Tampa General Medical Center, Tampa, FL*, ³*University of Nebraska Medical Center, Omaha, NE*, ⁴*Houston Methodist Hospital, Houston, TX*, ⁵*Atrium Health Carolinas Medical Center, Charlotte, NC*, ⁶*Mallinckrodt Pharmaceuticals, Hampton, NJ*

5:10 PM - 5:20 PM

A Single Center Experience of the First 100 Next-Generation Sequencing Renal Gene Panel Testing During Kidney Transplant Evaluation

S. R. Allam¹, S. Balamuthusamy¹, M. Madhira¹, I. Memon¹, B. Sankarapandian¹, K. Lozano², T. Salas², A. Curtis², J. Guiteau², A. Reyad², ¹*Tarrant Nephrology Associates/PPG Health, Fort Worth, TX*, ²*Transplant Institute, Medical City Fort Worth, Fort Worth, TX*

4:40 PM - 4:50 PM

Liver Transplant Rates and Clinical Outcomes in Patients with Hepatorenal Syndrome Type 1 and ACLF Grade 0-2 and Serum Creatinine (SCr) <5mg/dL at Baseline

F. Gordon¹, P. J. Thuluvath², K. Mumtaz³, D. Victor⁴, N. Kemmer⁵, K. Jamil⁶, ¹*Tufts Medical Center, Boston, MA*, ²*Mercy Medical Center and University of Maryland School of Medicine, Baltimore, MD*, ³*Ohio State University Wexner Medical Center, Columbus, OH*, ⁴*Houston Methodist Hospital, Houston, TX*, ⁵*Tampa General Medical Group, Tampa, FL*, ⁶*Mallinckrodt Pharmaceuticals, Hampton, NJ*

5:20 PM - 5:30 PM

Employing the Evolving Knowledge in Genetic Testing in Evaluating Kidney Transplant Candidates

F. Abualrub¹, Y. Caliskan², V. Fleetwood³, M. D. Nazzal², C. Varma⁴, H. Randall¹, B. Bastani⁵, K. Lentine⁶, ¹*St. Louis University, St. Louis, MO*, ²*Saint Louis University, Saint Louis, MO*, ³*St. Louis University, Madison, WI*, ⁴*St. Louis*

4:50 PM - 5:00 PM

Prolonged Recipient Warm Ischemia Time Increases the Occurrence of Postreperfusion Syndrome in Deceased Donor Liver Transplantation with Extended Criteria Donors

T. Kitajima¹, N. Wickramaratne², K. Miyake², L. Chau³, T. Ivanics⁴, M. Rizzari², A. Yoshida⁵, M. Abouljoud⁶, S. Nagai², ¹*Division of Transplant and Hepatobiliary Surgery, Henry*

Ford Hospital, Detroit, MI, ²Henry Ford Hospital, Detroit, MI, ³Transplant and Hepatobiliary Surgery, Henry Ford Hospital, Detroit, MI, ⁴Surgery, Henry Ford Hospital, Detroit, MI, ⁵Henry Ford Hospital, Grosse Pointe, MI, ⁶Henry Ford Transplant Institute, Detroit, MI

5:00 PM - 5:10 PM

Non-selective Beta Blockers Are Associated With Increased Risk Of Stage 2 Acute Kidney Injury And Waitlist Mortality Among Liver Transplant Candidates
M. Lai, J. Ge, J. Rubin, C. Fenton, J. Lai, G. Cullaro, UCSF, San Francisco, CA

5:10 PM - 5:20 PM

Liver Transplantation Restores a Circulating Environment That Supports Healthy Platelet Aggregation within Two Hours of Reperfusion
H. J. Braun¹, A. T. Fields¹, K. Rodriguez¹, Z. A. Matthay¹, D. Adelman¹, N. L. Ascher², J. P. Roberts², M. Bokoch¹, L. Z. Kornblith¹, ¹University of California, San Francisco, San Francisco, CA, ²University of California-San Francisco, San Francisco, CA

5:20 PM - 5:30 PM

Understanding the Relationship Between Depression and Hepatic Encephalopathy in Decompensated Cirrhosis
K. M. Cooper, A. Colletta, A. Talat, D. Devuni, UMass Chan Medical School, Worcester, MA

Program Topic: Kidney

Health Equity and Access - 2

4:30 PM - 5:30 PM

Moderators:
Silas Norman, MD, Univ of Michigan Medical Ctr, Ann Arbor, MI, USA
David Taber, PharmD, MS, Med University of South Carolina, Charleston, SC, USA

4:30 PM - 4:40 PM

Disparate Impact of Inactive Status on the Kidney Transplant Waitlist Results in Worsening Racial Disparities in Transplant Access
L. Ying¹, K. Ladin², P. Jethwani³, D. Haakinson¹, R. Batra¹, G. Gan¹, Y. Deng¹, S. Kulkarni¹, ¹Yale University School of Medicine, New Haven, CT, ²Tufts University, Medford, MA, ³Medicine, Tennessee Health Center, Memphis, TN

4:40 PM - 4:50 PM

Black Donor Race and Deceased Donor Kidney Utilization

O. Aiyegebusi¹, D. Chang², S. Fakhredine¹, J. Gill¹, ¹University of British Columbia, Vancouver, BC, Canada, ²Providence Health Research Institute, Vancouver, BC, Canada

4:50 PM - 5:00 PM

Long-Term Impact of Immigration Status on Outcomes in Undocumented Pediatric Kidney Transplant Recipients
M. Nunez, M. McEnhill, J. Brennan, T. Shappell, R. Rogers, S. Kinnier, E. Winnicki, P. Stock, UCSF, San Francisco, CA

5:00 PM - 5:10 PM

Transition of Care of Stable Kidney Transplant Patients to Referring Nephrologists: A National Survey of Transplant Centers in the United States
K. L. Lentine¹, N. Singh², K. J. Woodside³, K. Maher⁴, T. Alhamad⁵, R. D. Bloom⁶, D. Dadhania⁷, M. Doshi⁸, G. Gupta⁹, R. Parsons¹⁰, G. Singer¹¹, B. Tanriover¹², A. Waterman¹³, P. Anand¹⁴, ¹Saint Louis University Transplant Center, St. Louis, MO, ²Willis-Knighton Health System, Shreveport, LA, ³Academia Invisus, Ann Arbor, MI, ⁴Saint Louis Univ, Saint Louis, MO, ⁵Washington Univ, St. Louis, MO, ⁶University of Pennsylvania, Philadelphia, PA, ⁷Weill Cornell, New York, NY, ⁸University of Michigan, Ann Arbor, MI, ⁹VCU Health, Richmond, VA, ¹⁰Emory, Atlanta, GA, ¹¹Midwest Nephrology Associates, Saint Peters, MO, ¹²University of AZ, Tuscon, AZ, ¹³Houston Methodist, Houston, TX, ¹⁴MUSC, Lancaster, SC

5:10 PM - 5:20 PM

Persistent Racial Disparities in Delayed Graft Function and Implications for Kidney Transplantation
B. Peticca¹, T. M. Prudencio¹, S. G. Robinson¹, K. Lau², K. Chavin², S. Karhadkar², ¹Lewis Katz School of Medicine at Temple University, Philadelphia, PA, ²Surgery, Temple University Hospital, Philadelphia, PA

5:20 PM - 5:30 PM

Will Transplant Rate Increase for Candidates with Lower Socioeconomic Status If Only Candidates on Dialysis Earned Waiting Time
S. Kian¹, K. Lindblad¹, M. Stuart¹, C. Jordan², C. Lynch², ¹UNOS, Richmond, VA, ²ODU, Norfolk, VA

Program Topic: Intestine

Intestinal Transplantation and Rehabilitation

4:30 PM - 5:30 PM

Moderators:

Rodrigo Vianna, MD, PhD, University of Miami/Jackson Memorial Hospital, Miami, FL, USA
Sukanya Subramanian, MD, Georgetown University Hospital, Washington DC, DC, USA

4:30 PM - 4:40 PM

The First Collective Examination of Immunosuppressive Practices Among American Intestinal Transplant Centers
J. Weiner¹, T. Transplantation Working Group², ¹*Columbia University Irving Medical Center, New York, NY*, ²*The American Intestinal Transplantation Working Group, n/a, NY*

4:40 PM - 4:50 PM

Reduced Access to Multivisceral Transplantation After Liver Acuity Circles Implementation
E. Schnellinger¹, J. Foutz¹, S. Nagai², A. Kwong³, S. Biggins⁴, J. Pomposelli⁵, J. Trotter⁶, ¹*United Network for Organ Sharing, Richmond, VA*, ²*Henry Ford Hospital, Detroit, MI*, ³*Stanford University, Los Altos Hills, CA*, ⁴*University of Washington, Seattle, WA*, ⁵*University of Colorado, Aurora, CO*, ⁶*Baylor University Medical Center, Dallas, TX*

4:50 PM - 5:00 PM

First Report with Medium Term Follow Up of Intestinal Transplantation for Advanced and Recurrent Non-Resectable Pseudomyxoma Peritonei
S. Reddy¹, S. Punjala², P. Allan¹, A. Vaidya¹, D. Borle¹, H. Giele¹, V. Udupa¹, A. Smith¹, L. Vokes¹, G. Vrakas¹, F. Mohamed³, S. Dayal³, B. Moran³, P. Friend⁴, T. Cecil³, ¹*Oxford University Hospitals, Oxford, United Kingdom*, ²*Department of Abdominal Transplant Surgery, Ohio State University Wexner Medical Center, Columbus, OH*, ³*Hampshire Hospitals NHS Foundation Trust, Basingstoke, United Kingdom*, ⁴*University of Oxford, Oxford, United Kingdom*

5:00 PM - 5:10 PM

Outcomes of Small Intestinal/Multi-Visceral Transplant Recipients Infected with Sars-cov-2
V. Chundi¹, F. D. Masoud², S. Subramanian³, C. S. Matsumoto³, J. G. Timpone¹, ¹*Division of Infectious Disease and Tropical Medicine, Medstar Georgetown University, Washington, DC*, ²*Georgetown University School of Medicine, Washington, DC*, ³*Medstar Georgetown Transplant Institute, Washington, DC*

5:10 PM - 5:20 PM

A Risk Factor Analysis of Donor-Specific Factors on One- and Three-Year Post-Transplant Mortality After Multi-Visceral Transplantation

T. Ivanics¹, S. Jafri², Y. Muszkat³, M. Rizzari⁴, M. Abouljoud⁵, A. Yoshida⁶, S. Nagai⁵, ¹*Surgery, Henry Ford Hospital, Detroit, MI*, ²*Henry Ford Health System, Detroit, MI*, ³*Division of Gastroenterology and Hepatology, Henry Ford Hospital, Detroit, MI*, ⁴*Division of Transplant and Hepatobiliary Surgery, Henry Ford Hospital, Detroit, MI*, ⁵*Henry Ford Transplant Institute, Detroit, MI*, ⁶*Henry Ford Hospital, Grosse Pointe, MI*

5:20 PM - 5:30 PM

Paediatric Intestinal Transplantation, Unique Indications and Surgical Innovations. Two Decade Experience in a Single Centre
S. Assia-Zamora, C. Bambridge, M. Cortes Cerisuelo, W. Jassem, A. Dhawan, J. Hind, N. Heaton, H. Vilca-Melendez, *King's College Hospital, London, United Kingdom*

Program Topic: Kidney

Kidney Chronic Antibody Mediated Rejection

4:30 PM - 5:30 PM

Moderators:
Sandesh Parajuli, MD, University of Wisconsin, Madison, WI, USA
Hasan Khamash, MD, Mayo Clinic, Phoenix, AZ, USA

4:30 PM - 4:40 PM

Ibox Prognostication in Kidney Transplant Recipients Who Undergo Belatacept Conversion for Chronic Active Antibody Mediated Rejection
D. Kumar¹, K. Qu², W. Tian², L. Azzouz¹, L. Kamal¹, G. Gupta¹, ¹*VCUHealth, Richmond, VA*, ²*CareDx, Brisbane, CA*

4:40 PM - 4:50 PM

Tocilizumab Use in Chronic Active Antibody Mediated Rejection (caamr): Mitigating Risks with Surveillance Donor Derived Cell Free Dna and Low Dose Strategy
J. Sanchez-Garcia, A. Isom, J. Bryan, B. Dillon, Z. Zafar, D. Morris, S. Anand, *Intermountain Medical Center, Salt Lake City, UT*

4:50 PM - 5:00 PM

Clazakizumab (Anti-IL6 Monoclonal) to Reduce Donor Specific HLA Antibodies (DSA) and Improve Outcomes in Post-Kidney Transplant Patients with Chronic Active Antibody Mediated Rejection (NCT03380377)
S. C. Jordan, N. Ammerman, E. Huang, A. Peng, R. Najjar, I. Kim, K. Hernando, V. Bui, J. Choi, K. Lim, N. Badash, M.

Gillespie, A. Vo, *Cedars-Sinai Medical Center, Los Angeles, CA*

5:00 PM - 5:10 PM

Association of CXCR5 Polymorphisms with Detection of De Novo Donor Specific Antibodies in Kidney Transplant Recipients

K. Ono, K. Ide, R. Nakano, H. Sakai, N. Tanimine, H. Tahara, M. Ohira, Y. Tanaka, H. Ohdan, *Department of Gastroenterological and Transplant Surgery, Graduate School of Biomedical and Health S, Hiroshima University, Hiroshima City, Japan*

5:10 PM - 5:20 PM

Spatial Genomics Analysis of NK Cells and Glomerular Endothelium in Chronic Antibody Mediated Rejection (CAMR)

I. Rosales¹, T. Hether², I. How¹, N. Brousaides¹, S. Kim², S. Murphy², J. Reeves², R. Smith¹, R. Colvin¹, *¹Massachusetts General Hospital, Boston, MA, ²Nanostring Technologies, Inc., Seattle, WA*

5:20 PM - 5:30 PM

Protein and Micro RNA Expression Distinguish Donor Specific Antibody+ Kidney Transplant Recipients with and without Antibody Mediated Rejection

K. Manion¹, T. Chakraborty², S. Clotet-Freixas¹, S. Farkona¹, A. Boshart¹, A. Soosaipillai³, R. John⁴, J. Das², A. Konvalinka⁴, *¹Toronto General Hospital Research Institute, Toronto, ON, Canada, ²University of Pittsburgh School of Medicine, Pittsburgh, PA, ³Mount Sinai Hospital, Toronto, ON, Canada, ⁴Toronto General Hospital, Toronto, ON, Canada*

Program Topic: Infectious Disease

COVID-19 Miscellaneous

4:30 PM - 5:30 PM

Moderators:

Madeleine Heldman, M.D., M.S., Duke University, Durham, NC, USA

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

4:30 PM - 4:40 PM

Deceased Donor Kidney Transplantation in Sars Cov-2 Positive Recipients

K. Curtis, J. Littlejohn, M. Jones-Carr, F. Koller, J. Wynn, P. Matemavi, T. Earl, C. Anderson, P. Vaitla, *University of Mississippi Medical Center, Jackson, MS*

4:40 PM - 4:50 PM

Clinical Characteristics and Clinical Outcomes of Solid Organ Transplant Recipients with Secondary Invasive Fungal Infections After Covid-19

T. Chiang¹, A. Massie¹, D. Segev¹, R. Avery², N. Permpalung², *¹NYU Grossman School of Medicine, New York, NY, ²Johns Hopkins University School of Medicine, Baltimore, MD*

4:50 PM - 5:00 PM

Impact of Covid-19 on Belatacept and Tacrolimus Treated Kidney Transplant Recipients from a Prospective, Randomized, Multicenter Trial

M. P. Chau¹, A. R. Shields¹, R. Alloway¹, K. Lockett¹, M. Cuffy¹, A. Govil¹, J. Kremer², E. Woodle¹, *¹University of Cincinnati, Cincinnati, OH, ²The Christ Hospital, Cincinnati, OH*

5:00 PM - 5:10 PM

Effectiveness and Feasibility of Using Nirmatrelvir/Ritonavir in Solid Organ Transplant Recipients with Mild Covid-19

N. Agarwal¹, N. W. Lange¹, J. Hedvat², M. Pereira³, R. Brown, MD, MPH⁴, D. M. Salerno¹, *¹Pharmacy, NewYork-Presbyterian Hospital, New York, NY, ²NewYork-Presbyterian Hospital, New York, NY, ³Columbia University Irving Medical Center, New York, NY, ⁴Weill Cornell Medicine, New York, NY*

5:10 PM - 5:20 PM

T Cell Repertoire Profiling in Allografts and Native Tissues in Recipients with Covid-19 After Solid Organ Transplantation: Insight Into T Cell-Mediated Allograft Protection from Viral Infection

J. Fu, D. Rust, Z. Fang, W. Jiao, S. Lagana, I. Batal, B. Chen, S. Merl, R. Jones, M. Sykes, J. Weiner, *Columbia Center for Translational Immunology, New York, NY*

5:20 PM - 5:30 PM

Implementation of Clinical Work Flow for Management of Covid Positive Solid Organ Transplant Recipients (sotrs) with Nirmatrelvir/Ritonavir (paxlovid) Across a Wide Geography

M. Bargas-Ochoa, J. Sanchez-Garcia, D. Gopinath, L. Lindberg, S. LeCorhick, Z. Zafar, D. Morris, S. Anand, *Intermountain Medical Center, Salt Lake City, UT*

Program Topic: APP

Clinical Practice

4:30 PM - 5:30 PM

Moderators:

Heidi Sarumi, MMS, PA-C, University of Minnesota,
Minneapolis, MN, USA

Claudia Praglin, ANP-BC, UCSF, San Francisco, CA, USA

4:30 PM - 4:40 PM

Heart-Liver-Kidney Transplantation for AL Amyloidosis
Using Normothermic Recovery and Storage from a Donor
Following Circulatory Death: Short-Term Outcome in a
First-in-World Experience

R. Taj¹, A. Brubaker¹, M. Urey², M. Kearns³, V. Pretorius³,
G. Schnickel¹, ¹Division of Transplant Surgery, UC San
Diego, San Diego, CA, ²Division of Cardiology, UC San
Diego, San Diego, CA, ³Division of Cardiothoracic Surgery,
UC San Diego, San Diego, CA

4:40 PM - 4:50 PM

Pregnancy After Kidney Transplantation- Impact of
Functional Renal Reserve on Allograft Outcome and
Maternal Health

R. Kaatz¹, F. Bachmann², N. Lachmann³, B. Zukunft¹, K.
Wu⁴, D. Schmidt¹, F. Halleck¹, P. Nickel¹, K. Eckardt¹, K.
Budde¹, S. Verlohren⁵, M. Choi¹, ¹Department of
Nephrology and Medical Intensive Care, Charité-
Universitätsmedizin Berlin, Berlin, Germany, ²Charité-
Universitätsmedizin Berlin, Berlin, Germany, ³Tissue
Typing Laboratory, Charité-Universitätsmedizin Berlin,
Berlin, Germany, ⁴Department of Pathology, Charité-
Universitätsmedizin Berlin, Berlin, Germany, ⁵Department
of Obstetrics, Charité-Universitätsmedizin Berlin, Berlin,
Germany

4:50 PM - 5:00 PM

Screening Pattern and Rate of Return to Alcohol Use in
Patients Following Liver Transplantation

N. B. Ha¹, M. J. Duarte¹, C. W. Wang¹, L. X. Deng¹, Y. Jeon¹,
R. Mei¹, T. DeFries², B. Hameed¹, C. B. Sherman¹, ¹Division
of Gastroenterology and Hepatology, Department of
Medicine, University of California, San Francisco, San
Francisco, CA, ²Division of General Internal Medicine,
Department of Medicine, San Francisco General Hospital,
San Francisco, CA

5:00 PM - 5:10 PM

Practice and Challenges of Pancreas Allograft Biopsies: A
Survey of US Transplant Centers

N. Singh¹, R. Parsons², J. Odorico³, K. J. Woodside⁴, V.
Fleetwood⁵, D. Axelrod⁶, T. Alhamad⁷, M. Cooper⁸, A.
Wisniewski⁵, K. L. Lentine, MD, PhD⁹, ¹Willis-Knighton
Health System, Shreveport, LA, ²Emory University School
of Medicine, Atlanta, GA, ³University of Wisconsin

Hospital & Clinic, Madison, WI, ⁴Academia Invisus, Ann
Arbor, MI, ⁵Saint Louis University, Saint Louis, MO,
⁶University of Iowa, Iowa City, IA, ⁷Washington University
School of Medicine at St. Louis, Saint Louis, MO, ⁸MedStar
Georgetown Transplant Institute, Washington, DC, ⁹Saint
Louis University Transplant Center, St. Louis, MO, MO

5:10 PM - 5:20 PM

A Provider Survey on Preparedness Planning Discussions
in Transplantation

K. Sullivan¹, G. Leya², C. Camrie³, R. Mazur³, N. Ufere², L.
Dageforde², J. Jacobsen², N. Elias², ¹Massachusetts
General Hospital, Tufts University School of Medicine,
Boston, MA, ²Massachusetts General Hospital, Boston,
MA, ³Harvard Medical School, Boston, MA

5:20 PM - 5:30 PM

Outcomes of a Structured Transition Program in Liver
Transplant: Extending Transition Into Adult Care for the
Emerging Adult

B. Kosmach-Park¹, J. Kilpatrick², A. Algeo¹, K. Jones¹, L.
Remaley¹, T. Fazzolare¹, N. Elazzazy², N. Jonassaint³, G.
Mazariegos¹, ¹Children's Hospital of Pittsburgh,
Pittsburgh, PA, ²Starzl Transplant Institute, University of
Pittsburgh Medical Center, Pittsburgh, PA, ³University of
Pittsburgh School of Medicine, Pittsburgh, PA

Program Topic: Lung

Complications in Lung Transplantation

4:30 PM - 5:30 PM

Moderators:

Deborah Levine, MD FAST FCCP, Stanford University,
Palo Alto, CA, USA

Lorenzo Zaffiri, MD, PhD, Cedars Sinai, Los Angeles, CA,
USA

4:30 PM - 4:40 PM

Circulating Exosomes with Liver Kinase B1 as a Potential
Predictor for Chronic Lung Allograft Dysfunction
Development in Lung Transplanted Recipients for Cystic
Fibrosis

R. Ravichandran¹, M. Rahman¹, S. Bansal², G. Ratti³, V.
Kaza³, S. Weigt⁴, R. Bremner¹, M. Smith¹, T.
Mohanakumar⁵, ¹St. Joseph's Hospital and Medical Center,
Phoenix, AZ, ²St. Joseph's Hospital and Medical Center,
Phoenix, AZ, ³Univ Texas Southwestern, Dallas, TX, ⁴Univ
of California, Los Angeles, CA, ⁵St. Joseph's Hospital and
Medical Center, Phoenix, AZ

4:40 PM - 4:50 PM

Lymphocyte Count Recovery After Anti-Thymocyte Globulin in Lung Transplant Recipients

T. J. Wert¹, M. C. Morrison¹, S. Hamel¹, S. A. Rega², I. D. Feurer², C. M. Shaver³, ¹Pharmacy, Vanderbilt University Medical Center, Nashville, TN, ²Transplant Center, Vanderbilt University Medical Center, Nashville, TN, ³Allergy, Pulmonary, and Critical Care Medicine, Vanderbilt University Medical Center, Nashville, TN

4:50 PM - 5:00 PM

The Emergence of a Survival Advantage for Bilateral vs. Single Lung Transplant within One Year

D. E. Stewart¹, A. B. Massie², D. Segev², M. Lesko², J. Natalini², J. Chan², S. Chang³, L. Angel², ¹Surgery, NYU Langone Health, New York, NY, ²NYU Langone Health, New York, NY, ³NYU Langone Transplant Institute, New York, NY

5:00 PM - 5:10 PM

Predicting Kidney Injury in Lung Transplant Recipients - A Multicenter Cohort Study

F. E. Hullekes¹, A. Al Jurdi¹, R. Verhoeff¹, H. J. Goldberg², S. P. Berger³, B. C. Keller¹, L. V. Riella¹, ¹Massachusetts General Hospital, Harvard Medical School, Boston, MA, ²Brigham and Women's Hospital, Harvard Medical School, Boston, MA, ³University Medical Center Groningen, Groningen, Netherlands

5:10 PM - 5:20 PM

Evaluation of Risk Factors for Early Post-Operative Acute Kidney Injury After Lung Transplantation

C. Schmidt, J. Lyons, P. Stracener, B. Bemiss, Loyola University Medical Center, Maywood, IL

5:20 PM - 5:30 PM

Complications of Anticoagulation in Lung Transplant Recipients on Concurrent Azole Antifungal Therapy

A. Rubino, K. Cunningham, C. D'Agostino, K. Paplaczky, R. Arora, H. Kleiboeker, A. Prom, C. Kane, Northwestern Memorial Hospital, Chicago, IL

Break

5:30 PM - 5:45 PM

AST Town Hall

5:45 PM - 7:30 PM

AST Town Hall

Tuesday, June 6, 2023

IMPACT Sessions

7:00 AM - 8:00 AM

Program Topic: Kidney

Looking to the Future: Overview of New Consensus Guidelines for Defining BK Viral Disease in Renal Transplant Recipients and Review of Potential New Therapies on the Horizon

7:00 AM - 8:00 AM

Moderators:

Ajit Limaye, MD, University of Washington, Seattle, WA, USA

Hans Hirsch, MD, MSc, University of Basel, Basel, Switzerland

7:00 AM - 7:15 AM

Impact of BK Virus on Renal Transplant Recipients

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

7:15 AM - 7:30 AM

Update on International BKV Guidelines by the TTS Consensus Group

David Wojciechowski, DO, University of Texas Southwestern, Dallas, TX, USA

7:30 AM - 7:45 AM

Overview of Therapies in Development for the Treatment of BK Viremia in Renal Transplant Patients

Sajal Tanna, MD, MPH, Inova, Fairfax, VA, USA

7:45 AM - 8:00 AM

Q&A

Program Topic: Women's Health

Could Frailty Assessment Widen the Sex Gap in Access to Transplantation?

7:00 AM - 8:00 AM

Moderators:

Arpita Basu, MD, MPH, FASN, Emory University School of Medicine, Atlanta, GA, USA

Ana Rossi, MD, MPH, FASN, FAST, Piedmont Transplant Institute, Atlanta, GA, USA

7:00 AM - 7:15 AM

Setting the Stage: Sex Disparities and Frailty in Transplantation

Maria Aurora Posadas Salas, MD, Medical University of South Carolina, Charleston, SC, USA

7:15 AM - 7:30 AM

Pro - Could Frailty Assessment Widen the Sex Gap in Access to Transplantation?

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

7:30 AM - 7:45 AM

Cons - Could Frailty Assessment Widen the Sex Gap in Access to Transplantation?

Mara McAdams DeMarco, PhD, New York University Langone Health, New York, NY, USA

7:45 AM - 7:50 AM

Pro - Rebuttal

7:50 AM - 7:55 AM

Con - Rebuttal

7:55 AM - 8:00 AM

Q&A

Program Topic: Infectious Disease

Role of Virus-Specific T cells in SOT: Too Many Unknowns?

7:00 AM - 8:00 AM

Moderators:

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

Yasar Caliskan, MD, Saint Louis University, Saint Louis, MO, USA

7:00 AM - 7:15 AM

Setting the stage

Deepali Kumar, MD, MSc, FRCPC, FAST, University Health Network Toronto, Toronto, ON, Canada

7:15 AM - 7:30 AM

Role of Virus Specific T cells in SOT: Knowns (Pro)

E. Steve Woodle, MD, University of Cincinnati College of

Medicine, Cincinnati, OH, USA

7:30 AM - 7:45 AM

Role of Virus-Specific T cells in SOT: Unknowns (Con)

David Hildeman, PhD, Cincinnati Children's Hospital, Cincinnati, OH, USA

7:45 AM - 7:50 AM

Rebuttal: Pro

7:50 AM - 7:55 AM

Rebuttal: Con

7:55 AM - 8:00 AM

Q&A

Program Topic: Pediatric

Challenges Posed by Donor - Recipient Size Mismatch in Pediatric Abdominal Organ Transplantation

7:00 AM - 8:00 AM

Moderators:

Caroline Lemoine Lemoine, MD, Ann and Robert H. Lurie Children's Hospital/Northwestern University, Chicago, IL, USA

Kim Olthoff, MD, University of Pennsylvania, Philadelphia, PA, USA

7:00 AM - 7:15 AM

Organ Size Matching in Pediatric Liver Transplantation; Size-Matched Donors Vs. Split Liver Transplantation

Kambiz Etesami, MD, Los Angeles County + USC Medical Center, Los Angeles, CA, USA

7:15 AM - 7:30 AM

Organ Size Matching in Pediatric Kidney Transplantation; Time to Reconsider Utilizing Pediatric Kidneys?

Armando Ganoza, MD, University of Pittsburgh Medical Center - Montefiore, Pittsburgh, PA, USA

7:30 AM - 7:45 AM

Allocation Challenges in Pediatric Kidney Transplantation; Changes That Can Help Prioritize Patients

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

7:45 AM - 8:00 AM

Q&A

Program Topic: Lung

Does Length Really Matter? The Story of Telomere Length and Thoracic Organs

7:00 AM - 8:00 AM

Moderators:

Marie Budev, DO, MPH, Cleveland Clinic, Cleveland, OH, USA

Lavanya Bellumkonda, MD, Yale University School of Medicine, Westport, CT, USA

7:00 AM - 7:15 AM

The Impact of Telomere Length in Thoracic Transplantation

Deborah Levine, MD, Stanford University, Palo Alto, CA, USA

7:15 AM - 7:30 AM

The Shortest Path May Not Be the Right One: The Comprehensive Management of a Lung Transplant Patient with Short Telomere Syndrome

Marie Budev, DO MPH, Cleveland Clinic, Cleveland, OH, USA

7:30 AM - 7:45 AM

Infectious Complications in the Patient with Short Telomeres

Robin Avery, MD, Johns Hopkins University, Baltimore, MD, USA

7:45 AM - 8:00 AM

Q&A

Program Topic: Vascularized Composite Allograft

The Quest for Solutions for the Major VCA Transplant Complications

7:00 AM - 8:00 AM

Moderators:

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

Bruce Gelb, MD, NYU Langone Medical Center, New York, NY, USA

7:00 AM - 7:15 AM

Limiting Immunosuppression Related Side Effects - What is the Current State of Tolerance Protocols for VCA

Recipients?

Christene Huang, PhD, University of Colorado, Denver, Anschutz Medical Campus, Aurora, CO, USA

7:15 AM - 7:30 AM

Avoiding Chronic Rejection - The Status of Cell-Based Therapies, Engineered Scaffolds and 3-D Bioprinting in VCA Transplant

Branislav Kollar, MD, University of Freiburg Medical Center, Freiburg, Germany

7:30 AM - 7:45 AM

Dealing with Graft Loss in VCA Transplant - What the Alternative Treatment Options and What Are the Reconstruction Contingency Plans?

Bruce Gelb, MD, NYU Langone Medical Center, New York, NY, USA

7:45 AM - 8:00 AM

Q&A

Program Topic: Advanced Practice Provider

Measuring Success in Transitioning Youth to Adult Transplant Providers

7:00 AM - 8:00 AM

Moderators:

Susan Diaz, DNP, FNP-BC, CPNP, University of California San Francisco, San Francisco, CA, USA

Jennifer Vittorio, MD, New York University (NYU) Langone Health, New York, NY, USA

7:00 AM - 7:15 AM

Optimizing Readiness: Interventions to Support Self-Management Skills in Transition to Adult Transplant Care
Elizabeth Christofferson, PhD, Children's Hospital Colorado, Aurora, CO, USA

7:15 AM - 7:30 AM

From Here to There: Outcome Parameters to Monitor Successful Transition in Transplant

Bethany M Coyne, PhD, CPNP-PC, RN, University of Virginia, Charlottesville, VA, USA

7:30 AM - 7:45 AM

Does Transition End at Transfer?: Strategies to Promote a Collaborative Partnership between the Young Adult and the Adult Provider

Lindsay King, MD, MPH, Duke University Health System,

Durham, NC, USA

7:45 AM - 8:00 AM
Q&A

Program Topic: Liver

**Liver Transplantation for Acute Alcoholic Hepatitis:
Lessons Recently Learned**

7:00 AM - 8:00 AM

Moderators:

Shannan Tujios, MD, UT Southwestern Medical Center,
Dallas, TX, USA

Thomas Leventhal, MD, University of Minnesota,
Minneapolis, MN, USA

7:00 AM - 7:15 AM

Financial and Psychosocial Issues Pre and Post
Transplant

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

7:15 AM - 7:30 AM

Are There Disparities in Patient Selection

Dilip Moonka, MD, Henry Ford Health System, Detroit, MI,
USA

7:30 AM - 7:45 AM

Do Delays to Decision Making Impact Outcome

Jeffrey Kahn, MD, University of Southern California Keck
School of Medicine, Los Angeles, CA, USA

7:45 AM - 8:00 AM

Q&A

Program Topic: HLA

**Progress in the Application of HLA Epitope Data to
Improve Post-Transplant Risk Assessment**

7:00 AM - 8:00 AM

Moderators:

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

Carrie Schinstock, MD, Mayo Clinic, Rochester, MN, USA

7:00 AM - 7:15 AM

A Path to Building a National HLA Epitope Matching
Strategy

Ruth Sapir-Pichhadze, MD MSc PhD FRCPC, McGill
University, Montreal, QC, Canada

7:15 AM - 7:30 AM

A Comparison of the Different Tools Used For Modern
Calculation of HLA Mismatches

Chris Wiebe, MD, FRCPC, University of Manitoba,
Winnipeg, MB, Canada

7:30 AM - 7:45 AM

Down to the Details: Potential Pitfalls and Limitations of
HLA-Epitope Matching

Anat Tambur, PhD, DMD, Northwestern University,
Chicago, IL, USA

7:45 AM - 8:00 AM

Q&A

Program Topic: Kidney

**Understanding and Communicating Risk: Who to
Test and How to Incorporate APOL1 Results in the
Care of Living Kidney Donors**

7:00 AM - 8:00 AM

Moderators:

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

Daniel Brennan, MD, FACP, Johns Hopkins Medical
Institute, Baltimore, MD, USA

7:00 AM - 7:15 AM

An Overview of ESRD and Transplantation Rates in Blacks
and the Status of APOL1 Testing

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

7:15 AM - 7:30 AM

Should Potential African American Kidney Donors be
Routinely Tested for the APOL1 Gene?

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

7:30 AM - 7:45 AM

Is Increased ESRD Risk in Black Kidney Donors an Ethical
Problem? Potential Solutions

Peter Reese, MD, PhD, FAST, University of Pennsylvania,
Philadelphia, PA, USA

7:45 AM - 8:00 AM
Q&A

Program Topic: Basic Science

Pregnancy and Tolerance

7:00 AM - 8:00 AM

Moderators:

Amandeep Bajwa, PhD, The University of Tennessee
Health Science Center, Memphis, TN, USA
Olivia Martinez, Stanford University, Stanford, CA, USA

7:00 AM - 7:15 AM

Pregnancy Induced Humoral Sensitization and T cell
Tolerance
Anita Chong, PhD, The University of Chicago, Chicago, IL,
USA

7:15 AM - 7:30 AM

CD8 T Cell Exhaustion
Paige Porrett, MD, PhD, University of Alabama at
Birmingham, Birmingham, AL, USA

7:30 AM - 7:45 AM

The Unique Immunological and Microbial Aspects of
Pregnancy
Gil Mor, MD/PhD, Wayne State University, Detroit, MI, USA

7:45 AM - 8:00 AM

Q&A

Program Topic: Intestine

Disparities in Intestinal Failure and Transplant:
Where are We and How Do We Improve?

7:00 AM - 8:00 AM

Moderators:

Maria Segovia, MD, Duke University, Chapel Hill, NC, USA
Keri Lunsford, MD, PhD, FACS, Rutgers New Jersey
Medical School, Newark, NJ, USA

7:00 AM - 7:15 AM

Disparity in Access to Intestinal Rehabilitation Centers
Alisha Mavis, MD, Duke University, Durham, NC, USA

7:15 AM - 7:30 AM

Disparity in Access to TPN

Syed-Mohammed Jafri, MD, Henry Ford Hospital, Detroit,
MI, USA

7:30 AM - 7:45 AM

Disparity and Best Practice of Intestine Transplant
Cal Matsumoto, MD, Georgetown Transplant Institute,
Washington, DC, USA

7:45 AM - 8:00 AM

Q&A

Break

8:00 AM - 8:15 AM

Plenary Oral Abstract Session

8:15 AM - 9:15 AM

Program Topic: All Topics

Plenary Oral Abstract Session 3

8:15 AM - 9:15 AM

Moderators:

Elizabeth Pomfret, MD, PhD, University of Colorado,
Aurora, CO, USA
Josh Levitsky, MD, MS, FAST, FAASLD, northwestern,
Evanston, IL, USA

8:15 AM - 8:30 AM

Infections After Kidney Transplantation from Donors with
Hiv to Recipients with Hiv: Results from the Multicenter
Hope in Action Study
W. Werbel¹, T. Liang², M. Rana³, S. Florman³, R. Friedman-
Moraco⁴, A. Gilbert⁵, P. Stock⁶, S. Mehta⁷, H. Neumann⁷, S.
Mehta⁸, V. Stosor⁹, M. Pereira¹⁰, M. Morris¹¹, J. Hand¹², J.
Schaenman¹³, S. Aslam¹⁴, M. Malinis¹⁵, G. Haidar¹⁶, C.
Small¹⁷, C. Santos¹⁸, J. Castillo-Lungo¹⁹, O. Adebij²⁰, J.
Baddley²¹, K. Ranganna²², E. Blumberg²³, D.
Wojciechowski²⁴, J. Odum²⁵, A. Massie⁷, D. Segev⁷, C.
Durand², ¹Johns Hopkins, Baltimore, MD, ²J Hopkins,
Baltimore, MD, ³Mt. Sinai, NY, NY, ⁴Emory, ATL, GA,
⁵Georgetown, DC, DC, ⁶UCSF, San Francisco, CA, ⁷NYU,
NY, NY, ⁸UAB, Birmingham, AL, ⁹Northwestern, CHI, IL,
¹⁰Columbia, NYC, NY, ¹¹UMiami, Miami, FL, ¹²Ochsner, New
Orleans, LA, ¹³UCLA, Los Angeles, CA, ¹⁴UCSD, San
Diego, CA, ¹⁵Yale, New Haven, CT, ¹⁶UPMC, Pittsburgh, PA,
¹⁷Cornell, NY, NY, ¹⁸Rush, CHI, IL, ¹⁹Methodist, Dallas, TX,
²⁰Indiana U, Indianapolis, IN, ²¹UMaryland, Baltimore, MD,
²²Drexel, PHL, PA, ²³UPenn, PHL, PA, ²⁴UTSW, Dallas, TX,

²⁵NIH, Bethesda, MD

8:30 AM - 8:45 AM

Multiscale Genetic Architecture of Donor-Recipient Differences Reveals Intronic Lims1 Locus Mismatches Associated with Long-Term Renal Transplant Survival
M. Menon¹, Z. Zhang², K. Banu³, I. Gibson⁴, R. Colvin⁵, Z. Yi², W. Zhang², L. Gallon⁶, P. O'Connell⁷, J. Pober³, P. Heeger⁸, M. Menon³, ¹*Yale School of Medicine, New Haven, CT*, ²*Icahn School of Medicine at Mount Sinai, New York City, NY*, ³*Yale University School of Medicine, New Haven, CT*, ⁴*Max Rady College of Medicine, Edmundston, MB, Canada*, ⁵*Massachusetts General Hospital, Boston, MA*, ⁶*Northwestern University NMFF, Chicago, IL*, ⁷*University of Sydney, NSW, Australia*, ⁸*Cedars-Sinai Medical Center, West Hollywood, CA*

8:45 AM - 9:00 AM

Pilot, Open, Randomized, Multicenter Trial for the Comparison of Hypothermic versus Normothermic Ex-Situ Liver Preservation in DCD Liver Transplantation with Extended Ischemia Time (dcdnet Trial)
D. Ghinolfi, F. Torri, P. De Simone, *Azienda Ospedaliera Universitaria Pisana, Pisa, Italy*

9:00 AM - 9:15 AM

Experimental Evidence of the Essential Role of Pulmonary Lymphatics and Their Expression of LTbR in Protection Against Development of Chronic Lung Allograft Dysfunction (CLAD)
W. W. Hancock¹, L. Wang², R. Han², A. Tumanov³, H. Outtz Reed⁴, ¹*Pathology and Laboratory Medicine, Children's Hospital of Philadelphia & University of Pennsylvania, Philadelphia, PA*, ²*Pathology and Laboratory Medicine, Children's Hospital of Philadelphia, Philadelphia, PA*, ³*University of Texas Health Science Center at San Antonio, San Antonio, TX*, ⁴*Department of Medicine, Weill Cornell Medicine, New York, NY*

AST Research Grants Recognition

9:15 AM - 9:45 AM

Program Topic: All Topics

AST Research Grants Recognition

Sponsor Networking

9:45 AM - 10:25 AM

Program Topic: All Topics

Sponsor Networking

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

Product Theater

9:45 AM - 10:15 AM

Program Topic: All Topics

Product Theater: Current and Future Research at Eurofins Transplant Diagnostics Sponsored by Eurofins Transplant Genomics

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

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

Poster Session D

9:45 AM - 10:25 AM

Program Topic: All Topics

Poster Session D Presenters in Attendance

- **Basic Science:** Treg / Other Regulatory Cell / Tolerance
- **Basic Science:** Vascular, Lymphatic, Stromal and Parenchymal Cell Biology
- **Basic Science:** Xenotransplantation
- **Basic Science:** B-cell / Antibody / Autoimmunity
- **Basic Science:** Tissue Engineering, Cellular, and Regenerative Medicine
- **Basic Science:** Machine Perfusion and Organ Rehabilitation - Basic
- **Basic Science:** Histocompatibility and Immunogenetics

- **Basic Science:** Immunosuppression & Tolerance: Preclinical & Translational Studies
- **Basic Science:** Ischemia Reperfusion
- **VCA**
- **Psychosocial & Ethics:** Psychosocial and Treatment Adherence
- **Psychosocial & Ethics:** Non-Organ Specific: Economics & Ethics
- **Psychosocial and Ethics:** Non-Organ Specific: Equity and Ethics
- **Infectious Disease:** Other Infection Including Heart and Lung
- **Pharmacy:** Non-Organ Specific: Pharmacokinetics / Pharmacogenomics / Drug interactions
- **Kidney:** Kidney Technical
- **Kidney:** Acute Cellular Rejection
- **Kidney:** Pediatrics
- **Kidney:** Kidney Living Donor: Long Term Outcomes
- **Kidney:** Kidney Living Donor: Selection
- **Kidney:** Kidney Psychosocial
- **Kidney:** Recurrent Kidney Disease & Genetics
- **Liver:** Surgery Innovative Techniques
- **Liver:** Retransplantation and Other Complications
- **Liver:** Living Donor Liver Transplant and Partial Grafts
- **Liver:** Recipient Selection
- **Organ Inclusive:** Transplant Oncology

IMPACT Sessions

10:25 AM - 11:25 AM

Program Topic: Advanced Practice Provider

Managing Comorbidities Pre- and Post-Transplant

10:25 AM - 11:25 AM

Moderators:

Eliana Agudelo, PA-C, UCSF, San Francisco, CA, USA

Laurie Larson, ACNP, University of Minnesota, Minneapolis, MN, USA

10:25 AM - 10:40 AM

A Large Problem in Transplant: the Obesity Epidemic

Lisa Catalli, MSN, NP-C, UCSF, San Francisco, CA, USA

10:40 AM - 10:55 AM

Not So Sweet: Diabetes in Transplant Patients

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

10:55 AM - 11:10 AM

The Heart of the Matter: Cardiovascular Disease in Transplant

Shahzia Lakhani, ACNP-BC, MedStar Georgetown Transplant Institute, Washington, DC, USA

11:10 AM - 11:25 AM

Q&A

Program Topic: Kidney

The Art and Science of Kidney Offer Decision-Making

10:25 AM - 11:25 AM

Moderators:

Matthew Cooper, MD, Medical College of Wisconsin, Milwaukee, WI, USA

Darren Stewart, MS, NYU Langone Health, New York, NY, USA

10:25 AM - 10:40 AM

Predictive Analytics, Tools, and Calculators for Evidence-Based Decision-Making

Allan Massie, PhD, NYU Langone Health, New York, NY, USA

10:40 AM - 10:55 AM

What Role should Procurement Biopsies have in Kidney Utilization Decisions?

Gaurav Gupta, MD, Virginia Commonwealth University, Richmond, VA, USA

10:55 AM - 11:10 AM

Patient-specific Mortality and Time-to-Next-Offer

Predictions to Aid Decision-Making: The OPTN's DonorNet Predictive Analytics Project

Sumit Mohan, MD, MPH, Columbia University College of Physicians and Surgeons, New York, NY, USA

11:10 AM - 11:25 AM

Q&A

Program Topic: Basic Science

Emerging Concepts in Senescence and Immune Aging

10:25 AM - 11:25 AM

Moderators:

Olivia Martinez, Stanford University, Stanford, CA, USA

Paige Porrett, MD, PhD, University of Alabama at Birmingham, Birmingham, AL, USA

10:25 AM - 10:40 AM

Impact of Aging on the Immune System and its Relevance to Transplantation

John Greenland, MD, PhD, University of California, San Francisco, CA, USA

10:40 AM - 10:55 AM

Senescence and Aging in Transplantation

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

10:55 AM - 11:10 AM

Cellular Senescence

Jan Van Deursen, PhD, Unity Biotechnology, Rochester, MN, USA

11:10 AM - 11:25 AM

Q&A

Program Topic: Heart

Buy One Get One Free? Assessing Renal Function in Heart Failure to Define Thresholds for Combined Heart-Kidney Transplant

10:25 AM - 11:25 AM

Moderators:

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

Mirnela Byku, MD, PhD, University of North Carolina at Chapel Hill, Chapel Hill, NC, USA

10:25 AM - 10:40 AM

Oldie but a Goodie - Creatinine Based GFR in Advanced HF

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

10:40 AM - 10:55 AM

New Kids on the Block - Cystatin C and Nuclear GFR Role

in Fine Tuning Renal Function Assessment

Xingxing Cheng, MD, Stanford University, Redwood City, CA, USA

10:55 AM - 11:10 AM

It Takes Two to Feel Safe - When will We need a Kidney with the Heart?

Maryjane Farr, MD, MSc, FACC, FAST, University of Texas Southwestern, Dallas, TX, USA

11:10 AM - 11:25 AM

Q&A

Program Topic: Psychosocial and Ethics

Promoting Equity in Kidney and Liver Transplantation for Minoritized Populations

10:25 AM - 11:25 AM

Moderators:

Alexandra Strauss, MD, PhD, MIE, Johns Hopkins University, Baltimore, MD, USA

Wendy Balliet, PhD, Medical University of South Carolina, Charleston, SC, USA

10:25 AM - 10:40 AM

Health Disparities in Transplant Among Latinx/Hispanic Populations

Rebeca Castellanos, PhD, Medical University of South Carolina, Charleston, SC, USA

10:40 AM - 10:55 AM

Trends in Gender Disparities in Transplant Access and Outcomes

Silvi Shah, MD MS, University of Cincinnati, Cincinnati, OH, USA

10:55 AM - 11:10 AM

The Multi-Level Perspective of Disparities in Liver Transplantation

Lisa McElroy, MD MS, Duke, Durham, NC, USA

11:10 AM - 11:25 AM

Q&A

Program Topic: Liver

Liver Transplantation in Critically ill Patients with Cirrhosis (ACLF)

10:25 AM - 11:25 AM

Moderators:

Justin Boike, MD, MPH, Northwestern University, Chicago, IL, USA

Robert Rahimi, MD, MSCR, Baylor Dallas, Dallas, TX, USA

10:25 AM - 10:40 AM

ACLF vs Decomp Cirrhosis: Definitions and Differences

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

10:40 AM - 10:55 AM

ACLF- Current Management and Beyond

Christina Lindenmeyer, Cleveland Clinic, Cleveland, OH, USA

10:55 AM - 11:10 AM

ACLF in LT: Who, When, and Where is the Point of Futility

Lance Stein, MD, Piedmont Transplant Institute, Piedmont Atlanta Hospital, Atlanta, GA, USA

11:10 AM - 11:25 AM

Q&A

Program Topic: Pediatric

Building a Sustainable Pediatric Transplant Workforce

10:25 AM - 11:25 AM

Moderators:

Roshan George, MD, Emory University & Children's Healthcare of Atlanta, Atlanta, GA, USA

Burnett Kelly, MD, MBA, FACS, FAST, DCI Donor Services, Inc., Sacramento, CA, USA

10:25 AM - 10:40 AM

Systemic Factors Contributing to Workforce Decline

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

10:40 AM - 10:55 AM

Changing the Face of Mental Health in Health Care Providers

Justin Bullock, MD, MPH, University of Washington, Seattle, WA, USA

10:55 AM - 11:10 AM

Recognizing and Preventing Burnout

Katherine Twombly, MD, Medical University of South Carolina, Charleston, SC, USA

11:10 AM - 11:25 AM

Q&A

Program Topic: Translational

Expansion of the Use of CAR-T Therapy in Transplantation

10:25 AM - 11:25 AM

Moderators:

James Mathew, PhD, Northwestern University, Chicago, IL, USA

Mohamed Sayegh, MD, Brigham & Women's Hospital, Boston, MA, USA

10:25 AM - 10:40 AM

Use of CAR-T Therapy in Solid Organ Transplant

Recipients With Refractory Posttransplant

Lymphoproliferative Disorder

Tarek Alhamad, MD, Washington University School of Medicine at St. Louis, Manchester, MO, USA

10:40 AM - 10:55 AM

Tregs to Treat GvHD

Everett Meyer, MD, PhD, Stanford University, Stanford, CA, USA

10:55 AM - 11:10 AM

Use of Polyfunctional CAR-T Cells Targeting Glypican-3 to

Eliminate Hepatocellular Carcinoma

Mitchell Ho, PhD, National Cancer Institute, NIH, Bethesda, MD, USA

11:10 AM - 11:25 AM

Q&A

Program Topic: Liver

Expanding the Liver Donor Pool: Living or DCD Donors, What is the Best Strategy?

10:25 AM - 11:25 AM

Moderators:

George Loss, MD, PhD, Ochsner Multi-Organ Transplant Institute, New Orleans, LA, USA

Caroline Jadowiec, MD, Mayo Clinic Arizona, Phoenix, AZ, USA

10:25 AM - 10:40 AM

Current Status and Future Directions to Address the Ongoing Organ Shortage for Liver Transplantation

Amar Gupta, MD, Baylor University Medical Center/Baylor Simmons Transplant Institute, Dallas, TX, USA

10:40 AM - 10:55 AM

Possible DCD Liver? Sign Me Up

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

10:55 AM - 11:10 AM

Living Liver Donation is the Way to Go

Koji Hashimoto, MD, PhD, Cleveland Clinic, Cleveland, OH, USA

11:10 AM - 11:25 AM

Q&A

Program Topic: Pharmacy

An Update from TPAC (Transplant Pharmacy Adherence Consortium) on Transplant Adherence: Sharing Published Experiences and Lessons Learned

10:25 AM - 10:40 AM

Moderators:

Jennifer Melaragno, PharmD, University of Rochester Medical Center, Rochester, NY, USA

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

10:25 AM - 10:40 AM

Describe Current Center Practice and Perceptions Regarding Transplant Medication Nonadherence: Results of a Survey.

Jillian Fose, PharmD, University of Wisconsin Hospital and Clinics, Verona, WI, USA

10:40 AM - 10:55 AM

Is Pre-transplant Home-based Video Education Effective? Results from a Multicenter RCT (funded by TIRN grant)

Holly Mansell, PharmD, University of Saskatchewan,

Saskatoon, SK, Canada

10:55 AM - 11:10 AM

Does Non-Adherence to Laboratory and Clinical Follow up Impact Medication Nonadherence?

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

11:10 AM - 11:25 AM

Q&A

Program Topic: Infectious Disease

Innovations in Transplant ID Medical Education

10:25 AM - 11:25 AM

Moderators:

Varun Phadke, MD, Emory University, Decatur, GA, USA

Todd McCarty, MD, UAB, Birmingham, AL, USA

10:25 AM - 10:40 AM

Creating Online Educational Resources for Transplant ID
Yoram Puius, MD, PhD, Albert Einstein College of Medicine, Montefiore Medical Center, Bronx, NY, USA

10:40 AM - 10:55 AM

Using Podcasts as a Teaching Tool

Sara Dong, MD, Beth Israel Deaconess Medical Center & Boston Children's Hospital, Boston, MA, USA

10:55 AM - 11:10 AM

Developing a Curriculum for a Transplant ID Fellowship Program

Raymund Razonable, MD, Mayo Clinic College of Medicine, Rochester, MN, USA

11:10 AM - 11:25 AM

Q&A

Program Topic: Kidney

Emerging Tools to Improve Defining and Managing T Cell Mediated Rejection

10:25 AM - 11:25 AM

Moderators:

Evan Farkash, MD, PhD, FAST, Michigan Medicine, Ann Arbor, MI, USA

Sundaram Hariharan, MD, Starzl Transplant Institute, Univ of Pittsburgh Med Center, Pittsburgh, PA, USA

10:25 AM - 10:40 AM

How Best to Assess the Reversibility of TCMR
Chris Wiebe, MD, University of Manitoba, Winnipeg, MB, Canada

10:40 AM - 10:55 AM

Emerging Diagnostic Technologies Playing a Role on Rejection Resolution Assessment
Philip Halloran, MD, University of Alberta, Edmonton AB, AB, Canada

10:55 AM - 11:10 AM

Towards an Improved Diagnostic Standard for Kidney Transplant Rejection: Reflections on the Banff Classification and Precision Medicine Approaches
Roslyn Mannon, MD, FAST, University of Nebraska Medical Center, Omaha, NE, USA

11:10 AM - 11:25 AM

Q&A

Break

11:25 AM - 11:30 AM

ASTS Research Grants Recognition

11:30 AM - 12:00 PM

ASTS Research Grants Recognition

State-of-the-Art Lecture #2

12:00 PM - 12:30 PM

Program Topic: All Topics

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

Sponsored by the Terasaki Innovation Center

12:00 PM - 12:02 PM

Introduction
Andrew Adams, MD, PhD, University of Minnesota Medical Center Fairview, Minneapolis, MN, USA

12:00 PM - 12:30 PM

Growing Organs In Vivo: iPS Cell-derived Xeno-created Organs for Transplantation
Hiro Nakauchi, MD, PhD, Institute for Stem Cell Biology and Regenerative Medicine, Stanford University School of Medicine, Stanford, CA, USA

Break

12:30 PM - 12:45 PM

Sponsored Satellite Symposia

12:45 PM - 1:45 PM

Program Topic: All Topics

What's New, and What's Next? Customizing COVID-19 Prevention Approaches in Transplant Patients to Increase Uptake, Access, and Efficacy Supported by an independent educational grant from AstraZeneca LP

A Closer Look at Co-Stimulation Blockade in Organ Transplantation Supported by and independent educational grant from Veloxis

Incorporating New Therapies to Hone the Treatment of Resistant or Refractory CMV in the Post-SOT Setting Supported by an independent educational grant from Takeda

Symposia will take place at the Manchester Grand Hyatt Hotel. These symposia 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.

Meet the Expert Sessions

12:45 PM - 1:45 PM

Program Topic: Professional Development

Assessing and Mitigating Burnout of the Transplant Professional

12:45 PM - 1:45 PM

Moderators:

Jennifer Melaragno, PharmD, University of Rochester,
Rochester, NY, USA
Al-Faraaz Kassam, MD, MBA, UC Health, Cincinnati, OH,
USA

12:45 PM - 1:00 PM

Clinician Burnout in Transplant

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

1:00 PM - 1:15 PM

Pharmacist Burnout in Transplant

Alicia Lichvar, PharmD, MS, University of California San
Diego Health, La Jolla, CA, USA

1:15 PM - 1:30 PM

Nursing Burnout in Transplant

Rebecca Duke, DNP, MSN, APRN-CNP, Northwestern
Memorial Hospital, Chicago, IL, USA

1:30 PM - 1:45 PM

Psychology of Burnout

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

Program Topic: Psychosocial and Ethics

Being the Rainbow in Someone Else's Cloud:
Optimizing Care for LGBTQ Transplant Patients and
Supporting LGBTQ Providers

12:45 PM - 1:45 PM

Moderators:

Mitchell Lunn, MD, MAS, FASN, FACP, Stanford
University, Palo Alto, CA, USA
Samira Farouk, MD, MSCR, FASN, Icahn School of
Medicine at Mount Sinai, New York, NY, USA

12:45 PM - 1:00 PM

Providing LGBTQ Inclusive Transplant Care: The Patient
Perspective

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

1:00 PM - 1:15 PM

Providing LGBTQ Inclusive Transplant Care: The Provider
Perspective

Tzu-Hao (Howard) Lee, MD, Baylor College of Medicine,

Houston, TX, USA

1:15 PM - 1:30 PM

Using an Intersectionality Framework to Address Access
to Care for Gender Diverse Patients

Camilla Nonterah, PhD, University of Richmond,
Richmond, VA, USA

1:30 PM - 1:45 PM

Q&A

Program Topic: Liver

Challenging Issues for Growing your Program

12:45 PM - 1:45 PM

Moderators:

Benjamin Samstein, MD, Weill Cornell Medicine
Amit Nair, MD, University of Rochester Medical Center,
Rochester, NY, USA

12:45 PM - 1:00 PM

Non-Directed Donors in LDLT

Nazia Selzner, MD, PhD, Toronto General Hospital,
Toronto, ON, Canada

1:00 PM - 1:15 PM

Pre- and Post-Donation Interventions to Improve Living
Donor Candidacy in Obese Individuals

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

1:15 PM - 1:30 PM

Outcomes of LDLT from Obese Donors

Alexandra Shingina, MD, MSc, VUMC, Nashville, TN, USA

1:30 PM - 1:45 PM

Q&A

Program Topic: Infectious Disease

Transplantation and COVID-19 - Challenges and
Controversies

12:45 PM - 1:45 PM

Moderators:

Max Weder, MD, University of Virginia, Charlottesville, VA,
USA

Michael Ison, MD, MS, Respiratory Diseases Branch,
NIH/NIAID/DMID, Bethesda, MD, USA

12:45 PM - 1:00 PM

Transplant for COVID-related Lung Disease: Candidate
Selection and Outcomes

Saima Aslam, MBBS, University of California San Diego,
San Diego, CA, USA

1:00 PM - 1:15 PM

COVID-19 in Organ Donors and Wait-listed Patients
Emily Eichenberger, MD MHS, Emory University School of
Medicine, Atlanta, GA, USA

1:15 PM - 1:45 PM

Q&A

Program Topic: Pancreas

Improved Access to Pancreas Transplant: A
Collaborative Effort of Endocrinologist, Nephrologist,
and Surgeons

12:45 PM - 1:45 PM

Moderators:

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

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

12:45 PM - 1:00 PM

Will This Patient Benefit from Pancreas Transplant? -
Endocrinologist Perspective

Meaghan Stumpf, MD, University of Virginia,
Charlottesville, VA, USA

1:00 PM - 1:15 PM

Will This Patient Benefit From Pancreas Transplant? -
Nephrologist Perspective

Samy Riad, MD, MS, University of Minnesota, Rochester,
MN, USA

1:15 PM - 1:30 PM

Will This Patient Benefit From Pancreas Transplant? -
Surgeon Perspective

Rachel Forbes, MD, MBA, FACS, Vanderbilt University
Medical Center, Nashville, TN, USA

1:30 PM - 1:45 PM

Q&A

Break

1:45 PM - 2:00 PM

IMPACT Sessions

2:00 PM - 3:00 PM

Program Topic: Intestine

Anthropometrics / Sarcopenia Evaluation in the
Intestinal Rehabilitation and Transplant Population

2:00 PM - 3:00 PM

Moderators:

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

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

2:00 PM - 2:15 PM

Sarcopenia and Anthropometrics: Definitions and
Measurements

Thomas Pietrowsky, MS, RD, CCTD, Henry Ford Hospital,
Detroit, MI, USA

2:15 PM - 2:30 PM

Anthropometrics: Use in the Intestinal Failure Population

Kishore Iyer, FACS, MBBS, FRCS, Mount Sinai Medical
Center, New York, NY, USA

2:30 PM - 2:45 PM

Anthropometrics in the Intestinal Transplant Population

Shaheed Merani, MD, PhD, FRCSC, FACS, University of
Nebraska Medical Center, Omaha, NE, USA

2:45 PM - 3:00 PM

Q&A

Program Topic: Basic Science

Monitoring Rejection and Tolerance Through High
Throughput TcR Sequencing

2:00 PM - 3:00 PM

Moderators:

Tomoaki Kato, MD, MBA, Columbia University, New York,
NY, USA

Angus Thomson, PhD, DSc, FRCPath, FAST, Thomas E.
Starzl Transplantation Institute, Pittsburgh, PA, USA

2:00 PM - 2:15 PM

TcR Sequencing of Biopsies for Diagnosing Rejection
Tiffany Shi, B.S., Cincinnati Children's Hospital Medical
Center, Cincinnati, OH, USA

2:15 PM - 2:30 PM

Non-invasive Diagnosis of Rejections in Blood and Urine
by Monitoring Donor Reactive T Cell Clones
James Mathew, PhD, Northwestern University, Chicago,
IL, USA

2:30 PM - 2:45 PM

Monitoring Tolerance Through High Throughput TcR
Sequencing.
Jianing Fu, PhD, Columbia University Irving Medical
Center, New York, NY, USA

2:45 PM - 3:00 PM

Q&A

**Program Topic: Advanced Practice Provider &
Psychosocial and Ethics**

Caring for Gender Diverse Patients

2:00 PM - 3:00 PM

Moderators:
Roshan George, MD, Children's Healthcare of Atlanta,
Atlanta, GA, USA
Lisa Coscia, RN, BSN, CCTC, Transplant Pregnancy
Registry International, Philadelphia, PA, USA

2:00 PM - 2:15 PM

Introduction, Definitions, Terms, Pronouns
JoAnne Goodall, CRNP, Children's Hospital of Pittsburgh,
Pittsburgh, PA, USA

2:15 PM - 2:30 PM

Approach to Care of Transgender Patient
Maja Marinkovic, MD, University of California San Diego,
San Diego, CA, USA

2:30 PM - 2:45 PM

Potential Challenges in Transplant Medication
Management and Implications of Sex on Drug Dosing in
This Population
Jennifer Trofe-Clark, PharmD, University of Pennsylvania,
Philadelphia, PA, USA

2:45 PM - 3:00 PM

Q&A

Program Topic: Other

Hospital Based Donor Recovery Centers

2:00 PM - 3:00 PM

Moderators:
Jennifer Pavone, MS, RN, AGACNP-BC, NYU Langone
Health, New York, NY, USA
Richard Hasz, CPTC, MFS, Gift of Life Donor Program,
Philadelphia, PA, USA

2:00 PM - 2:15 PM

Implementation of a Transplant Hospital Based Donor
Recovery Center
Jennifer Milton, BSN, MBA, University Health Transplant
Institute, San Antonio, TX, USA

2:15 PM - 2:30 PM

The Role of the Intensivist and Clinical Donor
Management Protocols
Niels Martin, MD, University of Pennsylvania, Philadelphia,
PA, USA

2:30 PM - 2:45 PM

Unique Research Opportunities Facilitated by a DRC
Emily Vail, MD, MSc, University of Pennsylvania,
Philadelphia, PA, USA

2:45 PM - 3:00 PM

Q&A

Program Topic: Basic Science

**Late Breaking IMPACT: Transplantation
Nanomedicine - The New Frontier**

2:00 PM - 3:00 PM

Moderators:
Vijay Gorantla, MD, PhD, FRCS, Wake Forest Institute for
Regenerative Medicine, Winston-Salem, NC, USA
Kim Solez, MD, University of Alberta, Edmonton, AB,
Canada

2:00 PM - 2:15 PM

Advanced Nanocarriers for Ischemia Mitigation and
Prolonged Ex Vivo Organ Transplant Preservation

Jelena Janjic, PharmD, PhD, Duquesne University,
Pittsburgh, PA, USA

2:15 PM - 2:30 PM

Advances in Transplant Targeted Immunosuppression
Using Nanotechnology Strategies
Phil Campbell, PhD, Carnegie Mellon University,
Pittsburgh, PA, USA

2:30 PM - 2:45 PM

Nanobiomaterials for Transplant Immunomodulation -
Potential and Promise
Vijay Gorantla, MD, PhD, FRCS, Wake Forest Institute for
Regenerative Medicine, Winston-Salem, NC, USA

2:45 PM - 3:00 PM

Q&A

Program Topic: Translational

Screening and Therapeutic Options for Graft Versus
Host Disease in Solid Organ Transplant

2:00 PM - 3:00 PM

Moderators:
Lorenzo Gallon, MD, Northwestern University, Chicago, IL,
USA
Nadiesda Costa, MD, MPH, Medstar Georgetown
Transplant Institute, Washington, DC, USA

2:00 PM - 2:15 PM

Monitoring for Graft Versus Host Disease in Solid Organ
Transplant: Make it a Routine
Christina Lindenmeyer, MD, Cleveland Clinic, Cleveland,
OH, USA

2:15 PM - 2:30 PM

Utility of Blood Chimerism for Monitoring and Detection of
Graft Versus Host Disease in SOT
Joseph Leventhal, MD, PhD, Northwestern Medicine,
Chicago, IL, USA

2:30 PM - 2:45 PM

HSCT as Salvage Therapy in SOT Recipients
Jason Cooper, MD, PhD, University of Washington,
Seattle, WA, USA

2:45 PM - 3:00 PM

Q&A

Program Topic: Kidney

Allocating End-of-Chain Kidneys in Paired Exchange:
Where Should the Kidney Go?

2:00 PM - 3:00 PM

Moderators:
Stephanie Yi, MD, FACS, MPH, Houston Methodist
Hospital, Houston, TX, USA
Elizabeth Thomas, DO, University of Texas Health San
Antonio, San Antonio, TX, USA

2:00 PM - 2:15 PM

The Best Use of End-Of-Chain Kidneys Is to Remain with
the Exchange
Jeffrey Veale, MD, David Geffen School of Medicine at
UCLA, Los Angeles, CA, USA

2:15 PM - 2:30 PM

The Best Use of End-of-chain Kidneys is to be Allocated
through UNOS
Michael Rees, MD, PhD, University of Toledo Physicians,
LLC, Toledo, OH, USA

2:30 PM - 2:45 PM

End-of-Chain Kidneys Should Stay with the Donor's
Center of Record
Vanessa Humphreville, MD, University of Minnesota
Medical Center, Minneapolis, MN, USA

2:45 PM - 3:00 PM

Q&A

Program Topic: Kidney

Utility and Beneficence Consideration in Organ
Allocation for Simultaneous Heart Kidney & Lung
Kidney Transplant

2:00 PM - 3:00 PM

Moderators:
Christie Thomas, MD, Carver College of Medicine -
University of Iowa, Iowa City, IA, USA
Richard Formica, MD, Yale University School of Medicine,
New Haven, CT, USA

2:00 PM - 2:15 PM

Kidney Function and Non-renal Solid Organ
Transplantation

Jane Tan, MD, PhD, Stanford University Medical Center,
Stanford, CA, USA

2:15 PM - 2:30 PM

Impact of Pre Heart/Lung Transplant eGFR on Post-transplant Renal Function

Abhishek Kumar, MD, FASN, FAST, Yale University School of Medicine, New Haven, CT, USA

2:30 PM - 2:45 PM

The Pathway Ahead

Lisa McElroy, MD, Duke University, Durham, NC, USA

2:45 PM - 3:00 PM

Q&A

Program Topic: HLA

Target Testing to Ensure Successful Desensitization and Post-Transplant Monitoring

2:00 PM - 3:00 PM

Moderators:

Luis Hidalgo, PhD F(ACHI), University of Wisconsin Madison, Madison, WI, USA

Stanley Jordan, MD, Cedars-Sinai Medical Center, Los Angeles, CA, USA

2:00 PM - 2:15 PM

Identification of Acceptable Risk in HLA Incompatible Transplantation - Surgical Viewpoint

William Goggins, MD, Indiana University Hospital, Indianapolis, IN, USA

2:15 PM - 2:30 PM

Identification of Acceptable Risk in HLA Incompatible Transplantation - Clinical Viewpoint

Nada Alachkar, MD, Johns Hopkins University, Baltimore, MD, USA

2:30 PM - 2:45 PM

Histocompatibility Tools to Define Risk in HLA Incompatible Transplantation

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

2:45 PM - 3:00 PM

Q&A

Program Topic: Pancreas

Long-term Successes of Pancreas Transplantation

2:00 PM - 3:00 PM

Moderators:

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

Angie Nishio-Lucar, MD, University of Virginia, Charlottesville, VA, USA

2:00 PM - 2:15 PM

Let's Remember in Pancreas Transplantation: the Long-Term Benefits are There for the Taking

Sandesh Parajuli, MD, University of Wisconsin, Madison, WI, USA

2:15 PM - 2:30 PM

The Rules of The Game: Current UNOS Policy Requirements for SPK Listing

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

2:30 PM - 2:45 PM

Liberal Criteria for SPKT Will Increase Adoption and Benefit More Patients - Optimizing Utilization of Pancreas for all Insulin Dependent Diabetes Patients

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

2:45 PM - 3:00 PM

Q&A

Program Topic: Liver

How Do You Build an Abdominal Normothermic Regional Perfusion DCD Program?

2:00 PM - 3:00 PM

Moderators:

Gregory McKenna, MD, Baylor Simmons Transplant Institute, Dallas, TX, USA

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

2:00 PM - 2:15 PM

Establishing an Argument for Abdominal NRP DCD Transplant - A Review of the Ethics, Costs, Outcomes

Anji Wall, MD, PhD, Baylor Simmons Transplant Institute,

Dallas, TX, USA

2:15 PM - 2:30 PM

Assembling the Abdominal NRP DCD Team and Gaining Institutional Buy-in.

Aleah Brubaker, MD, PhD, University of California San Diego, La Jolla, CA, USA

2:30 PM - 2:45 PM

The OPO Perspective on Abdominal NRP DCD - Logistics, Outreach and Hospital Standardization

Bradley Adams, JD, Southwest Transplant Alliance, Dallas, TX, USA

2:45 PM - 3:00 PM

Q&A

Program Topic: Liver & Pediatric

Every Child Should Have Access to LDLT in the USA

2:00 PM - 3:00 PM

Moderators:

Caroline Lemoine, MD, Ann and Robert H. Lurie Children's Hospital/Northwestern University, Chicago, IL, USA

Pamela Valentino, MD, MSc, Seattle Children's Hospital, Seattle, WA, USA

2:00 PM - 2:15 PM

Policy and Health System Barriers to Pediatric LDLT in USA

Manuel Rodriguez-Davalos, MD, Primary Children's Hospital, Salt Lake City, UT, USA

2:15 PM - 2:30 PM

Pro: All Children Should have Access to LDLT

Megan Adams, MD, Children's Hospital Colorado, Aurora, CO, USA

2:30 PM - 2:45 PM

Con: Pediatric LDLT Should be Reserved for Select Cases

Deepak Vikraman, MD, Duke University Medical Center, Durham, NC, USA

2:45 PM - 2:50 PM

Rebuttal: Pro

2:50 PM - 2:55 PM

Rebuttal: Con

2:55 PM - 3:00 PM

Q&A

Sponsor Networking

3:00 PM - 3:30 PM

Program Topic: All Topics

Sponsor Networking

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

Poster Session D

3:00 PM - 3:30 PM

Program Topic:

Poster Session D Presenters in Attendance

- **Basic Science:** Treg / Other Regulatory Cell / Tolerance
- **Basic Science:** Vascular, Lymphatic, Stromal and Parenchymal Cell Biology
- **Basic Science:** Xenotransplantation
- **Basic Science:** B-cell / Antibody / Autoimmunity
- **Basic Science:** Tissue Engineering, Cellular, and Regenerative Medicine
- **Basic Science:** Machine Perfusion and Organ Rehabilitation - Basic
- **Basic Science:** Histocompatibility and Immunogenetics
- **Basic Science:** Immunosuppression & Tolerance: Preclinical & Translational Studies
- **Basic Science:** Ischemia Reperfusion
- **VCA**
- **Psychosocial & Ethics:** Psychosocial and Treatment Adherence
- **Psychosocial & Ethics:** Non-Organ Specific: Economics & Ethics
- **Psychosocial and Ethics:** Non-Organ Specific: Equity and Ethics
- **Infectious Disease:** Other Infection Including Heart and Lung

- **Pharmacy:** Non-Organ Specific: Pharmacokinetics / Pharmacogenomics / Drug interactions
- **Kidney:** Kidney Technical
- **Kidney:** Acute Cellular Rejection
- **Kidney:** Pediatrics
- **Kidney:** Kidney Living Donor: Long Term Outcomes
- **Kidney:** Kidney Living Donor: Selection
- **Kidney:** Kidney Psychosocial
- **Kidney:** Recurrent Kidney Disease & Genetics
- **Liver:** Surgery Innovative Techniques
- **Liver:** Retransplantation and Other Complications
- **Liver:** Living Donor Liver Transplant and Partial Grafts
- **Liver:** Recipient Selection
- **Organ Inclusive:** Transplant Oncology

²Stanford Medicine, Palo Alto, CA

3:20 PM - 3:30 PM

Rapid Portable Digital Spectrophotometry to Assess Macrovesicular Steatosis in the Liver
M. Kuehl, J. Gosnell, H. Ghani, R. Zhang, A. Moghe, H. L. Stevenson, University of Texas Medical Branch, Galveston, TX

Program Topic: Administrative & Advanced Practice Provider

Administrative, APP, and All Topics

3:00 PM - 3:30 PM

Moderator:
Navpreet Kaur, MD, USC - Keck School of Medicine, Los Angeles, CA, USA

3:00 PM - 3:10 PM

30 and 365 Readmissions in Patients with Orthotopic Liver Transplantation in a Large Volume Single Center
L. A. Mercado¹, H. K. Bhangu¹, F. Gil-Lopez², K. Gungor³, R. Chirila⁴, M. Yataco⁵, T. Menser⁶, D. M. Harnois⁵, ¹Liver Transplant, Mayo Clinic, Jacksonville, FL, ²Mayo Clinic, Jacksonville, FL, ³Transplant, Mayo Clinic, Jacksonville, FL, ⁴Internal Medicine, Mayo Clinic, Jacksonville, FL, ⁵Gastroenterology and Hepatology, Mayo Clinic, Jacksonville, FL, ⁶Health Care Delivery Research, Mayo Clinic, Jacksonville, FL

3:10 PM - 3:20 PM

Patient Survival Outcome with Dcd Donor Over 90 Minutes
V. E. Whittaker, James J. Peters Medical Center, Bronx, NY

3:20 PM - 3:30 PM

Polyclonal Treg Therapy for Renal Allograft Inflammation: Results of CTOT-21, A Randomized Controlled Clinical Trial
S. Chandran¹, Q. Tang¹, J. C. Leung¹, Z. Laszik¹, B. Armstrong², M. Morsheimer³, E. Farkash⁴, R. B. Mannon⁵, S. Davis⁶, J. Friedewald⁷, F. Vincenti¹, ¹UCSF, San Francisco, CA, ²Rho, Durham, NC, ³DAIT, NIAID, Bethesda, MD, ⁴U of Michigan, Ann Arbor, MI, ⁵U of Nebraska, Omaha, NE, ⁶U of Colorado, Denver, CO, ⁷Northwestern U, Chicago, IL

Rapid Fire Oral Abstract Sessions

3:30 PM - 5:00 PM

Poster Chats Session 3

3:00 PM - 3:30 PM

Program Topic: Heart & Kidney

Heart, Kidney, and Organ Inclusive

3:00 PM - 3:30 PM

Moderator:
Christina Doligalski, PharmD, BCPS, CPP, FAST, FCCP, University of North Carolina, Chapel Hill, NC, USA

3:00 PM - 3:10 PM

Efficacy and Safety of Early ACEi/ARB Use in Heart Transplant Recipients
A. H. Bui¹, R. Lee², K. Khush³, J. J. Teuteberg³, Y. Moayed⁴, H. I. Luikart³, J. Han⁵, B. Guenthart³, E. Henricksen², ¹Sentara Norfolk General Hospital, Norfolk, VA, ²Stanford Medicine, Stanford, CA, ³Stanford University, Stanford, CA, ⁴University Health Network, Toronto, ON, Canada, ⁵University of Chicago, Chicago, IL

3:10 PM - 3:20 PM

Association of Pre-Transplant Dialysis Modality with Incident Atrial Fibrillation Following Kidney Transplantation
L. Pozo Garcia¹, S. Liu², C. Lenihan², W. C. Winkelmayer¹, P. Khairallah¹, ¹Baylor College of Medicine, Houston, TX,

Program Topic: Liver

Hepatic Malignancy

3:30 PM - 5:00 PM

Moderators:

Abbas Rana, MD, Baylor College of Medicine, Houston, TX, USA

Vatche Agopian, MD, University of California Los Angeles (Multi-Organ), Los Angeles, CA, USA

3:30 PM - 3:40 PM

Dynamic Changes During the 6-Month Waiting Period Predict Waitlist Outcome in Liver Transplant Candidates with Hepatocellular Carcinoma

A. Kwong¹, J. Norman¹, T. Ghaziani¹, N. Mehta², ¹Stanford University, Stanford, CA, ²UCSF, San Francisco, CA

3:40 PM - 3:50 PM

Phase I Study of Adjuvant Immunotherapy Using Donor Liver Natural Killer Cells for Liver Transplant Recipients with Hepatocellular Carcinoma

M. Ohira¹, Y. Imaoka¹, K. Imaoka¹, T. Bekki¹, R. Nakano¹, H. Sakai¹, N. Tanimine¹, H. Tahara¹, K. Ide¹, T. Kobayashi¹, Y. Tanaka¹, A. G. Tzakis², S. Nishida², H. Ohdan¹, ¹Hiroshima University, Hiroshima, Japan, ²University of Miami, Miami, FL

3:50 PM - 4:00 PM

A Prospective Multicenter Validation of Retreat for Post-Transplant Hepatocellular Carcinoma Recurrence Prediction

J. Li¹, P. Tabrizian², D. Daher³, V. Ajmera⁴, E. Montalvan⁵, J. A. Gutierrez⁶, K. Zhou⁷, F. Imdad¹, F. Delebecque⁴, N. Garcia⁵, B. Barrick⁶, C. Wong⁷, L. Nephew⁵, J. Holden⁵, S. Dave⁴, G. Schnickel⁴, N. Rich³, S. Florman², F. Yao¹, A. Singal³, N. Mehta¹, ¹UCSF, SF, CA, ²Mt. Sinai, New York, NY, ³UTSW, Dallas, TX, ⁴UCSD, SD, CA, ⁵Indiana University, Indianapolis, IN, ⁶Scripps, La Jolla, CA, ⁷USC, LA, CA

4:00 PM - 4:10 PM

Prognostic Gene Signature Present within Background Liver Parenchyma of Transplant Recipients with Hepatocellular Carcinoma

A. E. Brown¹, E. Zacco², Z. Laszik³, P. Stock⁴, ¹General Surgery, Univ of California-San Francisco, San Francisco, CA, ²UCSF Helen Diller Family Comprehensive Cancer Center, Univ of California-San Francisco, San Francisco, CA, ³Clinical Pathology, Univ of California-San Francisco, San Francisco, CA, ⁴Transplant Surgery, Univ of

California-San Francisco, San Francisco, CA

4:10 PM - 4:20 PM

Dendritic Cell-Based Immunotherapy for Recurrent Hepatocellular Carcinoma After Liver Transplantation
H. Hung, Y. Lai, Y. Wang, J. Lee, C. Cheng, T. Wu, C. Lee, T. Wu, H. Chou, K. Chan, W. Lee, *Changung Memorial Hospital, Linkou, Taoyuan, Taiwan*

4:20 PM - 4:30 PM

Impact of Immune Checkpoint Inhibitors Pre Transplantation: Intention to Treat Outcomes from a Multi-Center Study

P. Tabrizian¹, Y. Bekki², V. Ajmera³, A. Kim⁴, K. Zhou⁵, G. Schnickel³, K. Torosian³, M. Hoteit⁶, F. Yao⁷, S. Florman², M. Schwartz², N. Mehta⁷, ¹Mount Sinai Medical Center NY, RMTI, New York, NY, ²RMTI, NY, NY, ³UCSD, SD, CA, ⁴JH, Baltimore, MD, ⁵USC, SC, CA, ⁶UPenn, Philadelphia, PA, ⁷UCSF, SF, CA

4:30 PM - 4:40 PM

Unaccounted Tumor Deposits in Pathologic Specimens of Patients with Colorectal Liver Metastases Treated with Liver Transplantation

M. Chávez-Villa¹, L. I. Ruffolo¹, B. Al-judaibi¹, M. Fujiki², K. Hashimoto², J. Kallas¹, C. Kwon², A. Nair¹, M. Orloff¹, K. Pineda-Solis¹, R. Raj², K. Sasaki³, K. Tomiyama¹, F. Aucejo², R. Hernandez-Alejandro¹, ¹University of Rochester Medical Center, Rochester, NY, ²Cleveland Clinic Foundation, Cleveland, OH, ³Stanford University Medical Center, Stanford, CA

4:40 PM - 4:50 PM

Living Donor Liver Transplantation for Colorectal Cancer Liver Metastases: Midterm Outcomes at a Single Center in North America

C. Kaltenmeier, D. Geller, S. Ganesh, S. Tohme, M. Molinari, A. Tevar, C. Hughes, A. Humar, *University of Pittsburgh, Pittsburgh, PA*

4:50 PM - 5:00 PM

Liver Transplantation with Neoadjuvant Therapy or Resection in Localized Intrahepatic Cholangiocarcinoma: A National Cancer Database Analysis

R. W. Hu¹, O. Moon¹, S. Na², P. Silberstein³, ¹Creighton University School of Medicine, Omaha, NE, ²Renaissance School of Medicine at Stony Brook University, Stony Brook, NY, ³Catholic Health Initiatives, Omaha, NE

Program Topic: Basic Science

Treg / Other Regulatory Cell / Tolerance

3:30 PM - 5:00 PM

Moderators:

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

James Mathew, PhD, Northwestern University, Chicago, IL, USA

3:30 PM - 3:40 PM

A Role for Iga in Gzmb+ Regulatory B Cells in Tolerance
L. Cappelier, N. Yeremenko, N. Sailliet, F. Brinas, R. Danger, S. Brouard, L. Berthelot, *Nantes Université, Inserm, CR2TI UMR1064, Nantes, France*

3:40 PM - 3:50 PM

Donor PD-L1 is Required for Organ Transplant Tolerance in MHC-Mismatched Mixed Chimeras
Y. Huang¹, X. Wu², S. Tang³, U. Nasri³, Q. Qin⁴, Q. Song³, B. Wang³, H. Tao⁵, A. Chong⁶, D. Zeng³, ¹*DMRI, City of Hope National Medical Center, Duarte, CA*, ²*Department of Computational and Quantitative Medicine, City of Hope, Duarte, CA*, ³*DMRI, City of Hope, Duarte, CA*, ⁴*Department of Hepatobiliary Surgery, Union Hospital, Wuhan, China*, ⁵*City of Hope, Duarte, CA*, ⁶*Section of Transplantation, Department of Surgery, The University of Chicago, Chicago, IL*

3:50 PM - 4:00 PM

Multiple Infusions of Ex Vivo-Expanded Polyclonal Treg Delay Rejection and Promote Systemic and Intra-graft CD163⁺ Myeloid Cells in Kidney Allograft Recipient Monkeys
M. Kubo¹, K. Sasaki¹, L. Lu¹, V. Vujevich¹, M. A. Wood-Trageser², K. Golnoski², A. Lesniak², V. Gunabushanam¹, A. Ganoza¹, M. Wijkstrom¹, A. Demetris², A. Humar¹, A. Thomson¹, M. Ezzelarab¹, ¹*Department of Surgery, Thomas E. Starzl Transplantation Institute, University of Pittsburgh, Pittsburgh, PA*, ²*Department of Pathology, University of Pittsburgh, Pittsburgh, PA*

4:00 PM - 4:10 PM

Maintenance of Lung Graft Tolerance is Dependent on Continuous Recruitment of Foxp3⁺ Cells to Allografts
Y. Bai¹, W. Li¹, Y. Terada¹, H. M. Shepherd¹, J. M. Gauthier¹, Y. Yokoyama¹, A. Bery¹, A. Alessandrini², P. T. Sage³, A. Bharat⁴, R. G. Nava¹, A. S. Krupnick⁵, A. E. Gelman¹, K. J. Lavine¹, D. Kreisel¹, ¹*Washington University in St. Louis, St. Louis, MO*, ²*Massachusetts General Hospital, Boston,*

MA, ³*Brigham and Women's Hospital, Boston, MA*, ⁴*Northwestern University, Chicago, IL*, ⁵*University of Maryland, Baltimore, MD*

4:20 PM - 4:30 PM

Selective Regulatory T-Cell Expansion by a Novel IL-2 Mutein in Murine Transplant and Humanized NSG Models
O. Efe¹, T. J. Borges¹, R. B. Gassen¹, L. Morena¹, Y. Ganchiku¹, A. Al Jurdi¹, I. T. Lape¹, Z. Shriver², G. J. Babcock², J. C. Madsen¹, L. V. Riella¹, ¹*Massachusetts General Hospital, Boston, MA*, ²*Visterra, Inc., Waltham, MA*

4:30 PM - 4:40 PM

Treg Poorly Migrate to Inflamed Allografts in Absence of Effector T Cells
H. Baydoun, M. Fathallah, A. Pena, B. Robinson, G. Camirand, *University of Pittsburgh, Pittsburgh, PA*

4:40 PM - 4:50 PM

Stabilization of DEPTOR Expression in CD4⁺ T Cells Using MLN4924 to Augment Immunoregulation Post Transplantation
B. Alsairafi¹, J. Wedel¹, C. L. Miller², J. M. O², G. Benichou², J. C. Madsen², D. M. Briscoe¹, ¹*Boston Children's Hospital, Boston, MA*, ²*Massachusetts General Hospital, Boston, MA*

4:50 PM - 5:00 PM

Successful Induction of Mixed Chimerism by Bcl-2 Inhibition and Tolerogenic Rapamycin Encapsulating Nanoparticles (ImmTor) without Chemotherapy or Total Body Irradiation in Nonhuman Primates
A. Karadagi¹, T. Tomosugi¹, R. Otsuka¹, G. Lassiter¹, A. Cosimi¹, K. Kishimoto², T. Kawai¹, ¹*Massachusetts General Hospital and Harvard Medical School, Boston, MA*, ²*Selecta Biosciences, Inc., Watertown, MA*

Program Topic: Psychosocial & Ethics

Psychosocial, Economics, and Ethics

3:30 PM - 5:00 PM

Moderators:

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

Barrett Crowther, PharmD, BCPS, FCCP, FAST, University of Colorado Health, Aurora, CO, USA

3:30 PM - 3:40 PM

Pre-Transplant Multidisciplinary Assessment on Medication Adherence and Transplant Outcomes

M. Leung¹, J. Gill², B. Bateni¹, C. Luo³, J. Donnan⁴, O. Johnston⁵, ¹Pharmacy, St. Paul's Hospital, Vancouver, BC, Canada, ²Nephrology, University of British Columbia, Vancouver, BC, Canada, ³Pharmacy, Vancouver General Hospital, Vancouver, BC, Canada, ⁴Clinical Education, Vancouver General Hospital, Vancouver, BC, Canada, ⁵Nephrology, Vancouver General Hospital, Vancouver, BC, Canada

3:40 PM - 3:50 PM

Cost-Effectiveness Analysis of Adult Living-Donor Liver Transplantation in Japan

T. Tajima¹, J. Shin¹, S. Kunisawa¹, N. Sasaki¹, K. Hata², K. Fushimi³, E. Hatano², Y. Imanaka¹, ¹Healthcare Economics and Quality Management, Kyoto University, Kyoto, Japan, ²HBP Surgery and Transplantation, Kyoto University, Kyoto, Japan, ³Health Policy and Informatics, Tokyo Medical and Dental University, Tokyo, Japan

3:50 PM - 4:00 PM

The Development of Psychological Services for Lung Transplant Patients

K. Schmidt, C. Balderas, M. Lucido, *Psychiatry & Behavioral Sciences, Emory University, Atlanta, GA*

4:00 PM - 4:10 PM

Associated Factors to Nonadherence to Routine Health Care Appointments After Kidney Transplantation: The Adhere Brazil Multicenter Study

H. Sanders-Pinheiro¹, R. L. Karlburger¹, J. H. Pinho¹, F. A. Colugnati¹, J. O. Medina², T. V. Sandes-Freitas³, S. De Geest⁴, S. ADHERE BRAZIL⁵, ¹Nephrology, Federal University of Juiz de Fora, Juiz de Fora, Brazil, ²Nephrology, Hospital do Rim. Federal University of São Paulo, São Paulo, Brazil, ³Clinical Medicine, Federal University of Ceara, Fortaleza, Brazil, ⁴Department of Public Health, Institute of Nursing Science, University of Basel, Basel, Switzerland, ⁵Federal University of Juiz de Fora, Juiz de Fora, Brazil

4:10 PM - 4:20 PM

A Patient Facing Tool for Multiorgan Transplant Outcomes

Y. Ahn¹, G. Lyden¹, Y. Mi², D. Zaun¹, C. Schaffhausen¹, J. Snyder¹, A. Hart¹, ¹Scientific Registry of Transplant Recipients, Minneapolis, MN, ²St. Olaf College, Northfield, MN

4:20 PM - 4:30 PM

A Multicomponent Medication Adherence Promotion System Decreases Late T-Cell Mediated Rejection

J. Bonn¹, A. Taylor¹, T. Ambrosino¹, S. Wadhvani², ¹Cincinnati Children's Hospital Medical Center, Cincinnati,

OH, ²University of California San Francisco, Oakland, CA

4:30 PM - 4:40 PM

Psychiatric Disease is Common After Adult Liver Transplantation and Associated with Significant Financial Burden in a Large U.S. National Cohort

A. R. Jones¹, Y. Jiang², M. Patel¹, B. Lippe¹, A. Shenoy³, T. Gurley¹, V. Ngo¹, M. Olumesi¹, R. Trudeau¹, A. Noriega Ramirez¹, A. Mufti¹, L. VanWagner¹, A. Singal¹, S. R. Lieber¹, ¹University of Texas Southwestern Medical Center, Dallas, TX, ²Duke University, Durham, NC, ³Columbia University Medical Center, New York, NY

4:40 PM - 4:50 PM

Behind the Scenes of Pre-Transplant Vaccine Requirements: Experiences, Challenges, and Lessons

O. S. Kates¹, H. C. Sung¹, C. M. Durand¹, D. L. Segev², J. Sugarman¹, ¹Johns Hopkins University, Baltimore, MD, ²Surgery, NYU Langone Health, New York, NY

4:50 PM - 5:00 PM

Underserved Communities Receiving Kidney Transplant Have Optimal Graft and Patient Survival and is Cost Effective

J. Almaro Alvarez¹, E. Petrochenkov¹, G. Bencini¹, K. S. Gutowski², B. E. Guillen², A. Martinino¹, P. Di cocco¹, M. Spaggiari¹, I. Tzvetanov³, E. Benedetti¹, ¹Surgery, University of Illinois at Chicago, Chicago, IL, ²University of Illinois at Chicago College of Medicine, Chicago, IL, ³Surgery, University of Illinois at Chicago, Chicago, IL

Program Topic: Pancreas

Pancreas and Islet: All Topics

3:30 PM - 5:00 PM

Moderators:

Rachel Forbes, MD, MBA, Vanderbilt University Medical Center, Nashville, TN, USA

Sandesh Parajuli, MD, University of Wisconsin, Madison, WI, USA

3:30 PM - 3:40 PM

Changes to Kidney-Pancreas Waiting Time Criteria Improved Equity without Adverse Impact on Post-Transplant Outcomes

S. E. Booker¹, J. White¹, D. K. Klassen¹, O. Olaitan², R. Forbes³, ¹UNOS, Richmond, VA, ²Rush University Medical Center, Chicago, IL, ³Vanderbilt University Medical Center, Nashville, TN

3:50 PM - 4:00 PM

The Pancreas Graft Response to Oral Glucose Challenge in Type 1 vs. Type 2 Diabetes

Y. Ye, A. R. Sadhu, E. A. Graviss, D. T. Nguyen, S. G. Yi, A. Gaber, R. J. Knight, *Houston Methodist Hospital, Houston, TX*

4:00 PM - 4:10 PM

Understanding Barriers and Potential Strategies to Increase Pancreas Transplantation in the United States: A Delphi Survey of U.S. Transplant Professionals

K. Lentine, MD, PhD¹, K. Maher², K. J. Woodside³, M. Jesse⁴, R. Parsons⁵, M. Cooper⁶, D. Dadhania⁷, M. Doshi⁸, T. B. Dunn⁹, R. Forbes¹⁰, J. Fridell¹¹, M. Pavlakis¹², N. Singh¹³, D. Sawinski⁷, D. Axelrod¹⁴, ¹*Saint Louis University Transplant Center, St. Louis, MO, MO*, ²*Saint Louis Univ, Saint Louis, MO*, ³*Ann Arbor Academy, Ann Arbor, MI*, ⁴*Henry Ford, Detroit, MI*, ⁵*Emory Univ, Atlanta, GA*, ⁶*Medical College WI, Milwaukee, WI*, ⁷*Weill Cornell, New York, NY*, ⁸*Univ Michigan, Ann Arbor, MI*, ⁹*Univ Pennsylvania, Philadelphia, PA*, ¹⁰*Vanderbilt, Nashville, TN*, ¹¹*Indiana Univ, Indianapolis, IN*, ¹²*Beth Israel, Boston, MA*, ¹³*Willis-Knighton, Shreveport, LA*, ¹⁴*Univ Iowa, Iowa City, IA*

4:10 PM - 4:20 PM

Covid-19 Caused Higher Mortality in Simultaneous Pancreas/Kidney Transplants in Patients with Dm Type 2

A. C. Gruessner, S. J. Saggi, R. W. Gruessner, *SUNY Downstate Medical Center, Brooklyn, NY*

4:20 PM - 4:30 PM

Expansion and Differentiation of Adult Human Islet Cell Precursors for Islet Cell Transplantation

C. M. Darden¹, J. Kuncha², J. Mattke³, Y. Li⁴, B. Naziruddin⁵, M. Lawrence², ¹*Baylor Simmons Transplant Institute, Dallas, TX*, ²*Baylor Scott and White Research Institute, Dallas, TX*, ³*Baylor University, Waco, TX*, ⁴*Case Western Reserve University, Cleveland, OH*, ⁵*Baylor University Medical Center, Dallas, TX*

4:30 PM - 4:40 PM

Pancreas After Kidney Transplantation Outcomes Over the Past 20 Years in the USA

M. Moein, S. Iskhagi, R. Shahbazov, M. Hanlon, A. Bahraini, R. Saidi, *Surgery/Transplant, SUNY Upstate Medical University, Syracuse, NY*

4:40 PM - 4:50 PM

The Utility of Robotic Assisted Pancreas Transplants - A Single Center Retrospective Study

A. Martinino¹, G. Bencini¹, E. Petrochenkov¹, J. Zhang², S.

Akshelyan¹, P. Di Cocco¹, J. Almario Alvarez¹, I.

Tzvetanov¹, E. Benedetti¹, M. Spaggiari¹, ¹*Surgery, University of Illinois at Chicago, Chicago, IL*, ²*University of Illinois at Chicago College of Medicine, Chicago, IL*

4:50 PM - 5:00 PM

Utilization of Non-Insulin Antidiabetic Agents Following Pancreas Transplantation

E. Rubido¹, A. Rogers¹, A. Hutchins², E. Rizk², A. R. Sadhu¹, R. J. Knight³, ¹*Houston Methodist Hospital, Houston, TX*, ²*Pharmacy, Houston Methodist Hospital, Houston, TX*, ³*Surgery, Houston Methodist Hospital, Houston, TX*

Program Topic: VCA

VCA

3:30 PM - 5:00 PM

Moderators:

Vijay Gorantla, MD, PhD, FRCS, Wake Forest Institute for Regenerative Medicine, Winston-Salem, NC, USA
Leonardo Riella, MD, PhD, Harvard Medical School, Boston, MA, USA

3:30 PM - 3:40 PM

Immunoregulatory Pathways Are Upregulated in T Cell Mediated Rejection of Human Face Transplants

W. J. Crisler, T. S. Win, R. A. Clark, *Department of Dermatology, Harvard Medical School, Brigham & Women's Hospital, Boston, MA*

3:40 PM - 3:50 PM

Prolonged Subzero Preservation of Vascularized Composite Allografts with Nature-Inspired Cryoprotectants

Y. Zhang¹, A. Bodine¹, S. Baicu², M. Taylor², B. Weegman², B. Oh¹, G. Brandacher¹, ¹*Plastic and Reconstructive Surgery, Johns Hopkins School of Medicine, Baltimore, MD*, ²*Sylvatica Biotech, Inc., North Charleston, SC*

3:50 PM - 4:00 PM

VCA Graft Outcomes Have Improved Over Time

S. E. Booker, K. Laurie, K. Poff, W. S. Cherikh, D. K. Klassen, J. L. Wainright, *UNOS, Richmond, VA*

4:10 PM - 4:20 PM

Insights from Immunoproteomic Profiling of a Rejected Full-Face Allotransplant

C. A. Lee¹, D. Wang¹, M. Kauke-Navarro², E. Russell-Goldman¹, S. Xu¹, K. N. Mucciarone¹, S. Sohrabi¹, C. G.

Lian¹, B. Pomahac², G. F. Murphy¹, ¹Pathology, Brigham and Women's Hospital, Harvard Medical School, Boston, MA, ²Surgery, Yale School of Medicine, New Haven, CT

4:20 PM - 4:30 PM

24-Hour Supercooling Preservation of Vascularized Composite Allografts in Rodents

I. C. Filz von Reiterdank¹, P. Tawa¹, M. Goutard¹, A. T. Dinicu¹, M. Taggart¹, C. Pendexter¹, I. Rosales¹, Y. Berkane¹, A. G. Lellouch¹, A. Mink van der Molen², H. Coert², C. L. Cetrulo¹, K. M. Uygun¹, ¹Massachusetts General Hospital, Boston, MA, ²UMC Utrecht, Utrecht, Netherlands

4:30 PM - 4:40 PM

24h Acellular Subnormothermic Machine Perfusion for VCA Preservation

Y. Berkane¹, M. Goutard¹, P. Tawa¹, I. Filz von Reiterdank², H. H. Lancia¹, A. R. Andrews¹, M. Randolph¹, A. Lellouch¹, C. L. Cetrulo¹, K. Uygun², ¹Vascularized Composite Allotransplantation Laboratory, Massachusetts General Hospital, Boston, MA, ²Center for Engineering in Medicine and Surgery, Massachusetts General Hospital, Boston, MA

4:40 PM - 4:50 PM

Endometrial Immune Reconstitution Associates with Post-Transplant Hormonal Synchronization in Uterus Transplant Recipients

M. Greene, R. Asimwe, M. Bell, D. Gunn, P. Porrett, University of Alabama at Birmingham, Birmingham, AL

4:50 PM - 5:00 PM

Clinically Translatable Multispectral Nanoimaging for Non-Invasive Surveillance of Rejection in VCA

V. Gorantla¹, J. M. Janjic², ¹Wake Forest Institute for Regenerative Medicine, Winston-Salem, NC, ²School of Pharmacy, Chronic Pain Research Consortium, Duquesne University, Pittsburgh, PA

Program Topic: Kidney

Pediatrics

3:30 PM - 5:00 PM

Moderators:

Sarah Kizilbash, MD, MS, University of Minnesota, Minneapolis, MN, USA

Thomas Pham, MD, Stanford University Medical Center, Menlo Park, CA, USA

3:30 PM - 3:40 PM

Combining Peripheral Blood Gene Expression Profiling and Donor-Derived Cell-Free DNA to Identify the Absence of Subclinical Rejection in Pediatric Kidney Transplantation

M. E. Seifert¹, T. Blydt-Hansen², J. Holman³, M. First³, J. Fleming³, J. Weems³, R. Ettenger⁴, ¹UAB Heersink School of Medicine, Birmingham, AL, ²University of British Columbia, Vancouver, BC, Canada, ³Transplant Genomics, Inc., East Providence, RI, ⁴UCLA Center for Health Science, Los Angeles, CA

3:40 PM - 3:50 PM

Belatacept Outcomes in Pediatric Kidney Transplantation: An International Multicenter Study

C. Duneton¹, R. George², R. Liverman², A. Sellier-Leclerc³, O. Dunand⁴, V. Baudouin¹, E. Cheyssac¹, L. Greenbaum², J. Hogan¹, R. Garro², ¹Robert Debré Hospital, Paris, France, ²CHOA, Atlanta, GA, ³Mother-Child Hospital, Lyon, France, ⁴Félix Guyon Hospital, La Reunion, France

3:50 PM - 4:00 PM

Validation of a Dynamic Prediction Model of Kidney Allograft Survival in Pediatric Kidney Transplant Recipients

G. M. Karadkhele¹, F. Manca Barayre¹, R. Kabore², R. Patzer¹, C. Larsen¹, J. Harambat³, K. Leffondre⁴, J. Hogan⁵, ¹Emory University, Atlanta, GA, ²University of Bordeaux, Bordeaux, France, ³Pellegrin Children Hospital, Bordeaux University Hospital, Bordeaux, France, ⁴INSERM, Bordeaux Population Health Research Center, University of Bordeaux, Bordeaux, France, ⁵Transplant Research Center, Department of Surgery, Emory University, Atlanta, GA

4:00 PM - 4:10 PM

Utility of a Blood Gene Expression Profiling Score (AlloMap) to Predict Rejection Events in Pediatric Kidney Transplant Recipients

R. Dandamudi¹, J. Lujain¹, L. Walther¹, N. Sulejmani², H. xu³, S. Dholakia³, V. Dharnidharka¹, ¹Pediatrics, Washington University School of Medicine, St. Louis, MO, ²CareDx, Sterling Heights, MI, ³CareDx, Brisbane, CA

4:10 PM - 4:20 PM

Donor-Derived Cell-Free Dna Testing in Children: Indications and Utility

J. Chandar¹, M. Defreitas¹, R. Ponsirenas², G. Burke III¹, ¹University of Miami and Miami Transplant Institute, Miami, FL, ²CareDx, Miami, FL

4:20 PM - 4:30 PM

Prognostic Value of Normal Surveillance Biopsies in Pediatric Kidney Transplant Recipients

K. A. Deville, M. E. Seifert, *UAB Heersink School of Medicine, Birmingham, AL*

4:30 PM - 4:40 PM

Intensified Systolic Blood Pressure Control Improves Left Ventricular Hypertrophy in Pediatric Kidney Transplant Recipients

R. I. Sugiarto¹, C. Grabitz¹, N. Memaran¹, K. Azukaitis², A. Doyon³, D. Thurn-Valsassina⁴, F. Schaefer³, B. M. Schmidt⁵, A. Melk¹, ¹*Department of Pediatric Kidney, Liver and Metabolic Diseases, Hannover Medical School, Hannover, Germany*, ²*Clinic of Pediatrics, Faculty of Medicine, Vilnius University, Vilnius, Lithuania*, ³*Center for Pediatrics and Adolescent Medicine, University Hospital Heidelberg, Heidelberg, Germany*, ⁴*Department of Pediatrics and Adolescent Medicine, Medical University of Vienna, Vienna, Austria*, ⁵*Department of Nephrology and Hypertension, Hannover Medical School, Hannover, Germany*

4:40 PM - 4:50 PM

Kidney Graft Outcomes Following Pediatric Blood Group Incompatible Transplantation - A Comparative Study Using Unos Database Analysis

P. Chandak¹, I. D. Kostakis², M. M. Charalambides³, P. Gogalniceanu⁴, G. Papadakis⁵, J. Stojanovic⁶, F. Calder⁵, I. Loukopoulos⁵, N. Kessar⁷, ¹*Department of Nephrology and Transplantation, Guy's, Evelina and Great Ormond Street Hospitals and King's College London, London, United Kingdom*, ²*Department of HPB Surgery and Liver Transplantation, Royal Free Hospital, Royal Free London NHS Foundation Trust, London, United Kingdom*, ³*King's College London, London, United Kingdom*, ⁴*Guy's Hospital, London, London, United Kingdom*, ⁵*Guy's Hospital, London, United Kingdom*, ⁶*Great Ormond Street Hospital, London, United Kingdom*, ⁷*Department of Nephrology and Transplantation, Guy's Hospital, London, United Kingdom*

4:50 PM - 5:00 PM

Multicenter Experience Using Donor Derived Cell Free DNA in Pediatric Patients Less Than 20 Kg

J. Steinke¹, J. Chandar², L. Harshman³, D. Ranch⁴, H. Pizzo⁵, D. Puliyaanda⁶, ¹*Helen DeVos Children's Hospital, Grand Rapids, MI*, ²*University of Miami Miller School of Medicine, Miami, FL*, ³*University of Iowa Stead Family Children's Hospital, Iowa City, IA*, ⁴*University of Texas Health Science Center, San Antonio, TX*, ⁵*Cedars-Sinai*

Medical Center, Los Angeles, CA, ⁶*Cedars Sinai Guerin Children's Hospital, West Hollywood, CA*

Program Topic: Basic Science

Xenotransplantation

3:30 PM - 5:00 PM

Moderators:

Paige Porrett, MD PhD, University of Alabama at Birmingham, Birmingham, AL, USA
Joseph Leventhal, MD, PhD, FACS, Northwestern Medicine, Chicago, IL, USA

3:30 PM - 3:40 PM

Anti-SLA IgG Xenoantibodies Contribute to Graft Rejection in Highly Sensitized Non-Human Primate Xenotransplantation

J. Ladowski¹, I. DeLaura¹, I. Anwar¹, A. Jackson¹, S. Knechtle¹, J. Kwun², ¹*Duke University, Durham, NC*, ²*Duke Transplant Center, Durham, NC*

3:40 PM - 3:50 PM

Contribution of Anti-SLA Antibodies to Rejection in Nonhuman Primate Model of Kidney Xenotransplantation

W. T. Serkin, Y. Kan, M. Pandelakis, W. Qin, M. E. Youd, *eGenesis, Inc, Cambridge, MA*

3:50 PM - 4:00 PM

Pre- and Post-Transplant Donor Specific Anti-Porcine Antibodies in Transplantation of Kidney Xenografts with Triple Knock-Out with or without Multiple Human Transgenes in Nonhuman Primates

A. Karadagi¹, T. Hirose¹, G. Lassiter¹, T. Tomosugi¹, R. Otsuka¹, D. J. Firl¹, R. Anand², D. Heja², J. Layer², I. Rosales¹, S. Low², E. Katz², M. Curtis², W. Qin², M. Youd², T. Kawai¹, ¹*Massachusetts General Hospital and Harvard Medical School, Boston, MA*, ²*eGenesis, Inc., Cambridge, MA*

4:00 PM - 4:10 PM

Human Immunoglobulin Preparations Contain Significant Anti-Pig Antibodies

M. Mangiola¹, J. Stern², J. Kim², A. Dandro³, K. Khalil², S. Mehta², T. Lewis², D. Ayares³, A. Griesemer², R. A. Montgomery², ¹*NYU Langone Health, New York, NY*, ²*NYU, New York, NY*, ³*Revivicor, Blacksburg, VA*

4:10 PM - 4:20 PM

Genetically Modified Porcine Kidneys Expressing Human Transgenes Support >2-Year Survival in Pig to

Cynomolgus Macaque Xenotransplantation

T. Hirose¹, T. Hirose¹, A. Karadagi¹, T. Tomosugi¹, G. Lassiter¹, R. Anand², D. Heja², J. Layer², V. Paragas², M. Curtis², W. Qin², M. Youd², I. Rosales¹, E. Katz², T. Kawai¹, ¹Massachusetts General Hospital, Boston, MA, ²eGenesis, Cambridge, MA

4:20 PM - 4:30 PM

Xenorecognition and Costimulation of Porcine Endothelium-Derived Extracellular Vesicles in Initiating Human Porcine-Specific T-Cell Immune Responses
S. Li, I. J. Anwar, H. Xu, A. D. Kirk, *Surgery, Duke University, Durham, NC*

4:30 PM - 4:40 PM

Routine Cold Storage (5 Hours) Leads to Hyperacute Graft Loss in Pig-to-Primate Kidney Xenotransplantation: Static Cold Storage versus Hypothermic Machine Perfusion
Y. Hisadome¹, D. Eisenson¹, H. Iwase¹, M. Santillan¹, M. Adams¹, M. Sykes², D. Sachs², H. Sahara¹, A. Cameron¹, K. Yamada¹, ¹Johns Hopkins University, Baltimore, MD, ²Columbia University, New York, NY

4:40 PM - 4:50 PM

Multimodality Deep Phenotyping of Genetically Modified Pig Kidney Xenografts Transplanted to Human Recipients Reveals Antibody-Mediated Rejection
V. Goutaudier¹, A. Giarraputo¹, B. Robin¹, F. Mezine¹, B. Parent², A. Griesemer², A. Certain¹, K. Khalil², M. Rabant¹, S. Mehta², N. Navneet², H. Pass², A. Sannier¹, D. Ayares³, M. Wu², V. Tatapudi², J. Stern², P. Bruneval¹, M. Mangiola², R. Montgomery², A. Loupy¹, ¹Paris Transplant Group, Paris, France, ²New York University Langone Transplant Institute, New York, NY, ³Revivacor, Blacksburg, VA

4:50 PM - 5:00 PM

Spatiotemporal Immune Atlas of the First Clinical-Grade, Gene-Edited Pig-to-Human Kidney Xenotransplant
M. Cheung, R. Asimwe, J. George, J. Locke, P. Porrett, *University of Alabama at Birmingham, Birmingham, AL*

Program Topic: Kidney

Kidney: Cardiovascular and Metabolic Complications - 1

3:30 PM - 5:00 PM

Moderators:

Kenneth Brayman, MD, PhD, University of Virginia Health System, Charlottesville, VA, USA

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

3:30 PM - 3:40 PM

Clinical Impact of Early Blood Transfusion After Kidney Transplantation

M. Kang, H. Koh, E. Min, S. Yim, M. Choi, S. Shin, S. Shin, H. Kim, K. Huh, M. Kim, J. Lee, *Surgery, Yonsei University College of Medicine, Seoul, Korea, Republic of*

3:40 PM - 3:50 PM

Aldosterone-Secreting Adrenal Adenomas in the Kidney Transplant Population: Underdiagnosed and Important
V. Fleetwood¹, G. Ling², A. Mosman³, K. Lentine¹, ¹Center for Abdominal Transplantation, Saint Louis University, St. Louis, MO, ²Dept of Endocrinology, Saint Louis Univ, St. Louis, MO, ³Dept of Nephrology, Saint Louis Univ, St. Louis, MO

3:50 PM - 4:00 PM

The Association Between the Uremic Solute Asymmetric Dimethylarginine and Regression of Myocardial Fibrosis Post Kidney Transplantation
L. Fane¹, S. Ahlawat², S. Al-kindi², H. Sapa¹, A. Padiyar², A. Huml³, M. Dobre¹, ¹Case Western Reserve University, Cleveland, OH, ²University Hospitals Cleveland Medical Center, Cleveland, OH, ³Cleveland Clinic, Cleveland, OH

4:00 PM - 4:10 PM

Impact of Arterial Calcification and Vascular Stiffness on Cardiovascular Outcomes in Kidney Transplant Recipients : Results from the Know-Kt Study
H. Jung, J. Ha, J. Yang, *Nephrology, Severance Hospital, Seoul, Korea, Republic of*

4:10 PM - 4:20 PM

Utility of Pre-Transplant Cardiac Catheterization in High Cardiovascular Risk Kidney Transplant Candidates
L. Morena¹, A. Al Jurdi¹, E. Leal Adam², R. Verhoeff¹, F. E. Hullekes¹, A. Cohen Bucay¹, N. Elias¹, R. Palsson¹, L. Riella¹, ¹Massachusetts General Hospital- Harvard Medical School, Boston, MA, ²Universidade Federal do Parana, Curitiba, Brazil

4:20 PM - 4:30 PM

A Nomogram for Predicting Major Adverse Cardiovascular Events After Kidney Transplantation
G. Wu, C. Wang, Q. Li, S. Yu, L. Peng, J. Min, W. Lai, J. Qiu, G. Chen, *The First Affiliated Hospital of Sun Yat-sen University, Guangzhou, China*

4:30 PM - 4:40 PM

Multimodal Late Fusion Model for Predicting Risk of Post Kidney Transplant Major Adverse Cardiac Events

A. Tariq, B. Patel, R. Arsanjani, S. Fathizadeh, S. Trivedi, G. Mour, I. Banerjee, *Mayo Clinic Arizona, Phoenix, AZ*

4:40 PM - 4:50 PM

Kidney Transplantation Improves Survival in Patients with Treated Severe Pulmonary Hypertension Compared to Dialysis: A Single Center Approach

D. Kumar¹, I. Moinuddin¹, N. Raju¹, D. Thomas¹, S. Tripathi², G. Gupta¹, ¹VCUHealth, Richmond, VA, ²RNA, Richmond, VA

4:50 PM - 5:00 PM

Effectiveness of Metformin in Kidney Transplant Recipients with Post-Transplantation Diabetes Mellitus

J. Y. Lee¹, J. Y. Jung², D. Y. Lee¹, S. C. Kim¹, J. W. Lee², C. H. Baek¹, H. W. Kwon¹, S. Shin¹, Y. H. Kim¹, S. J. Shin³, S. K. Park¹, J. Y. Park³, H. S. Kim¹, ¹Asan Medical Center, Seoul, Korea, Republic of, ²Dongguk University Ilsan Hospital, Goyang, Korea, Republic of, ³Dongguk University College of Medicine, Gyeongju, Korea, Republic of

Program Topic: Kidney

Kidney Deceased Donor Allocation

3:30 PM - 5:00 PM

Moderators:

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

Jim Kim, MD, FACS, Keck Medicine of USC, Los Angeles, CA, USA

3:30 PM - 3:40 PM

Unintended Consequences of a Change in Deceased-Donor Kidney Allocation

D. C. Cron¹, S. A. Husain², K. L. King³, S. Mohan³, J. T. Adler⁴, ¹Surgery, Massachusetts General Hospital, Boston, MA, ²Division of Nephrology, Department of Medicine, Columbia University Medical Center, New York, NY, ³Medicine - Nephrology, Columbia University Medical Center, New York, NY, ⁴Surgery and Perioperative Care, University of Texas at Austin Dell Medical School, Austin, TX

3:40 PM - 3:50 PM

Time to Next Transplantable Deceased Donor Kidney Offer

M. Stuart¹, C. McCharen¹, C. Martinez¹, R. Shean¹, D.

Klassen¹, K. Andreoni², ¹United Network for Organ Sharing, Richmond, VA, ²Surgery, University Hospitals Cleveland, Cleveland, OH

3:50 PM - 4:00 PM

Patient Level Social Determinants of Health Are Associated with Kidney Waitlist Outcomes in the United States

T. G. Mupfudze, R. Shean, T. Wilson, A. M. Zehner, L. Cartwright, *United Network for Organ Sharing, Richmond, VA*

4:00 PM - 4:10 PM

Association of Race and Ethnicity with Priority for Transplantation with High-Quality Deceased Donor Kidneys in the US

N. W. Asfour¹, K. Zhang², J. Lu¹, M. Saunders², P. Reese³, W. F. Parker², ¹Pritzker School of Medicine, University of Chicago, Chicago, IL, ²University of Chicago, Chicago, IL, ³University of Pennsylvania, Philadelphia, PA

4:10 PM - 4:20 PM

Should HLA DR Mismatch Scoring Continue to Be Used in the Kidney Allocation System, an Analysis of SRTR Database

D. Keith, E. Lessmann, *Ascension Sacred Heart Kidney Transplant Program, Pensacola, FL*

4:20 PM - 4:30 PM

Racial/Ethnic Fairness in Eplet-Based Kidney Allocation

M. Mankowski¹, D. Segev², S. Gentry², M. Mangiola², ¹Erasmus University Rotterdam, Rotterdam, Netherlands, ²NYU, New York, NY

4:30 PM - 4:40 PM

"List Diving" to Allocate Kidneys to Lower Waitlist Priority Candidates

K. L. King¹, S. Husain², M. Yu², J. Adler³, J. Schold⁴, S. Mohan², ¹Medicine - Nephrology, Columbia University Medical Center, New York, NY, ²Columbia University Medical Center, New York, NY, ³University of Texas at Austin Dell Medical School, Austin, TX, ⁴University of Colorado Anschutz Medical Campus, Aurora, CO

4:40 PM - 4:50 PM

Resolving the Use of Race in Kidney Donor Profile Index (KDPI)

J. Lu, W. F. Parker, *University of Chicago Pritzker School of Medicine, Chicago, IL*

4:50 PM - 5:00 PM

Increasing Use of Kidneys in Multi-Organ Transplants

S. Husain¹, B. Hippen², N. Singh³, R. Parsons⁴, R. D. Bloom⁵, P. Anand⁶, K. Lentine⁷, ¹*Columbia University Medical Center, New York, NY*, ²*Fresenius Medical Care, Charlotte, NC*, ³*Willis-Knighton Health System, Shreveport, LA*, ⁴*Emory University School of Medicine, Atlanta, GA*, ⁵*University of Pennsylvania, Philadelphia, PA*, ⁶*Medical University of South Carolina, Lancaster, SC*, ⁷*Transplant Center, Saint Louis University, St. Louis, MO*

Program Topic: Organ Inclusive

Non-Organ Specific: Disparities to Outcome and Access to Healthcare

3:30 PM - 5:00 PM

Moderators:

James Rodrigue, PhD, Beth Israel Deaconess Medical Center / Harvard Medical School, Boston, MA, USA
Elisa Gordon, PhD, MPH, Vanderbilt University Medical Center, OAK PARK, IL, USA

3:30 PM - 3:40 PM

Financial Burden after Liver Transplantation in a Large U.S. National Patient Cohort

S. R. Lieber¹, A. R. Jones², Y. Jiang³, N. Ufere⁴, T. Gurley⁵, M. Patel⁶, V. Ngo⁷, M. Olumesi⁵, R. Trudeau⁵, A. Mufti⁵, A. G. Singal⁵, L. B. VanWagner⁵, ¹*Internal Medicine / Division of Digestive and Liver Diseases, University of Texas at Southwestern Medical Center, Dallas, TX*, ²*Internal Medicine, University of Texas Southwestern, Dallas, TX*, ³*Statistical Science, Duke University, Durham, NC*, ⁴*Massachusetts General Hospital and Harvard Medical School, Boston, MA*, ⁵*University of Texas Southwestern, Dallas, TX*, ⁶*University of Texas Southwestern Medical Center, Dallas, TX*, ⁷*University of Texas Southwestern, Dallas, TX*

3:40 PM - 3:50 PM

Acuity Circle Policy Associated with Persistent Racial and Ethnic Disparities in Waitlist Outcomes and Access to Liver Transplant

P. Lymberopoulos¹, V. Narayana¹, T. Lee¹, A. Fuller¹, T. N. Galvan¹, S. K. Satapathy², J. Goss¹, F. Kanwal¹, A. Rana¹, G. Cholankeril¹, ¹*Baylor College of Medicine, Houston, TX*, ²*Northwell, New Hyde Park, NY*

3:50 PM - 4:00 PM

Racial and Socioeconomic Disparities in Patients Receiving Heart or Lung Transplantation

A. B. Karanam¹, R. Munshi², R. N. Criner¹, R. Gupta¹, K. V.

Shenoy¹, A. J. Mamary¹, F. Cordova¹, N. Marchetti¹, G. J. Criner¹, F. Anjum¹, ¹*Thoracic Medicine and Surgery, Temple University, Philadelphia, PA*, ²*Cardiovascular Diseases, MercyOne Medical Center, Mason City, IA*

4:00 PM - 4:10 PM

How Big is Our Blind Spot? Estimating the Burden of Organ Failure Unmet by Transplantation - An Analysis by the AST Setting the Tent Work Group

L. McMichael¹, V. Sridhar², R. Lopez³, D. Levine⁴, J. Teuteberg⁵, E. Verna⁶, J. Schold³, J. Gill¹, ¹*University of British Columbia, Vancouver, BC, Canada*, ²*University of Toronto, Toronto, ON, Canada*, ³*University of Colorado, Aurora, CO*, ⁴*Stanford University, San Antonio, TX*, ⁵*Stanford University, Stanford, CA*, ⁶*Columbia University, New York, NY*

4:10 PM - 4:20 PM

Identifying and Understanding Variation in Population-Based Access to Liver Transplantation in the United States

K. Ross-Driscoll¹, J. Gunasti¹, A. Ayuk-Arrey¹, J. Adler², D. Axelrod³, L. McElroy⁴, R. Lynch¹, ¹*Emory University, Atlanta, GA*, ²*University of Texas at Austin Dell Medical School, Austin, TX*, ³*University of Iowa, Iowa City, IA*, ⁴*Duke University, Durham, NC*

4:20 PM - 4:30 PM

Racial Disparities in Access to Liver Transplantation in the United States

A. Kwong¹, M. Yilma², J. Lake³, W. Kim¹, J. Snyder⁴, A. Israni⁴, R. Hirose², ¹*Stanford University, Stanford, CA*, ²*University of California, San Francisco, San Francisco, CA*, ³*University of Minnesota, Minneapolis, MN*, ⁴*SRTR, Hennepin Healthcare Research Institute, Minneapolis, MN*

4:30 PM - 4:40 PM

Patient Disparities in Consent for HCV NAT+ Solid Organ Transplant

S. M. Oshima¹, K. Wegermann², J. Henson², A. Parish³, M. Samoylova⁴, D. Niedzwiecki³, L. McElroy⁴, L. King², J. M. Wilder², ¹*Department of Medicine, Duke University School of Medicine, Durham, NC*, ²*Division of Gastroenterology, Department of Medicine, Duke University School of Medicine, Durham, NC*, ³*Department of Biostatistics and Bioinformatics, Duke University School of Medicine, Durham, NC*, ⁴*Department of Surgery, Duke University School of Medicine, Durham, NC*

4:40 PM - 4:50 PM

Hidden HLA Antibodies in Non-European Transplant Candidates

Y. Yin, E. Reed, J. Q. Zhang, N. M. Valenzuela, *UCLA, Los Angeles, CA*

4:50 PM - 5:00 PM

Neighborhood Diversity, Segregation, and Access to Kidney Transplantation

Y. Li¹, G. Menon¹, E. Quint², D. Segev¹, M. McAdams-DeMarco¹, *¹NYU Langone Health, New York, NY, ²University Medical Center Groningen, Groningen, Netherlands*

Program Topic: Basic Science

Acute Rejection

3:30 PM - 5:00 PM

Moderators:

James Gardner, MD, PhD, University of California, San Francisco, San Francisco, CA, USA

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

3:30 PM - 3:40 PM

Impact of the Microbiota on the Risk of Acute Cellular Rejection in Belatacept-Treated Kidney Transplant Recipients

F. Herr¹, K. Bargiel¹, J. Taupin², A. Vernochet¹, D. Ciocan³, M. Dekeyser¹, A. Durrbach⁴, *¹UMR1186, Villejuif, France, ²Laboratory of Immunology and Histocompatibility, Saint-Louis Hospital, Paris, France, ³UMR996, Orsay, France, ⁴UMR1186/ université Paris Saclay, Villejuif, France*

3:40 PM - 3:50 PM

Immune Regulation of the Liver via the PCSK9-CD36 Pathway During Heart Transplant Rejection

X. Zhang, J. Wu, *Department of Cardiovascular Surgery, Union Hospital, Tongji Medical College, Huazhong University of Science and Technology, Wuhan, China*

3:50 PM - 4:00 PM

Graft-Specific CD8⁺ T Cells Weakly Proliferate and Differentiate into Potent CD43⁺ Effector Populations During Acute Rejection

G. Cohen¹, M. Kallarakal¹, S. M. Krummey², *¹Johns Hopkins University, Baltimore, MD, ²Pathology, Johns Hopkins University, Baltimore, MD*

4:00 PM - 4:10 PM

Hypoxia-Driven Proinflammatory Responses in Pretransplant Peripheral Blood Leads to a High Risk of Early Acute Rejection in Kidney Transplant

C. Wei, M. Chen, Z. Sun, Z. Yi, J. Fu, W. Wang, S. Bin, S. Farouk, C. He, P. Cravedi, W. Zhang, *Icahn School of Medicine at Mount Sinai, New York, NY*

4:10 PM - 4:20 PM

Donor-Specific Antibody Promotes NK Cell Activation Through Induction of Allograft Expression of Rae-1 to Mediate Acute Antibody-Mediated Kidney Allograft Rejection

D. Okada¹, R. Fairchild², *¹Cleveland Clinic, Cleveland, OH, ²Cleveland Clinic Foundation, Cleveland, OH*

4:20 PM - 4:30 PM

Gene Expression Profile of Bronchoalveolar Lavage Cd4⁺Cd57⁺ Pd1⁺ T Cells Suggests a Functional Role in the Pathogenesis of Lung Allograft Dysfunction

S. Moshkelgosha, S. Juvet, *UHN, Toronto, ON, Canada*

4:30 PM - 4:40 PM

Single-Nucleus Rna-Sequencing of Human Kidney Transplant Biopsies Identifies a Novel Role of Pericytes and Endothelium in Cellular Rejection

A. Halawi¹, A. ElKurdi², K. A. Vernon³, Z. Solhjou¹, A. Saad¹, N. Younis¹, C. Deban¹, J. Y. Choi¹, R. El Fekih⁴, T. Merhej¹, C. O'Brien¹, P. Khoeiry⁵, A. Greka⁶, J. Azzi⁶, *¹Brigham and Women's Hospital, Boston, MA, ²American University of Beirut, Beirut, Lebanon, ³Q32 BIO, Cambridge, MA, ⁴Brigham and Women Hospital, Boston, MA, ⁵American Univeristy of Beirut, Beirut, Lebanon, ⁶Harvard Medical School, Boston, MA*

4:40 PM - 4:50 PM

CD56dim Natural Killer Cells Are Associated with Belatacept-Resistant Rejection

A. C. Johnson, A. B. Farris, C. P. Larsen, J. Hogan, *Emory University, Atlanta, GA*

4:50 PM - 5:00 PM

Graft Dendritic Cells Respond to P40 Homodimers and Produce Il-15 Driving Endogenous Donor-Reactive Memory Cd8 T Cell Activation within High-Risk Cardiac Allografts

H. Tsuda, A. Valujskikh, R. Fairchild, *Inflammation and Immunity, Cleveland Clinic, Cleveland, OH*

Year in 2023 Review

3:30 PM - 5:00 PM

Program Topic: Infectious Disease

Top Papers in Transplant ID

3:30 PM - 5:00 PM

Moderators:

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

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

3:30 PM - 3:50 PM

Top Bacterial Papers in Transplant ID

Judith Anesi, MD, MSCE, University of Pennsylvania, Philadelphia, PA, USA

3:50 PM - 4:10 PM

Top Fungal Papers in Transplant ID

John Baddley, MD, MSPH, University of Maryland School of Medicine, Baltimore, MD, USA

4:10 PM - 4:30 PM

Top Viral Papers in Transplant ID

Dora Ho, MD, PhD, Stanford University Medical Center, Stanford, CA, USA

Break

5:00 PM - 5:10 PM

Rapid Fire Oral Abstract Sessions

5:10 PM - 6:40 PM

Program Topic: Basic Science

Ischemia Reperfusion

5:10 PM - 6:40 PM

Moderators:

Yuan Zhai, MD, PhD, Medical University of South Carolina, Charleston, SC, USA

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

5:10 PM - 5:20 PM

Disulfide HMGB1 Increases Graft Injury and Pro-Inflammatory Macrophage Activation via Tlr4 and Tlr9 Following Liver Transplantation

A. Q. Terry¹, H. Kojima², F. M. Kaldas², Y. Zheng¹, R. A.

Sosa¹, B. V. Naini¹, Y. Jin¹, J. Chin³, T. Ito², J. Nevarez-Mejia¹, R. W. Busuttill², A. S. Meyer³, D. W. Gjertson¹, J. Kupiec - Weglinski², E. F. Reed¹, ¹Pathology, UCLA, Los Angeles, CA, ²Surgery, UCLA, Los Angeles, CA, ³Bioengineering, UCLA, Los Angeles, CA

5:20 PM - 5:30 PM

Circulating CD4+ Tfh and B Cells with Antibody-Secreting Phenotypes Are Detectable in Adult Liver Transplant Recipients with Ischemia-Reperfusion Injury

A. R. Bhat¹, S. Sen², A. Terry³, R. A. Sosa², D. Gjertson², F. Kaldas², E. Reed⁴, ¹Pathology and Lab Medicine, University of California, Los Angeles, CA, ²University of California, Los Angeles, CA, ³Pathology and Laboratory Medicine, University of California, Los Angeles, CA, ⁴University of California LA, Los Angeles, CA

5:30 PM - 5:40 PM

Preservation of Human Kidneys with Oxygenated Perfusion at Room Temperature

P. Luke¹, J. Mello Offeri², M. Richard-Mohamed¹, L. Jiang³, A. Sener⁴, R. N. Bhattacharjee³, ¹London Health Sciences Centre, London, ON, Canada, ²Urology, Western University, London, ON, Canada, ³Western University, London, ON, Canada, ⁴University of Western Ontario, London, ON, Canada

5:40 PM - 5:50 PM

Visualization of Ischemia Reperfusion Injury of Kidney and Prediction of Early Allograft Dysfunction After Kidney Transplantation Using Cysteine Probe

H. Woo, E. Jo, A. Cho, M. Ko, A. Han, S. Min, J. Ha, J. Shin, Seoul National University Hospital, Seoul, Korea, Republic of

5:50 PM - 6:00 PM

Hypoxia-Inducible Factor-1 α Controls the Alternative Splicing of CEACAM1 and Enhances Hepatic Ischemia Tolerance in Mice and Humans

K. Dery¹, H. Kojima², K. Kadono³, H. Hirao⁴, S. Kageyama⁵, B. Cheng², D. Farmer⁶, F. Kaldas⁷, Y. Zhai⁸, X. Yuan⁹, ¹Surgery, UCLA, Los Angeles, CA, ²UCLA, LA, CA, ³Liver Transplant Surgery, UCLA, Los Angeles, CA, ⁴UCLA, Los Angeles, CA, ⁵Surgery, Dumont-UCLA Transplant Center, Los Angeles, CA, ⁶David Geffen School of Medicine at UCLA, Los Angeles, CA, ⁷University of California Los Angeles (Multi-Organ), Los Angeles, CA, ⁸Medical University of South Carolina, Los Angeles, CA, ⁹McGovern Medical School at UTHealth, Houston, TX

6:00 PM - 6:10 PM

Hepatocyte Notch1 Switches Pyroptosis to Apoptosis via

CHOP Dependent-Mechanism Against Oxidative Stress in Liver Transplantation

H. Hira, H. Kojima, K. J. Dery, B. Ke, S. Yao, D. G. Farmer, F. M. Kaldas, J. Kupiec-Weglinski, *UCLA, Los Angeles, CA*

6:10 PM - 6:20 PM

Protective Effect of Extracellular Vesicles Derived from Mesenchymal Stromal Cells on Kidney Ischemia-Reperfusion Injury by Complement Inhibition and Induction of a T-Regulatory Phenotype

V. Cantaluppi, D. Medica, S. Bruno, G. Camussi, *University of Piemonte Orientale (UPO), Novara, Italy*

6:20 PM - 6:30 PM

Beneficial Effects of C1q in Resolving Ischemia Reperfusion in Kidney Transplants

H. Noguchi, R. Khedraki, R. Fan, K. S. Keslar, N. Dvorina, W. M. Baldwin, *Cleveland Clinic Lerner Research Institute, Cleveland, OH*

6:30 PM - 6:40 PM

Role of Reperfusion After Cold Preservation for Liver Transplant at Single Cell Resolution

S. Naik¹, M. Dogan¹, C. Watkins¹, A. Bajwa¹, C. Eymard¹, J. Eason², C. Kuscu¹, C. Kuscu¹, *¹The University of Tennessee Health Science Center, Memphis, TN, ²James D. Eason Transplant Institute, Memphis, TN*

Program Topic: Pharmacy

Clinical Pharmacy/Transplant Pharmacotherapy

5:10 PM - 6:40 PM

Moderators:

Matt Harris, PharmD, Duke, Durham, NC, USA
Jennifer Melaragno, PharmD, University of Rochester, Rochester, NY, USA

5:10 PM - 5:20 PM

Neutropenia/Leukopenia and Viral Resistance with Letemovir (LET) vs Valganciclovir (VGCV) as Cytomegalovirus (CMV) Prophylaxis in Adult Kidney Transplant Recipients (KTRs): Results of a Pivotal Randomized Phase 3 Trial

F. Vincenti¹, A. P. Limaye², K. Budde³, A. Humar⁴, J. Garcia-Diaz⁵, R. P. Carroll⁶, D. F. Florescu⁷, Y. Murata⁸, J. Strizki⁸, V. L. Teal⁸, C. L. Gilbert⁸, B. Haber⁸, *¹Department of Medicine, University of California San Francisco, San Francisco, CA, ²University of Washington, Seattle, WA, ³Charité-Universitätsmedizin Berlin, Berlin, Germany, ⁴University of Toronto, Toronto, ON, Canada, ⁵Ochsner*

Medical Center, New Orleans, LA, ⁶Central Northern Adelaide Renal and Transplantation Service, Adelaide, Australia, ⁷Division of Infectious Diseases, University of Nebraska Medical Center, Omaha, NE, ⁸Merck & Co., Inc., Rahway, NJ

5:20 PM - 5:30 PM

Efficacy of CD154 Blockade with TNX-1500 to Prevent Heart Allograft Immune Injury

R. Chaban¹, K. Kinoshita¹, I. Ilikea¹, G. McGrath¹, Z. Habibabady¹, C. Miller¹, J. O¹, S. Landino¹, J. Nawalaniec¹, S. Fogarty², B. Daugherty², S. Lederman², J. C. Madsen¹, R. Pierson III¹, *¹Center for Transplantation Sciences, Massachusetts General Hospital and Harvard Medical School, Boston, MA, ²Tonix Pharmaceuticals, Chatham, NJ*

5:30 PM - 5:40 PM

Implementation of a Multi-Disciplinary Post-Transplant Diabetes Clinic Leads to More Frequent Prescribing of Antihyperglycemic Agents with Cardiovascular and Renal Benefit

J. Kerr, A. Lichvar, N. Mooney, K. Kulasa, *University of California San Diego Health, San Diego, CA*

5:40 PM - 5:50 PM

Renal Transplantation Can Be Performed Safely without Pre-Operative Apixaban Reversal

J. B. Littlejohn¹, K. L. Curtis¹, M. E. Kutcher², M. E. Jones-Carr¹, F. L. Koller³, P. Matemavi³, T. M. Earl³, C. D. Anderson³, J. J. Wynn³, *¹Surgery, University of Mississippi Medical Center, Jackson, MS, ²Trauma and Acute Care Surgery, University of Mississippi Medical Center, Jackson, MS, ³Transplant Surgery, University of Mississippi Medical Center, Jackson, MS*

5:50 PM - 6:00 PM

Impaired Seroconversion Rates After Adjuvanted Hepatitis B Vaccination in Organ Transplant Candidates and Recipients

Y. Mawari¹, A. Reticker², A. Loethen³, L. Potter⁴, *¹Chicago State University, Chicago, IL, ²University of Chicago Medicine, Chicago, IL, ³Pharmacy, University of Chicago Medicine, Chicago, IL, ⁴Pharmacy and Transplant Institute, University of Chicago Medicine, Chicago, IL*

6:00 PM - 6:10 PM

Pharmacist Driven Cytomegalovirus Viremia Treatment in Liver Transplant Recipients

T. Gennaro¹, H. Snyder¹, S. Todd¹, K. McCrory², S. Golpayegany¹, D. Lo³, *¹Emory University Hospital, Atlanta, GA, ²UNC Medical Center, Chapel Hill, NC, ³Emory University School of Medicine, Atlanta, GA*

6:10 PM - 6:20 PM

Evaluating the Use of Sodium-Glucose Cotransporter-2 Inhibitors (SGLT2i) in a Matched Cohort of Kidney and Liver Transplant Recipients

I. Baik¹, H. Gonzalez², A. Jantz¹, A. Poparad-Steazar¹, B. Summers¹, D. Venkat², M. Samaniego-Picota³, M. Fitzmaurice¹, ¹*Transplant Institute, Henry Ford Health, Detroit, MI*, ²*Hepatology, Henry Ford Health, Detroit, MI*, ³*Nephrology, Henry Ford Health, Detroit, MI*

6:20 PM - 6:30 PM

Impact of Glucagon-Like Peptide-1 Receptor Agonists on Tacrolimus Dose-to-Concentration Ratios in Solid Organ Transplant Recipients

H. Sweiss¹, R. Hall¹, S. Bhayana², R. Patel², A. Acosta³, C. Hernandez³, C. Long¹, ¹*University Health Transplant Institute, San Antonio, TX*, ²*Department of Nephrology, University of Texas Health Science Center at San Antonio, San Antonio, TX*, ³*University of Incarnate Word, San Antonio, TX*

6:30 PM - 6:40 PM

Conversion of Tacrolimus Immediate Release to LCP-Tacrolimus in Non-Kidney Transplant Recipients

S. E. Lucarelli¹, T. Le², A. Lichvar³, J. Kerr³, J. Kozuch³, S. Tsunoda⁴, A. Feist⁴, ¹*UC San Diego Health, San Diego, CA*, ²*Stanford Health Care, Mountain View, CA*, ³*UC San Diego Health, La Jolla, CA*, ⁴*UCSD Skaggs School of Pharmacy and Pharmaceutical Sciences, La Jolla, CA*

Program Topic: Kidney

Kidney Living Donor: Long Term Outcomes

5:10 PM - 6:40 PM

Moderators:

Didier Mandelbrot, MD, UW Health, Verona, WI, USA
Anju Yadav, MD FASN, Thomas Jefferson University Hospital, Philadelphia, PA, USA

5:10 PM - 5:20 PM

Are Normal Kidneys Histologically Normal?: Prevalence of Abnormal Implantation Biopsy Findings in Living Donor Kidneys

B. Emmons¹, I. Batal², K. L. King³, M. Yu², L. Ratner², P. Sandoval⁴, K. McCune², S. Mohan⁴, S. Husain⁴, ¹*Columbia University Vagelos College of Physicians and Surgeons, New York, NY*, ²*Columbia University, New York, NY*, ³*Medicine - Nephrology, Columbia University Medical Center, New York, NY*, ⁴*Columbia University Medical Center, New York, NY*

5:20 PM - 5:30 PM

Renal Functional Reserve, Radioisotopic Glomerular Filtration Rate and Urinary Injury Biomarkers: The Next Steps for a Safer Evaluation and Follow-Up of Living Kidney Donors

V. Cantaluppi¹, G. Guglielmetti¹, S. Bruno¹, G. Camussi¹, C. Ronco², ¹*University of Piemonte Orientale (UPO), Novara, Italy*, ²*International Renal Research Institute (IRRIV), Vicenza, Italy*

5:30 PM - 5:40 PM

Are We Providing Optimal Care, Information, and Support to Living Kidney Donors? A Qualitative Study

K. Loban¹, J. Robert¹, H. Badenoch², A. Bugeja³, P. Nugus¹, C. Rodriguez¹, S. Sandal¹, ¹*McGill University, Montreal, QC, Canada*, ²*Canadian Donation and Transplantation Research Program, Ottawa, ON, Canada*, ³*The Ottawa Hospital, Ottawa, ON, Canada*

5:40 PM - 5:50 PM

Pre-Donation Hypertension and Post-Donation Kidney Function in Living Kidney Donors

E. Tantisattamo¹, S. Kunupakan², C. Puchongmart³, P. Naunsilp⁴, P. Wattanachayakul⁵, B. J. Hasjim⁶, N. Eguchi⁷, F. J. Ferrey¹, U. G. Reddy¹, D. C. Dafoe⁷, H. Ichii⁷, ¹*Division of Nephrology, Hypertension and Kidney Transplantation, Department of Medicine, University of California Irvine School of Medicine, Orange, CA*, ²*Ramathibodi Excellent Center for Organ Transplantation, Bangkok, Thailand*, ³*Department of Emergency Medicine, Banpheao General Hospital, Samut Sakhon, Thailand*, ⁴*Faculty of Medicine, Khon Kaen University, Khon Kaen, Thailand*, ⁵*Department of Microbiology, Faculty of Medicine Siriraj Hospital, Mahidol University, Bangkok, Thailand*, ⁶*Department of Surgery, University of California Irvine School of Medicine, Orange, CA*, ⁷*Division of Kidney and Pancreas Transplantation, Department of Surgery, University of California Irvine School of Medicine, Orange, CA*

5:50 PM - 6:00 PM

mKidney System: A Randomized Control Trial of a Mobile Health Platform for Collecting Living Donor Follow-Up Data

C. Sidoti¹, A. Chang², M. Waldram², J. Motter¹, A. Thomas², A. B. Massie¹, A. Bingaman³, L. Cooper², E. J. Gordon⁴, D. Segev¹, M. Levan¹, ¹*Department of Surgery, New York University, New York, NY*, ²*Johns Hopkins University, Baltimore, MD*, ³*HCA Florida Largo Hospital, Largo, FL*, ⁴*Department of Surgery, Vanderbilt University Medical Center, Nashville, TN*

6:00 PM - 6:10 PM

All-Cause Hospitalization Among Live Kidney Donors After Nephrectomy

A. Chang¹, A. Phung², S. Mehta², I. Massie², L. B. Zeiser³, J. Alejo², D. S. Warren², M. L. Levan³, C. Sidoti³, A. B. Massie³, D. L. Segev³, E. King², A. Muzaale², ¹*Johns Hopkins University School of Medicine, Baltimore, MD*, ²*Johns Hopkins School of Medicine, Baltimore, MD*, ³*NYU Grossman School of Medicine, New York, NY*

6:10 PM - 6:20 PM

Living Donor Champion Program: Innovation Leads to Lives Saved

K. Harrell¹, S. Puente², J. Woodworth¹, E. Thomas¹, ¹*UT Health San Antonio, San Antonio, TX*, ²*University Health, San Antonio, TX*

6:20 PM - 6:30 PM

Utility of Urinary Epidermal Growth Factor in Predicting Post-Donation Kidney Function

K. Droke¹, W. Ju², A. Naik³, M. D. Doshi³, ¹*University of Michigan, Ann Arbor, MI*, ²*Internal Medicine, University of Michigan, Ann Arbor, MI*, ³*Medicine, University of Michigan, Ann Arbor, MI*

6:30 PM - 6:40 PM

Impact of Area Social Deprivation Index on Long-Term Living Kidney Donor Outcomes

D. M. Vock¹, E. Helgeson², A. Matas², ¹*University of Minnesota, Minneapolis, MN*, ²*U Minn, Mpls, MN*

Program Topic: Organ Inclusive

Machine Learning, Artificial Intelligence, and Social Media in Transplantation

5:10 PM - 6:40 PM

Moderators:

Adeel Khan, MD, MPH, FACS¹, Washington University in St Louis, St Louis, MO, USA

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

5:10 PM - 5:20 PM

Development, Application, and Validation of a Histological Classification Automation System for Kidney Allograft Precision Diagnostics

V. Goutaudier¹, D. Yoo¹, G. Divard¹, J. Gueguen¹, O. Aubert¹, M. Raynaud¹, Z. Demir¹, J. Hogan¹, K. Investigators², E. Investigators³, M. Haas⁴, C. Lefaucheur¹,

M. Rabant¹, A. Loupy¹, ¹*Paris Transplant Group, Paris, France*, ²*KTD-Innov Consortium, Paris, France*, ³*EU-TRAIN Consortium, Paris, France*, ⁴*Cedars-Sinai Medical Center, West Hollywood, CA*

5:20 PM - 5:30 PM

Extended Validation of the iBox in Real Life Setting, Different Transplant Systems and Clinical Trials: The iBox EXTENDED Trial

S. Naser, G. Divard, M. Raynaud, N. Kamar, M. Naesens, D. Segev, B. Orandi, M. Stegall, H. Tedesco Silva Jr., C. Lefaucheur, O. Aubert, A. Loupy, *for the iBox Extended Trial Consortium, Paris, France*

5:30 PM - 5:40 PM

The Effect of Social Issues and the Impact of Mass Media Expressed in Portal on Organ Donation in Korea
H. Ahn, *Surgery, Kyung Hee University, Seoul, Korea, Republic of*

5:40 PM - 5:50 PM

Multi-Institutional Validation of Automated AI Banff Lesion Score Predictions from Renal Allograft Biopsies
L. A. Cooper¹, A. B. Farris², L. Allegretti³, D. A. Gutman², C. Rebello¹, J. Hogan⁴, J. Friedewald¹, ¹*Northwestern University, Chicago, IL*, ²*Emory University, Atlanta, GA*, ³*University of Wisconsin, Madison, WI*, ⁴*Université de Paris, Paris, France*

5:50 PM - 6:00 PM

A Visualization Model for Health-Related Big Data: Personalized Patient Contextualization After Kidney Transplantation

O. Rousseau¹, E. Geffard¹, A. Durand¹, M. Giral², A. Loupy², S. Brouard², C. Lefaucheur², E. Morelon², L. Couzi², N. Kamar², M. Le Quintrec², N. Vince¹, S. Limou¹, P. Gourraud¹, ¹*Nantes Université, CHU Nantes, Centrale Nantes, Inserm, Center for Research in Transplantation and Translational Immunology, UMR1064, Nantes, France*, ²*For the RHU KTD-Innov and Divat consortia, -, France*

6:00 PM - 6:10 PM

Community-Level Social Vulnerability and Liver Waitlisting and Transplantation of Cirrhosis Patients
P. Polineni¹, A. A. Huang¹, R. Huang¹, B. J. Hasjim¹, K. Guo¹, L. Zhao¹, A. Furmanchuk¹, M. M. Dehchesmeh², M. W. Lewis-Thames¹, L. M. McElroy³, D. C. Simpson¹, S. Mehrotra², L. B. VanWagner⁴, D. P. Ladner¹, ¹*Northwestern University Feinberg School of Medicine, Chicago, IL*, ²*Northwestern University, Evanston, IL*, ³*Duke University Medical Center, Durham, NC*, ⁴*UT Southwestern Medical Center, Dallas, TX*

6:10 PM - 6:20 PM

Dynameld: Accurate, Equitable Modeling of End-Stage Liver Disease

M. Cooper¹, X. Gao¹, Y. Wang¹, A. Azhie², D. Chahal³, S. Holdsworth⁴, R. G. Krishnan¹, M. Bhat⁴, ¹*Department of Computer Science, University of Toronto, Toronto, ON, Canada*, ²*University of Manitoba, Winnipeg, MB, Canada*, ³*University of British Columbia, Vancouver, BC, Canada*, ⁴*University Health Network, Toronto, ON, Canada*

6:20 PM - 6:30 PM

Identification of Novel Liver Transplant Biopsies Phenotypes Associated with Distinct Biological Profiles and Allograft Survival

Z. Demir¹, O. Aubert¹, M. Sebahg², J. Duong-Van-Huyen², D. Debray², F. Durand², V. Paradis², E. Vibert², C. Feray², C. Chardot², C. Francoz², C. Lefaucheur¹, A. Loupy¹, ¹*Paris Transplant Group, Paris, France*, ²*Assistance Publique-Hôpitaux de Paris, Paris, France*

Program Topic: Administrative

Quality Assurance Process Improvement & Regulatory Issues

5:10 PM - 6:40 PM

Moderators:

Linda Ohler, MSN, FAAN, CCTC FAST, Transplant Quality Institute, Vienna, VA, USA
Ashley Cardenas, MAS, CPHQ, CHC, LSSBB, University of California San Diego Health, Vista, CA, USA

5:10 PM - 5:20 PM

Impact of Sodium-Glucose Cotransporter-2 Inhibitor (SGLT2i) Use in Kidney Transplant Recipients

M. Arnaldi¹, G. K. Alzaneen², A. House², ¹*Nephrology, Western University, LHSC, London, ON, Canada*, ²*Nephrology, Western University, London, ON, Canada*

5:20 PM - 5:30 PM

Cordance by Data Source for Defining Donor Potential Using Cause, Age, and Location Consistent with Donation Used for New CMS OPO Regulations

J. Schold¹, R. Lopez¹, D. Zingmond², ¹*University of Colorado, Aurora, CO*, ²*University of California Los Angeles, Los Angeles, CA*

5:30 PM - 5:40 PM

Association of FDA Mandate Limiting Acetaminophen in Prescription Combination Opioid Products and

Subsequent Hospitalizations, Acute Liver Failure, and Liver Transplant

B. Orandi¹, C. McLeod², P. MacLennan², W. Lee³, R. Fontana⁴, C. Karvellas⁵, B. McGuire², C. Lewis², N. Terrault⁶, J. Locke², ¹*UAB/Cornell, Birmingham, AL*, ²*UAB, Birmingham, AL*, ³*UT Southwestern, Dallas, TX*, ⁴*U of MI, Ann Arbor, MI*, ⁵*U of Alberta, Edmonton, AB, Canada*, ⁶*USC, Los Angeles, CA*

5:40 PM - 5:50 PM

Discrepancies in Reported Outcomes Between National

Kidney Transplant Data Registries in the United States
M. Yu¹, S. Husain¹, K. L. King², R. Patzer³, A. Huml⁴, J. Schold⁵, S. Mohan¹, ¹*Columbia University Medical Center, New York, NY*, ²*Medicine - Nephrology, Columbia University Medical Center, New York, NY*, ³*Emory University, Atlanta, GA*, ⁴*Cleveland Clinic, Cleveland, OH*, ⁵*University of Colorado Anschutz Medical Campus, Aurora, CO*

5:50 PM - 6:00 PM

Understanding Kidney Transplant Wait-List Mortality Risk

J. Mehta, N. Mendonca, D. Tatum, D. Khirfan, M. Sharshir, A. Alper, H. Jeon, M. Killackey, A. Paramesh, A. Vijay, *Tulane University School of Medicine, New Orleans, LA*

6:00 PM - 6:10 PM

Improving Kidney Transplantation Outcomes Through Implementation of a Comprehensive Protocol for Early Recovery After Surgery (ERAS) in Kidney Transplant Recipients

P. J. Oh, M. Eltemamy, Y. Lin, C. Lansang, E. Poggio, D. Goldfarb, V. Krishnamurthi, A. Wee, *Cleveland Clinic, Cleveland, OH*

6:10 PM - 6:20 PM

Stability of New Cms Metrics for Organ Procurement Organizations: Comparison of 2 Consecutive Years

A. Israni, J. Snyder, *Hennepin Healthcare, Univ of MN, Scientific Registry of Transplant Recipients, Minneapolis, MN*

6:20 PM - 6:30 PM

A Single-Center Cross-Sectional Analysis of Vitamin D Management in Kidney Transplant Recipients: Are We Sufficiently Addressing Deficiency?

R. Anumolu¹, S. Martinez-Yamada¹, B. Schreiber¹, A. Chandraker², ¹*Brigham and Women's Hospital, Boston, MA*, ²*Medicine, Brigham and Women's Hospital, Boston, MA*

6:30 PM - 6:40 PM

Development of a Practical, Real-Time Liver Transplant Outcome Dashboard to Be Used During Patient Selection
A. S. Rosier, W. Sanchez, T. Taner, *Mayo Clinic, Rochester, MN*

Program Topic: Infectious Disease

CMV and PTLD

5:10 PM - 6:40 PM

Moderators:

Michael Green, MD, MPH, FAST, FIDSA, UPMC Children's Hospital of Pittsburgh, Pittsburgh, PA, USA
Aaron Mishkin, MD, MS, Temple University Hospital, Philadelphia, PA, USA

5:10 PM - 5:20 PM

CMV in Association with Important Outcomes in Kidney Transplantation
C. Y. Huang¹, K. Marr², N. Lu², S. Gopinath², D. Ostrander², F. Akinwande², D. Brennan², M. Y. Kim², S. Rajack², A. Solanki², W. Cochran³, N. Permpalung², Y. Tang⁴, I. Kolobova⁴, S. Shoham², R. K. Avery², ¹*Statistics, UCSF, San Francisco, CA*, ²*Medicine, Johns Hopkins, Baltimore, MD*, ³*Surgery, Johns Hopkins, Baltimore, MD*, ⁴*Merck & Co., Inc, Rahway, NJ*

5:20 PM - 5:30 PM

Real-World Experience with Cmv Insight T Cell Immunity Testing in Kidney and Pancreas Transplant Recipients
M. Jorgenson¹, E. Meyer², J. Descourouez², D. Mandelbrot², J. Smith², C. Saddler³, J. Odorico², ¹*University of Wisconsin Health, Madison, WI*, ²*UW Health, Madison, WI*, ³*University of Wisconsin Infectious Disease, Madison, WI*

5:30 PM - 5:40 PM

Letermovir is Effective for Cytomegalovirus Prophylaxis in a Large, Heterogeneous Solid Organ Transplant Population
G. N. Codispodo¹, D. Burack², D. M. Salerno³, N. W. Lange¹, J. Hedvat⁴, D. Kovac³, M. Pereira², ¹*Pharmacy, NewYork-Presbyterian Hospital, New York, NY*, ²*Columbia University Irving Medical Center, New York, NY*, ³*NewYork-Presbyterian Hospital, New York, NY*, ⁴*New York Presbyterian Hospital, New York, NY*

5:40 PM - 5:50 PM

Real-Life Clinical Implementation and Validation of a Strategy Based on Cmv-Specific Cell-Mediated Immunity

to Guide Cmv Preventive Therapy in Kidney Transplantation

D. Kervella¹, I. Cidraque¹, E. Crespo¹, L. Donadeu¹, A. Torija¹, M. Meneghini¹, F. Moreso¹, E. Melilli², N. Montero², T. Blanchard³, C. Kotton⁴, D. Kumar⁵, O. Bestard⁶, ¹*Translational Transplant Center, Vall D'Hebron University Hospital, Barcelona, Spain*, ²*Bellvitge University Hospital, Barcelona, Spain*, ³*Oxford Immunotec, Marlborough, MA*, ⁴*Massachusetts General Hospital, Boston, MA*, ⁵*University Health Network, Toronto, ON, Canada*, ⁶*Translational Transplant Center, Vall d'Hebron University Hospital, Barcelona, Spain*

5:50 PM - 6:00 PM

Assessing Viral Kinetics in SOT Recipients Receiving Maribavir for Resistant/Refractory Cmv Infection and/or Disease

J. Newman¹, N. Patel¹, A. Mills¹, F. Bartlett², C. Perez³, Y. Alkabab¹, D. Taber⁴, ¹*MUSC, Charleston, SC*, ²*Pharmacy, Medical University of South Carolina, Charleston, SC*, ³*Medical University of South Carolina, Charleston, SC*, ⁴*Med University of South Carolina, Charleston, SC*

6:00 PM - 6:10 PM

Outcome Characteristics by Organ Involvement or Non-Destructive Type in a Large 3 Center Cohort of Post-Transplant Lymphoproliferative Disorders (PTLD)
V. Dharnidharka¹, L. Walther², M. Agarwal², C. Goss, for the PTLT-MSMS Group², ¹*Washington University in St. Louis, Saint Louis, MO*, ²*Washington University School of Medicine, Saint Louis, MO*

6:10 PM - 6:20 PM

Tabelecleucel for Epstein-Barr Virus-Positive Post-Transplant Lymphoproliferative Disease After Failure of Rituximab ± Chemotherapy Following Solid Organ or Allogeneic Hematopoietic Cell Transplant (ALLELE)
K. M. Mahadeo¹, R. Baiocchi², A. Beitinjaneh³, S. Chaganti⁴, S. Choquet⁵, D. Dierickx⁶, R. Dinavahi⁷, L. Gamelin⁷, A. Ghobadi⁸, N. Guzman-Becerra⁷, A. Joshi⁷, A. Mehta⁷, S. Nikiforow⁹, R. Reshef¹⁰, S. Prockop¹¹, ¹*Duke University, Durham, NC*, ²*James Comprehensive Cancer Center, The Ohio State University, Columbus, OH*, ³*University of Miami/Jackson Memorial Hospital, Miami, FL*, ⁴*Centre for Clinical Haematology, University Hospital Birmingham, Birmingham, United Kingdom*, ⁵*Hospitaller Pitié Salpêtrière, Paris, France*, ⁶*University Hospitals Leuven, Leuven, Belgium*, ⁷*Atara Biotherapeutics, South San Francisco, CA*, ⁸*Washington University, Division of Oncology, St. Louis, MO*, ⁹*Dana-Farber Cancer Institute, Boston, MA*, ¹⁰*Columbia University Medical Center, NY, NY*, ¹¹*Boston Children's Hospital/Dana Farber Cancer*

Institute, Boston, MA

6:20 PM - 6:30 PM

Optimizing Epstein-Barr Virus Surveillance in Thoracic Transplantation for Early Diagnosis of Post-Transplant Lymphoproliferative Disorder

A. Kim¹, M. M. Joyce¹, N. S. Sharma¹, H. J. Goldberg¹, M. R. Mehra¹, M. M. Givertz¹, H. R. Mallidi¹, A. Itoh¹, A. Coppolino¹, M. A. Keshk¹, E. L. Woodcome¹, V. Durney¹, C. E. Harris¹, V. Kovac¹, B. E. Gewurz¹, N. C. Issa¹, A. S. LaCasce², L. R. Baden¹, A. E. Woolley¹, ¹Brigham and Women's Hospital, Boston, MA, ²Dana-Farber Cancer Institute, Boston, MA

6:30 PM - 6:40 PM

Epstein-Barr Virus-Associated Post-Transplant Lymphoproliferative Disorders in Pediatric Transplantation: A Prospective Multicenter Study in the United States

T. Tajima¹, D. Bernstein², S. Boyd³, D. Gratzinger³, G. Lum¹, K. Sasaki¹, B. Tan³, C. Twist⁴, K. Weinberg², M. Robien⁵, M. Brown⁵, B. Armstrong⁶, D. Desai⁷, G. Mazariegos⁸, C. Chin⁹, T. Fishbein¹⁰, A. Tekin¹¹, R. Venick¹², O. M. Martinez¹, S. M. Krams¹, C. O. Esquivel¹, ¹Abdominal Transplantation, Stanford University, Stanford, CA, ²Pediatrics, Stanford University, Stanford, CA, ³Pathology, Stanford University, Stanford, CA, ⁴Rosewell Park, Buffalo, NY, ⁵National Institute of Allergy and Infectious Diseases, Rockville, MD, ⁶Rho, Durham, NC, ⁷UT Southwestern Medical Center, Dallas, TX, ⁸UPMC Children's Hospital, Pittsburgh, PA, ⁹University of Cincinnati College of Medicine, Cincinnati, OH, ¹⁰MedStar Georgetown University Hospital, Washington, DC, ¹¹University of Miami Miller School of Medicine, Miami, FL, ¹²David Geffen School of Medicine at UCLA, Los Angeles, CA

Program Topic: Basic Science

Infection and Immunity: Basic

5:10 PM - 6:40 PM

Moderators:

Xunrong Luo, MD, PhD, Duke University School of Medicine, Durham, NC, USA
Michael Ison, MD MS, National Institutes of Health, Rockville, MD, USA

5:10 PM - 5:20 PM

Gaining Consensus Around Patient Risk Groups and Prognostic Profiles to Guide CMV Management Among

Patients with Allogeneic Hematopoietic Stem Cell Transplant (HSCT): Insights from a Delphi Panel with HSCT Experts

M. Graf¹, R. Tuly¹, P. Pednekar¹, J. W. Chou¹, C. Wang², K. Batt³, ¹PRECISIONheor, Bethesda, MD, ²Nephrology, Hennepin County Medical Center, Minneapolis, MN, ³Wake Forest Baptist Medical Center, Raleigh, NC

5:20 PM - 5:30 PM

Cross-Pathogen Proteomic Signatures of Acute and Convalescent Infection Identify Pan-Infection Signatures with Post-Transplant CMV and BKV Infection

T. Sigdel¹, S. Sur¹, P. Boada¹, S. McDermott², C. S. Lindestam Arlehamn³, K. O. Murray⁴, L. K. Bockenstedt⁵, M. Kerwin¹, E. Reed⁶, E. Harris⁷, K. Stuart², B. Peters³, A. Sesma⁸, R. R. Montgomery⁵, M. Sarwal¹, ¹UCSF, San Francisco, CA, ²Seattle Children Research Institute, Seattle, WA, ³La Jolla Institute for Immunology, La Jolla, CA, ⁴Baylor College of Medicine and Texas Children's Hospital, Houston, TX, ⁵Yale School of Medicine, New Haven, CT, ⁶University of California LA, Los Angeles, CA, ⁷University of California Berkeley, Berkeley, CA, ⁸Mount Sinai School of Medicine, New York City, NY

5:30 PM - 5:40 PM

Cytomegalovirus (CMV)-Specific T-Cell and Humoral Immune Responses in a Randomized Trial of Preemptive Antiviral Therapy (PET) vs Antiviral Prophylaxis (PRO) After High-Risk CMV D+R- Liver Transplant (LTx)

D. Zamora¹, S. Dasgupta¹, M. Wagener², M. Akoto¹, B. Edmison¹, T. Stevens-Ayers¹, D. Winston³, R. Razonable⁴, G. M. Lyon⁵, A. Mehta⁵, F. P. Silveira², D. Koelle⁶, M. Boeckh¹, N. Singh², A. Limaye⁶, ¹Fred Hutchinson Cancer Center, Seattle, WA, ²University of Pittsburgh, Pittsburgh, PA, ³UCLA Medical Center, Los Angeles, CA, ⁴Mayo Clinic College of Medicine, Rochester, MN, ⁵Emory University School of Medicine, Atlanta, GA, ⁶University of Washington, Seattle, WA

5:40 PM - 5:50 PM

Neutralizing and Cellular Responses Against SARS-CoV-2 Omicron BA.5 in Vaccinated and/or Infected Pediatric Solid Organ Transplant Recipients

K. Roznik¹, E. Thompson¹, W. Ngecu¹, T. Johnston¹, A. Karaba¹, D. Kalluri¹, R. Abedon¹, C. Qin¹, S. Auerbach², O. Charnaya¹, L. Danziger-Isakov³, A. Feldman², E. Hsu⁴, S. Mohammad⁵, E. Perito⁶, J. Garonzik-Wang⁷, J. McAteer¹, D. Mogul¹, W. Werbel¹, A. Cox¹, ¹JHU, Baltimore, MD, ²CHCO, Aurora, CO, ³CCHMC, Cincinnati, OH, ⁴SCH, Seattle, WA, ⁵VUMC, Nashville, TN, ⁶UCSF, San Francisco, CA, ⁷UWisc, Madison, WI

5:50 PM - 6:00 PM

Detectable Spike Antigen Following Third Mrna Sars-Cov-2 Vaccination is not Associated with Antibody Development in Kidney Transplant Recipients

A. Karaba¹, Z. Swank², M. Chahoud¹, S. Hussain¹, C. Larsen³, C. Durand¹, P. Heeger⁴, D. Segev⁵, D. Walt², W. Werbel¹, ¹*Johns Hopkins, Baltimore, MD*, ²*Harvard, Boston, MA*, ³*Emory, Atlanta, GA*, ⁴*Cedars Sinai, Los Angeles, CA*, ⁵*NYU, NY, NY*

6:00 PM - 6:10 PM

Optimising Adjuvant Effect of Rapamycin to Improve the Immunogenicity of Covid-19 Vaccines

C. Chai¹, G. Perkins², A. Yeow¹, M. Masavuli¹, Z. Mekonnen¹, R. Santos¹, S. Kireta³, P. R. Hurtado³, J. Johnston³, K. Pilkington⁴, I. Comerford⁵, C. Drogemuller³, B. Grubnor-Bauk¹, T. Coates¹, ¹*University of Adelaide, Adelaide, Australia*, ²*School of Biological Sciences, University of Adelaide, Adelaide, Australia*, ³*Royal Adelaide Hospital, Adelaide, Australia*, ⁴*Cytek Bioscience, Adelaide, Australia*, ⁵*University of Adelaide, Adelaide, Australia*

6:10 PM - 6:20 PM

Perturbations in the Urine Proteome to Distinguish COVID19 and Acute Rejection in Renal Transplantation

T. Sigdel, P. Boada, M. Kerwin, I. Damm, M. Sarwal, *UCSF, San Francisco, CA*

6:20 PM - 6:30 PM

The Septic Spleen Continuously Releases Neutrophils with Distinct Functional and Transcriptomic Signatures Into the Blood

L. Qiu, M. Looney, *University of California San Francisco, San Francisco, CA*

6:30 PM - 6:40 PM

Transplantation Increases CD8 T Cell Senescence Impacting Risk for Infection and Rejection After Kidney Transplantation

J. Schaenman, H. Pickering, M. Cappelletti, S. Sen, S. Bunnapradist, E. Reed, *David Geffen School of Medicine at UCLA, Los Angeles, CA*

Program Topic: Kidney

Kidney: Cardiovascular and Metabolic Complications
- 2

5:10 PM - 6:40 PM

Moderators:

Vanessa Humphreville, MD FACS, University of Minnesota, Minneapolis, MN, USA

Tamer Shaker, MD, Texas Transplant Institute, San Antonio, TX, USA

5:10 PM - 5:20 PM

Effect of mTORS vs CNI on Lipid Levels in Renal Transplant Recipients and the Role of the PCSK-9 Inhibitors in Lipid Management

S. Martinez-Yamada¹, R. Anumolu¹, J. Pandav², R. Saranu¹, X. Vela³, K. Safa³, A. Aala⁴, S. Muhsin¹, S. Gabardi⁵, A. Chandraker⁶, ¹*Brigham and Women's Hospital, Boston, MA*, ²*Nephrology, Icahn School of Medicine at Mount Sinai, New York, NY*, ³*Mass General, Boston, MA*, ⁴*Beth Israel Deaconess Medical Center, Boston, MA*, ⁵*Brigham And Women's Hospital, Boston, MA*, ⁶*Medicine, Brigham and Women's Hospital, Boston, MA*

5:20 PM - 5:30 PM

Clinical Effect of Early Statin Uses in Kidney Transplant Recipients: Results from the KNOW-KT Study

S. Yim, E. Min, M. Choi, S. Shin, M. Kang, H. Koh, H. Kim, K. Huh, M. Kim, J. Lee, *Surgery, Yonsei University College of Medicine, Seoul, Korea, Republic of*

5:30 PM - 5:40 PM

Long Term NODAT Outcomes from a Prospective Randomized Trial of Belatacept-Based versus Tacrolimus-Based Early Corticosteroid Withdrawal Regimens

E. Yanqui¹, E. Woodle¹, A. Govil¹, J. Kremer², M. Cuffy¹, M. Anand¹, R. Alloway¹, A. R. Shields², ¹*University of Cincinnati, Cincinnati, OH*, ²*The Christ Hospital, Cincinnati, OH*

5:40 PM - 5:50 PM

Remission of Diabetes Mellitus in Kidney Transplant Recipients with Pre-Transplant Diabetes: A Multicenter 1-Year Prospective Study

J. Bang, C. Oh, *Ajou University School of Medicine, Suwon, Korea, Republic of*

5:50 PM - 6:00 PM

Efficacy and Safety of Glucose Like Peptide-1 Receptor Agonist (GLP1-RA) in Patients with Diabetes Who Underwent Kidney Transplantation (KT): A Potential Approach to Improve Post-Transplant Metabolic Outcomes

H. Zelada¹, M. Campana², D. Redden³, V. Kumar⁴, ¹*Diabetes, Endocrinology and Metabolism, University of Alabama at Birmingham School of Medicine, Birmingham,*

AL, ²Diabetes, Endocrinology and Metabolism, University of Alabama at Birmingham, Birmingham, AL, ³Biostatistics, University of Alabama at Birmingham, Birmingham, AL, ⁴Transplant Nephrology, University of Alabama at Birmingham, Birmingham, AL

6:00 PM - 6:10 PM

Renal Benefits of Glucagon-Like Peptide-1 Receptor Agonists After Kidney Transplantation

S. Sahi^{*1}, A. Lemke¹, D. Duffy¹, B. Smith¹, P. Budhiraja², T. S. Diwan¹, M. D. Stegall¹, A. Denic¹, H. Wade³, W. Park¹, A. A. Abdelrheem¹, P. Shah¹, Y. C. Kudva¹, A. Kukla¹, ¹Mayo Clinic, Rochester, MN, ²Mayo Clinic, Phoenix, AZ, ³Mayo Clinic, Jacksonville, FL

6:10 PM - 6:20 PM

Are Sodium-Glucose Co-Transporter-2 Inhibitors (SGLT2i) Safe to Use in Kidney Transplant Recipients with Diabetes?

A. Angjeli¹, T. Montada-Atin², R. Nisenbaum³, N. Dacouris¹, M. Nash¹, J. Zaltzman², ¹Kidney Research Program, Unity Health Toronto- St. Michael's Hospital, Toronto, ON, Canada, ²Kidney and Metabolism Program, Unity Health Toronto- St. Michael's Hospital, Toronto, ON, Canada, ³Applied Health Research Centre, Unity Health Toronto- St. Michael's Hospital, Toronto, ON, Canada

6:20 PM - 6:30 PM

Thrombotic Risk in Kidney Transplant Recipients Treated with SGLT2 Inhibitors

M. Gill¹, M. Leung², C. Luo³, C. Cheung⁴, A. Beauchesne², D. Chang², O. Johnston³, ¹University of Western Ontario, London, ON, Canada, ²St Paul's Hospital, Vancouver, BC, Canada, ³Vancouver General Hospital, Vancouver, BC, Canada, ⁴Fraser Health Transplant Clinic, Surrey, BC, Canada

6:30 PM - 6:40 PM

Association of Variabilities in Body Mass Index and Metabolic Parameters with Kidney Outcomes After Kidney Transplantation

J. Oh, K. Kim, J. Yang, Internal Medicine, College of Medicine, Yonsei University, Seoul, Korea, Republic of

Program Topic: Kidney

Kidney Deceased Donor Selection

5:10 PM - 6:40 PM

Moderators:

Samuel Sultan, MD, Hackensack University Medical Center, Hackensack, NJ, USA

Kenneth Andreoni, MD, Thomas Jefferson University, Philadelphia, PA, USA

5:10 PM - 5:20 PM

Cold Ischemia Time (CIT), Pumping, and Delayed Graft Function (DGF) in Deceased Donor Kidney (DDK)

Transplant: A Paired Kidney Analysis

S. Khanna¹, M. Yu¹, K. L. King², S. Mohan³, S. Husain³, ¹Columbia University, New York, NY, ²Medicine - Nephrology, Columbia University Medical Center, New York, NY, ³Columbia University Medical Center, New York, NY

5:20 PM - 5:30 PM

A Glomerulosclerosis-Informed KDPI to Better Predict Long-Term Kidney Graft Survival

S. Weiss¹, J. Foutz¹, L. Kamal², M. Cooper³, B. Tanriover⁴, G. Gupta², D. E. Stewart⁵, ¹UNOS, Richmond, VA, ²Virginia Commonwealth University, Glen Allen, VA, ³MedStar Georgetown Transplant Institute, Washington, DC, ⁴University of Arizona College of Medicine, Tucson, AZ, ⁵NYU Langone Health, New York, NY

5:30 PM - 5:40 PM

Offer Decision-Making with Predictive Analytics in DonorNet Mobile Pilot Project

J. Wainright¹, L. Cartwright¹, M. Stuart¹, C. McCharen¹, M. Ghaffari², L. Board², D. Klassen³, ¹Research, UNOS, Richmond, VA, ²Information Technology, UNOS, Richmond, VA, ³Office of the Chief Medical Officer, UNOS, Richmond, VA

5:40 PM - 5:50 PM

Deceased Donor System Performance in a Jurisdiction with Early Communication Between Transplant and Opo Professionals

L. McMichael¹, D. Chang¹, I. Malley², H. Butler², S. Keenan², J. Gill¹, J. Gill¹, ¹University of British Columbia, Vancouver, BC, Canada, ²BC Transplant, Vancouver, BC, Canada

5:50 PM - 6:00 PM

Wait Time Advantage for Transplant Candidates with HIV Who Accept Kidneys from Donors with HIV

J. D. Motter¹, S. Hussain², S. Florman³, M. Rana³, R. Friedman-Moraco⁴, A. Gilbert⁵, P. Stock⁶, S. Mehta⁷, S. A. Mehta¹, V. Stosor⁸, N. Elias⁹, M. Pereira¹⁰, G. Haidar¹¹, M. Malinis¹², M. Morris¹³, J. Hand¹⁴, S. Aslam¹⁵, J. Schaanman¹⁶, J. Baddley¹⁷, C. Small¹⁸, D. Wojciechowski¹⁹, E. F. Hollinger²⁰, E. Blumberg²¹, J. Odum²², S. Apewokin²³, E. Giorgakis²⁴, A. Tobian², D. Segev¹, A. B. Massie¹, C. M.

Durand², ¹NYU, New York, NY, ²JHU, Baltimore, MD, ³Mt Sinai, New York, NY, ⁴Emory, Atlanta, GA, ⁵Medstar Georgetown, Washington, DC, ⁶UCSF, San Francisco, CA, ⁷UAB, Birmingham, AL, ⁸Northwestern, Chicago, IL, ⁹MGH, Milton, MA, ¹⁰Columbia, New York, NY, ¹¹UPMC, Pittsburgh, PA, ¹²Yale, New Haven, CT, ¹³University of Miami, Miami, FL, ¹⁴Ochsner, New Orleans, LA, ¹⁵UCSD, San Diego, CA, ¹⁶UCLA, Los Angeles, CA, ¹⁷UMD, Baltimore, MD, ¹⁸Weill Cornell, New York, NY, ¹⁹UT SW, Dallas, TX, ²⁰Rush, Chicago, IL, ²¹UPenn, Philadelphia, PA, ²²NIAID, Bethesda, MD, ²³University of Cincinnati, Cincinnati, OH, ²⁴UAMS, Little Rock, AR

6:00 PM - 6:10 PM

Transplanting Kidneys from HCV RNA-/Ab+ Donors: Opt-In Patterns and Post-Transplant Outcomes
D. E. Schaubel¹, N. Song¹, T. Bittermann¹, V. S. Potluri², D. S. Goldberg³, P. P. Reese², ¹University of Pennsylvania Perelman School of Medicine, Philadelphia, PA, ²University of Pennsylvania, Philadelphia, PA, ³University of Miami, Miami, FL

6:10 PM - 6:20 PM

Outcomes of Active and Resolved Covid-19-Positive Deceased Donor Kidney Transplants
M. Ji¹, M. Merzkani¹, S. Chang¹, K. Lentine², Y. Caliskan², K. Progar³, N. Nesselhauf³, C. Dubrawka³, T. Alhamad¹, ¹Washington University School of Medicine in St. Louis, Saint Louis, MO, ²Saint Louis University School of Medicine, Saint Louis, MO, ³Barnes-Jewish Hospital, Saint Louis, MO

6:20 PM - 6:30 PM

Outcomes from Donation After Circulatory Death Kidneys with Prolonged Warm Ischemia Times Are Comparable to All Deceased Donor Kidney Transplants
K. Alghannam¹, J. Loza², N. Goussous², J. Sageshima², N. Mineyev², R. Perez², P. Than², ¹Dept of Surgery, UC Davis Dept. of Surgery, Division of Transplant, Sacramento, CA, ²Dept of Surgery, UC Davis, Sacramento, CA

6:30 PM - 6:40 PM

Improved Early Outcome of Kidney Transplantation with the Use of Normothermic Regional Perfusion in Donation After Circulatory Death
S. Merani¹, M. Urban¹, S. Westphal¹, C. Miles¹, A. Hoffman², A. Maskin¹, A. Langnas¹, ¹University of Nebraska Medical Center, Omaha, NE, ²University of Alabama at Birmingham, Omaha, NE

Program Topic: Basic Science

Immunosuppression & Tolerance: Preclinical & Translational Studies

5:10 PM - 6:40 PM

Moderators:
Ginny Bumgardner, MD PhD FACS, Ohio State University, Columbus, OH, USA
Colin Lenihan, MD, Stanford University, Stanford, CA, USA

5:10 PM - 5:20 PM

Anti-CD40L-Based Desensitization and Immunosuppression Promotes Long-Term Graft Survival in Allosensitized Nonhuman Primate Kidney Transplantation
I. J. Anwar, I. DeLaura, Q. Gao, J. Yoon, J. M. Ladowski, J. Kwun, S. J. Knechtle, *Duke University Medical Center, Durham, NC*

5:20 PM - 5:30 PM

Use of Anti-IL-6 or Anti-IL-6R mAb Therapy in a Mixed Chimerism Protocol to Achieve Heart Allograft Tolerance in Non-Human Primates
C. L. Miller¹, J. M. O¹, A. Dehnadi¹, S. M. Landino¹, J. T. Nawalaniec¹, M. Momodu¹, D. Muldoon¹, J. M. Muoio¹, H. Lee¹, I. M. Hanekamp¹, J. S. Allan¹, G. Benichou¹, J. C. Madsen², ¹Center for Transplantation Sciences, Massachusetts General Hospital, Boston, MA, ²Center for Transplantation Sciences, Division of Cardiac Surgery, Massachusetts General Hospital, Boston, MA

5:30 PM - 5:40 PM

A Phase I/IIa Trial of Autologous Regulatory T Cell Therapy Together with Donor Bone Marrow Infusion in Kidney Transplantation
R. Oberbauer¹, M. Muckenhuber¹, J. Mucha¹, R. Reindl-Schwaighofer¹, A. Heinzl¹, G. Berlakovich¹, N. Worel¹, M. Wolzt¹, T. Lion¹, M. Edinger², T. Wekerle¹, *Medical Univ Vienna, Vienna, Austria, ²Univ Hosp Regensburg, Regensburg, Germany*

5:40 PM - 5:50 PM

Impact of Immunosuppression Withdrawal in Donor(hla)-specific Memory B Cell Responses in Pediatric Liver Transplant Recipients
A. Torija¹, D. Kervella¹, L. Donadeu¹, M. Meneghini¹, E. Crespo¹, R. Buchli², A. Sanchez-Fueyo³, J. Bucuvalas⁴, S. Feng⁵, O. Bestard¹, *Translational Transplant Center, Vall D'Hebron University Hospital, Barcelona, Spain, ²Pure Protein, LLC, Oklahoma City, OK, ³King's College London,*

London SE59RS, United Kingdom, ⁴Mount Sinai Hospital, New York, Spain, ⁵University of California San Francisco, San Francisco, CA

5:50 PM - 6:00 PM

Single Cell Analysis Reveals Distinct T Cell Receptor Repertoire of Ex Vivo Expanded Human Antigen Specific T Regulatory Cell Enriched Line (ASTRL)

S. Tripathi¹, Z. Zhuo², B. Schreiber¹, A. M. Waaga-Gasser¹, A. Chandraker¹, ¹Renal Medicine, Brigham and Women's Hospital, Harvard Medical School, Boston, MA, ²Biostatistics, Harvard T.H. Chan School of Public Health, Boston, MA

6:00 PM - 6:10 PM

Fc-Modified Anti-Cd154 Mab Induced Long Term Renal Allograft Survival without Thromboembolic Complications
R. Otsuka, G. Lassiter, T. Hirose, A. Karadagi, T. Tomosugi, I. Rosales, T. Kawai, Massachusetts General Hospital, Boston, MA

6:10 PM - 6:20 PM

An Exome-Wide Study of Renal Operational Tolerance
A. Massart¹, R. Danger², C. Olsen³, M. J. Emond⁴, O. Viklicky⁵, V. Jacquemin⁶, J. Soblet⁶, S. Duerinckx⁶, D. Croes⁷, C. Perazzolo⁶, P. Hrubá⁵, D. Daneels³, B. Caljon³, M. Sever⁸, J. Pascual⁹, I. Pirson⁶, L. Ghisdal⁶, G. Smits⁶, M. Giral², D. Abramowicz¹⁰, M. Abramowicz¹¹, S. Brouard², ¹UZ Antwerpen, Antwerp, Belgium, ²Nantes Université, Nantes, France, ³VUB, Brussels, Belgium, ⁴University of Washington, Seattle, WA, ⁵IKEM, Prague, Czech Republic, ⁶ULB, Brussels, Belgium, ⁷UCL, Brussels, Belgium, ⁸Tip Fakültesi, Istanbul, Turkey, ⁹Hospital Universitario 12 de Octubre, Madrid, Spain, ¹⁰UZA, Antwerp, Belgium, ¹¹HUG, Geneva, Switzerland

6:20 PM - 6:30 PM

A Novel Bi-Specific Fusion Protein with CTLA4-Ig/PD-L2 as a Novel Immunosuppressant Molecule Modulating Alloimmune Responses
D. Kervella¹, A. Torija¹, E. Crespo¹, L. Donadeu¹, J. Guiteras², N. Bolaños¹, J. Torras², J. Grinyó³, O. Bestard¹, ¹Translational Transplant Center, Vall D'Hebron University Hospital, Barcelona, Spain, ²IDIBELL, L'Hospitalet de Llobregat, Spain, ³Barcelona University, Barcelona, Spain

Program Topic: Infectious Disease

Polyoma Virus Infection

5:10 PM - 6:40 PM

Moderators:

Abhijit Naik, MBBS, MPH, FASN, University of Michigan, Ann Arbor, MI, USA

Parmjeet Randhawa, MD, University of Pittsburgh, Pittsburgh, PA, USA

5:10 PM - 5:20 PM

A Randomized Phase 2 Study of Mau868 vs Placebo for Bk Viremia in Kidney Transplant Recipients: Bk Viral Kinetics and Outcomes in Two Dosing Cohorts

S. C. Jordan¹, D. C. Brennan², A. K. Patick³, L. B. Gasink³, C. J. Lin⁴, A. P. Limaye⁵, ¹Cedars-Sinai Medical Center, West Hollywood, CA, ²Johns Hopkins School of Medicine, Baltimore, MD, ³Consultant, Vera Therapeutics, Brisbane, CA, ⁴Vera Therapeutics, Inc, Brisbane, CA, ⁵University of Washington, Seattle, WA

5:20 PM - 5:30 PM

Identifying the Hub Genes Driving Cells from Bk Polyomavirus Uninfected to Infected State at Single Cell Resolution in Vivo

G. Huang, S. Meng, F. Yang, H. Zhang, X. Chen, S. Yang, G. Zhao, The First Affiliated Hospital, Sun Yat-sen University, Guang Zhou, China

5:30 PM - 5:40 PM

Outcomes of Kidney Retransplant After Bk Nephropathy Graft Loss by Induction Type in the United States

R. El-Rifai¹, L. Fontana², S. Jackson³, S. M. Riad⁴, ¹Medicine, University of Minnesota, Minneapolis, MN, ²Medicine, University of Minnesota, Minneapolis, MN, ³MHealth Fairview, Minneapolis, MN, ⁴Medicine, Mayo Clinic Rochester, Rochester, MN

5:40 PM - 5:50 PM

BK Polyomavirus Integration Increases Both Host and Viral Oncogene Expression

Y. Wang¹, S. Yan¹, Y. Liu², Z. Yan¹, W. Deng¹, J. Geng³, R. Xia¹, W. Zeng¹, T. Zhao⁴, J. Xu¹, C. Wu⁴, Y. Miao¹, ¹Department of Transplantation, Nanfang Hospital, Southern Medical University, Guangzhou, China, ²Department of Gastroenterology and Hepatology, Beijing Youan Hospital, Capital Medical University, Beijing, China, ³Department of Pathology, Nanfang Hospital, Southern Medical University, Guangzhou, China, ⁴Departments of Urology and Pathology, Massachusetts General Hospital, Harvard Medical School, Boston, MA

5:50 PM - 6:00 PM

Allogeneic Immunity Helps Sustain Effective Bk-Virus Immune Responses and Prevents Bk-Virus Associated

Nephropathy

M. Dekeyser¹, M. de Goer de Herve², H. Hendel-Chavez², R. Lhotte³, E. Boutin⁴, F. Herr², I. Scriabine², J. Taupin³, Y. Taoufik², A. Durrbach², ¹Paris Saclay University INSERM UMR1186, Villejuif, France, ²UMR1186, Villejuif, France, ³UMR976, Paris, France, ⁴INSERM IMRB, Creteil, France

6:00 PM - 6:10 PM

Concurrent Jc Viremia is Associated with Poor Graft Outcome in Kidney Transplant Recipients with Polyomavirus-Associated Nephropathy

G. Huang¹, X. Chen¹, G. Zhao¹, H. Zhang¹, S. Yang¹, H. Yang², ¹First Affiliated Hospital of Sun Yat-sen University, Guangzhou, China, ²Fuda Cancer Hospital·Jinan University, Guangzhou, China

6:10 PM - 6:20 PM

Outcomes of BK Viremia in Simultaneous Heart and Kidney Transplants

S. Misra¹, D. E. Steidley¹, M. Klanderman¹, S. Attig¹, P. Patel², G. Mour¹, ¹Mayo Clinic, Phoenix, AZ, ²Mayo Clinic Florida, Jacksonville, FL

6:20 PM - 6:30 PM

The Significance of Tubular Basement Membrane C4d Deposition in Polyomavirus-Associated Nephropathy of Renal Allograft and Native Kidney

T. Wu¹, S. Yue², H. Wang¹, S. Yang¹, G. Huang³, W. Chen¹, ¹Department of Pathology, The First Affiliated Hospital of Sun Yat-sen University, Guangzhou, China, ²Department of Renal Pathology, Guangzhou Kingmed Diagnostic Laboratory Ltd, Guangzhou International Biological Island, Guangzhou, China, ³Organ Transplant Center, The First Affiliated Hospital of Sun Yat-sen University, Guangzhou, China

6:30 PM - 6:40 PM

Urinary Single-Cell Rna Sequencing Captures Immunosuppression of Regulatory T Cells in Bk Virus Associated Nephropathy

G. Huang, H. Zhang, F. Yang, X. Chen, G. Zhao, *The First Affiliated Hospital of Sun Yat-Sen University, Guangzhou, China*

Program Topic: Liver

Liver MELD Allocation and Recipient Selection

5:10 PM - 6:40 PM

Moderators:

Mark Orloff, MD, University of Rochester, Rochester, NY,

USA

Thomas Schiano, MD, The Mount Sinai Medical Center, ny, NY, USA

5:10 PM - 5:20 PM

Impact of Acuity Circles Model for Liver Allocation on Liver Transplantation for Patients with Alcohol Associated Liver Disease

D. M. Vock¹, S. Chinnakotla², ¹University of Minnesota, Minneapolis, MN, ²U Minn, Mpls, MN

5:20 PM - 5:30 PM

MELD is a Poor Predictor of Liver Transplant Futility Compared with Biomarkers of Severe Pre-Transplant Immune Dysfunction

T. Zoumpou¹, G. G. Panayotova¹, D. T. Nguyen², E. A. Graviss², S. Simonishvili¹, G. Prakash¹, J. Marsh¹, Y. Shah¹, Y. Qin¹, T. Ayorinde¹, L. Jin¹, J. Faybusovich¹, L. J. Minze², F. Paterno¹, A. Amin¹, G. Lee-Riddle¹, R. M. Ghobrial², J. V. Guarrera¹, K. E. Lunsford¹, ¹Rutgers New Jersey Medical School, Newark, NJ, ²Houston Methodist Hospital, Houston, TX

5:30 PM - 5:40 PM

Local Liver Procurement Post-Adoption of Acuity Circles Does Not Impact Graft Survival

E. H. Li¹, T. Ibeabuchi¹, T. Bittermann², N. Mahmud², S. Abu-Gazala², P. Abt², ¹Surgery, Hospital of the University of Pennsylvania, Philadelphia, PA, ²Hospital of the University of Pennsylvania, Philadelphia, PA

5:40 PM - 5:50 PM

MMA-T-3 Policy Implementation is Associated with Decreased Access to Transplant and Increased Use of Higher Risk Allografts for Hepatocellular Carcinoma Patients

E. M. Przybyszewski, E. K. Mitten, S. Yagos, L. Irwin, I. Bhan, E. D. Bethea, *Massachusetts General Hospital, Boston, MA*

5:50 PM - 6:00 PM

MUST-PEth: A Multicenter Study of Social Determinants of Health and Biochemical Alcohol Relapse in Patients Transplanted for Alcohol-Associated Liver Disease

K. Torosian¹, W. Johnson², A. Kwong³, N. Lim², V. Ajmera⁴, ¹Internal Medicine, UCSD, San Diego, CA, ²Hepatology, Univ. of Minnesota, Minneapolis, MN, ³Hepatology, Stanford, Redwood City, CA, ⁴Hepatology, UCSD, San Diego, CA

6:00 PM - 6:10 PM

Use of the Claims-Based Frailty Index for Pre-Transplant

Mortality in Cirrhosis Patients with Low MELD-Na
A. A. Huang¹, S. L. Olson¹, A. J. Thuluvath¹, P. Polineni¹, B. J. Hasjim¹, A. M. Flores¹, A. Duarte-Rojo¹, J. Doll¹, T. Banea¹, S. Mehrotra², D. P. Ladner¹, ¹Northwestern University Feinberg School of Medicine, Chicago, IL, ²Northwestern University, Evanston, IL

6:10 PM - 6:20 PM

Predicting of Success in Combined Cardiac Surgery and Liver Transplant: The LT+CS Risk Score

C. J. Wehrle¹, M. Khalil¹, L. Del Prete², M. Maspero¹, R. Raj¹, G. D'Amico¹, B. Eghtesad¹, F. Aucejo¹, M. Fujiki¹, C. D. Kwon¹, J. Kim¹, S. Chaudhry¹, M. Z. Tong³, C. Miller¹, A. Pita¹, K. Hashimoto¹, C. Quintini⁴, T. Diago Uso⁴, ¹Digestive Diseases and Surgery Institute, Cleveland Clinic Foundation, Cleveland, OH, ²I.R.C.C.S. Fondazione Ca' Granda Ospedale Maggiore Policlinico di Milano, Milan, Italy, ³Heart, Vascular and Thoracic Institute, Cleveland Clinic Foundation, Cleveland, OH, ⁴Cleveland Clinic Foundation, Abu Dhabi, United Arab Emirates

6:20 PM - 6:30 PM

Racial and Ethnic Disparities in Liver Transplantation for Alcohol-Associated Liver Diseases in the United States
M. Patel¹, A. Anouti², A. Singal¹, M. Mitchell¹, S. R. Lieber³, N. Rich¹, J. Arab¹, L. Diaz¹, J. Louissant¹, T. Kerr¹, A. Mufti¹, S. Hanish⁴, P. Vagefi⁵, M. Patel⁶, L. VanWagner¹, W. M. Lee¹, J. O'Leary¹, T. Cotter⁷, ¹UT Southwestern, Dallas, TX, ²Internal Medicine, University of Texas Southwestern, Dallas, TX, ³Internal Medicine / Division of Digestive and Liver Diseases, University of Texas at Southwestern Medical Center, Dallas, TX, ⁴UT Southwestern Medical Center, Dallas, TX, ⁵Massachusetts General Hospital, Dallas, TX, ⁶University of Texas Southwestern Medical Center, Dallas, TX, ⁷University of Texas Southwestern, Dallas, TX

6:30 PM - 6:40 PM

Where You Live Matters: Patients with Cirrhosis Living in More Deprived Neighborhoods are Associated with Lower Survival and Transplant Wait listing

B. J. Hasjim¹, A. A. Huang¹, P. Polineni¹, A. Harris¹, M. M. Dehchesmeh², M. Paukner¹, K. N. Kershaw¹, T. Banea¹, L. B. VanWagner³, S. Mehrotra², L. Zhao¹, D. P. Ladner¹, ¹Northwestern University Feinberg School of Medicine, Chicago, IL, ²Northwestern University, Evanston, IL, ³UT Southwestern Medical Center, Dallas, TX

6:40 PM - 6:50 PM

Asymmetry in Non-Standard Graft Use by Centers and the Impact on Low MELD Score Liver Transplant Rates

D. Goldberg¹, G. J. McKenna², ¹University of Miami, Miami,

FL, ²Simmons Transplant Institute, Baylor University Medical Center, Dallas, TX

Wednesday, June 7, 2023

IMPACT Sessions

7:00 AM - 8:00 AM

Program Topic: Intestine

Immunologic Concerns in Intestine Transplantation

7:00 AM - 8:00 AM

Moderators:

Thomas Schiano, MD, Mount Sinai Medical Center, NY, NY, USA

Shaheed Merani, MD, PhD, University of Nebraska Medical Center, Omaha, NE, USA

7:00 AM - 7:15 AM

Management of the High DSA Patient

Kishore Iyer, FACS, MBBS, FRCS, Mount Sinai Medical Center, New York, NY, USA

7:15 AM - 7:30 AM

Balancing Rejection and Infection Risk

Mayur Ramesh, MD, Henry Ford Transplant Institute, Detroit, MI, USA

7:30 AM - 7:45 AM

How to Apply Biomarkers in IT/MVT Going Forward

Joshua Weiner, MD, New York-Presbyterian/Columbia University Medical Center, New York, NY, USA

7:45 AM - 8:00 AM

Q&A

Program Topic: Administrative

Strategies for Leading a Transplant Program

7:00 AM - 8:00 AM

Moderators:

Edward Zavala, MBA, Vanderbilt University, Brentwood, TN, USA

Gwen McNatt, PhD, FNP-BC, FAAN, University of Iowa Hospitals & Clinics, Iowa City, IA, USA

7:00 AM - 7:15 AM

Managing Regulatory Aspects of Transplantation
Gwen McNatt, PhD, FNP-BC, FAAN, University of Iowa Hospitals & Clinics, Iowa City, IA, USA

7:15 AM - 7:30 AM

Managing Critical Financial Issues in Transplantation: The Medicare Cost Report
Andrea Tietjen, MBA, Saint Barnabas Medical Center, Verona, NJ, USA

7:30 AM - 7:45 AM

Managing a Transplant Team Through a Crisis
Laura Stillion, MHA, The Ohio State University Wexner Medical Center, Columbus, OH, USA

7:45 AM - 8:00 AM

Q&A

Program Topic: Pancreas

Pancreas: Capturing the Benefit-How to Rejuvenate Your Pancreas Transplant Program

7:00 AM - 8:00 AM

Moderators:
Darshana Dadhania, MD, MS, FAST, New York Presbyterian/Weill Cornell Medical Center, NY, NY, USA
Karthik Ramanathan, MD, University of Minnesota, Minneapolis, MN, USA

7:00 AM - 7:15 AM

Optimizing Surgical Approach and Immunosuppression for my Pancreas Recipient
Peter Stock, MD, PhD, University of California-San Francisco, San Francisco, CA, USA

7:15 AM - 7:30 AM

Recipient Selection - Does Advancing Age, BMI, and Insulin Dose Really Impact Outcomes for Pancreas Transplantation?
A Fridell, MD, Indiana University School of Medicine, Indianapolis, IN, USA

7:30 AM - 7:45 AM

Donor Selection - How Your Program can Start Growing...Increasing Procurement Confidence in the

Procuring Surgeon and the Recovering OPO
Ty Dunn, MD, Penn Medicine, Philadelphia, PA, USA

7:45 AM - 8:00 AM

Q&A

Program Topic: Public Policy and Regulatory Issues

Dead or Alive? How to Define Death in the Machine Preservation Era With Normothermic Regional Perfusion

7:00 AM - 8:00 AM

Moderators:
Korkut Uygun, PhD, Massachusetts General Hospital, Boston, MA, USA
Jorge Mallea, MD, Mayo Clinic Florida, Jacksonville, FL, USA

7:00 AM - 7:15 AM

Scientist's Perspective: What are the Limits of Death?
David Andrijevic, MD, Yale, New Haven, CT, USA

7:15 AM - 7:30 AM

Surgeon's Perspective: When is it too Late for an Organ?
Timothy Pruett, MD, Transplant Surgery, Minneapolis, MN, USA

7:30 AM - 7:45 AM

Ethicist's Perspective: When is it Ok to Procure?
Matthew DeCamp, MD, PhD, University of Colorado, Aurora, CO, USA

7:45 AM - 8:00 AM

Q&A

Program Topic: Pharmacy & Infectious Disease

New Tools to Tame the Troll of Transplant: CMV in 2023

7:00 AM - 8:00 AM

Moderators:
Melissa McGowan, PharmD, The Ohio State University, Columbus, OH, USA
Raymund Razonable, MD, Mayo Clinic College of Medicine, Rochester, MN, USA

7:00 AM - 7:15 AM

Clinical Pearls: Letemovir

Jennifer Byrns, PharmD, Duke University Hospital, Chapel Hill, NC, USA

7:15 AM - 7:30 AM

Management of Refractory CMV

Dora Ho, MD, PhD, Stanford School of Medicine, Stanford, CA, USA

7:30 AM - 7:45 AM

Personalizing CMV Treatment: Pros and Pitfalls of Immune Assays

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

7:45 AM - 8:00 AM

CMV Stewardship Strategies

Jillian Fose, PharmD, UW Health, Verona, WI, USA

Program Topic: Women's Health

Reproductive Rights Legislature and Impact on Pre- and Post-Transplant Patients

7:00 AM - 8:00 AM

Moderators:

Alexandra Shingina, MD, MSc, Vanderbilt University Medical Center, Nashville, TN, USA

Lisa Coscia, RN, BSN, CCTC, Transplant Pregnancy Registry International, Philadelphia, PA, USA

7:00 AM - 7:15 AM

Incidence, Prevalence, and Challenges of Pregnancies on Women with End-stage Organ Failure and Following Transplantation (Liver and Other Organs)

Alexandra Shingina, MD, MSc, Vanderbilt University Medical Center, Nashville, TN, USA

7:15 AM - 7:30 AM

Ethical Issues Surrounding the Supreme Court's Roe vs Wade Decision and Impact on Transplant Patients

Hector Ramos, MD, MSc FACS, HEC-C, Department of Surgery University of Southern California Keck School of Medicine, Los Angeles, CA, USA

7:30 AM - 7:45 AM

Legal Background on Roe vs Wade Repercussions for Transplant Professionals: Providing a Framework for Reproductive Right Discussion

Alexandra Glazier, JD, MPH, New England Organ Bank, Waltham, MA, USA

7:45 AM - 8:00 AM

Q&A

Program Topic: Pediatric & Kidney

Utility of Non-Traditional Donors in Pediatric Kidney Transplantation

7:00 AM - 8:00 AM

Moderators:

Rachel Engen, MD, MS, Rachel Engen, Madison, WI, USA
Patrick Almond, MD, FACS, MBA, Driscoll Children's Hospital, Corpus Christi, TX, USA

7:00 AM - 7:15 AM

Deceased After Cardiac Death Donors and Pediatric Candidates: an Opportunity to Expand the Donor Pool?
Christine Hwang, MD, University of Texas Southwestern Medical Center, Dallas, TX, USA

7:15 AM - 7:30 AM

Pediatric Donors for Pediatric Recipients: Time for a Reassessment

Jongwon Ha, MD, PhD, Seoul National University College of Medicine, Seoul, Korea, Republic of

7:30 AM - 7:45 AM

What's the Risk of Increased Risk: use of PHS Increased Risk Donors in Pediatric Transplantation

Sarah Kizilbash, MD, MS, University of Minnesota, Minneapolis, MN, USA

7:45 AM - 8:00 AM

Q&A

Program Topic: Organ Machine Perfusion

Machine Perfusion in Liver Transplantation: Current Usage and Future Directions

7:00 AM - 8:00 AM

Moderators:

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

Kristopher Croome, MD, Mayo Clinic Jacksonville, Jacksonville, FL, USA

7:00 AM - 7:15 AM

Increasing the Donor Pool Utilizing Normothermic Regional Perfusion in Donation After Cardiac Death
Eduardo Miñambres, MD, PhD, Marqués de Valdecilla University Hospital, Santander, Spain

7:15 AM - 7:30 AM

Current Status and Future Directions of Hypothermic Oxygenated Machine Perfusion
Philipp Dutkowski, MD, University Hospital Zurich, Zurich, Switzerland

7:30 AM - 7:45 AM

Can we Decrease Ischemic Cholangiopathy in DCD with Normothermic Machine Perfusion
Peter Friend, MD, FRCS, University of Oxford, Oxford, United Kingdom

7:45 AM - 8:00 AM

Q&A

Program Topic: Liver

Fueling the Fire or Quelling the Flames: Using Immunotherapy for Hepatocellular Carcinoma in the Setting of Liver Transplantation

7:00 AM - 8:00 AM

Moderators:

Manhal Izzy, MD, Vanderbilt University Medical Center, Nashville, TN, USA
John Fung, MD, PhD, University of Chicago, Chicago, IL, USA

7:00 AM - 7:15 AM

Review of the Utility of Immunotherapy in Liver Transplant Candidates

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

7:15 AM - 7:30 AM

PRO: Immunotherapy Can be used Safely in the Waitlisted Liver Transplant Candidates
Parissa Tabrizian, MD, MSc, FACS, Mount Sinai Medical Center NY, New York, NY, USA

7:30 AM - 7:45 AM

CON: Risk of Allograft Rejection is too High to Justify use in the Waitlisted Patients or Post Transplant Population
Neehar Parikh, MD, University of Michigan, Ann Arbor, MI,

USA

7:45 AM - 7:50 AM

PRO - Rebuttal

7:50 AM - 7:55 AM

CON - Rebuttal

7:55 AM - 8:00 AM

Q&A

Program Topic: Translational

Environmental Modifiers of Alloimmune Response

7:00 AM - 8:00 AM

Moderators:

Paolo Cravedi, MD, PhD, Mount Sinai, New York, NY, USA
Kassem Safa, MD, FASN, FAST, Massachusetts General Hospital, Boston, MA, USA

7:00 AM - 7:15 AM

Impact of Diet

John Iacomini, PhD, Tufts University School of Medicine, Boston, MA, USA

7:15 AM - 7:30 AM

Impact of Pollutants

Jessamyn Bagley, PhD, Tufts, Boston, MA, USA

7:30 AM - 7:45 AM

The Impact of the Gut Microbiota on the Metabolism of Immunosuppressive Medications

John Lee, MD, Weill Cornell Medicine, New York, NY, USA

7:45 AM - 8:00 AM

Q&A

Program Topic: Basic Science & Vascularized Composite Allograft

Transplant Immunology and Vascularized Composite Allografts

7:00 AM - 8:00 AM

Moderators:

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

William Kitchens, MD, PhD, Emory Transplant Center,
Atlanta, GA, USA

7:00 AM - 7:15 AM

Immunoregulatory and Lipid Presentation Pathways are
Upregulated in Human Face Transplant Rejection
Leonardo Riella, MD, PhD, Massachusetts General
Hospital Transplant Center, Boston, MA, USA

7:15 AM - 7:30 AM

Single Cell Analysis of VCA Alloresponses in a Mouse
Model of Limb Transplantation
Sheri Krams, PhD, Stanford University School of Medicine,
Stanford, CA, USA

7:30 AM - 7:45 AM

Targeted Immunosuppression to Prevent VCA Rejection
Giorgio Raimondi, PhD, Johns Hopkins School of
Medicine, Baltimore, MD, USA

7:45 AM - 8:00 AM

Q&A

Program Topic: Other

**A Bridge to Nowhere? What Destination Therapies
are Reasonable Options for Our Transplant Ineligible
Patients?**

7:00 AM - 8:00 AM

Moderators:

Justin Boike, MD, MPH, Northwestern University, Chicago,
IL, USA

Adam Mikolajczyk, MD, FACP, University of Illinois
Chicago, Chicago, IL, USA

7:00 AM - 7:15 AM

Destination VAD: When is the Right Time for Ventricular
Assist Devices in Congestive Heart Failure?

Jared Herr, MD, California Pacific Medical Center, San
Francisco, CA, USA

7:15 AM - 7:30 AM

Destination Dialysis: The ESRD Patient Ineligible for
Kidney Transplant: Home-dialysis Therapies are the Next
Best Option

Vikram Aggarwal, MD.DNB, Northwestern University,
Chicago, IL, USA

7:30 AM - 7:45 AM

Destination HCC Treatment: Ablation vs
Radioembolization in the Non-transplantable HCC Patient
Robert Lewandowski, MD, FSIR, Northwestern University,
Chicago, IL, USA

7:45 AM - 8:00 AM

Q&A

Break

8:00 AM - 8:15 AM

Plenary Oral Abstract Session

8:15 AM - 9:15 AM

Program Topic: All Topics

Plenary Oral Abstract Session 4

8:15 AM - 9:15 AM

Moderators:

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

Andrew Adams, MD, PhD, University of Minnesota,
Minneapolis, MN, USA

8:15 AM - 8:30 AM

Impact of Different Assumptions to Address the Impact of
Covid-19 on Transplant Center Measured Performance

J. D. Schold, J. Pomposelli, B. Kaplan, E. Pomfret,
University of Colorado, Aurora, CO

8:30 AM - 8:45 AM

Relevance of the Banff Human Organ Transplant
Consensus Gene Panel for Detecting Antibody and T-Cell
Mediated Rejection of Kidney Allografts

A. Giarraputo¹, D. Zielinski², V. Goutaudier², B. Robin², O.
Aubert², M. Haas³, A. Angelini⁴, M. Mengel⁵, C.
Lefaucheur², A. Loupy², ¹*Paris Transplant Group,*
Université de Paris, PARCC, INSERM, Paris, France, ²*Paris*
Transplant Group, Paris, France, ³*Cedars-Sinai Medical*
Center, Los Angeles, CA, ⁴*Cardiovascular Pathology Unit,*
Padova, Italy, ⁵*University of Alberta, Edmonton, AB,*
Canada

8:45 AM - 9:00 AM

Enzymatic Conversion of Human Blood Group a Kidneys
to Universal Blood Group O

S. MacMillan¹, S. S. Macdonald², J. N. Kizhakkedathu³, S.

G. Withers⁴, P. Rahfeld², S. A. Hosgood¹, M. L. Nicholson¹,
¹Department of Surgery, University of Cambridge,
Cambridge, United Kingdom, ²Avivo Biomedical Inc.,
Vancouver, BC, Canada, ³Department of Pathology and
Laboratory Medicine, University of British Columbia,
Vancouver, BC, Canada, ⁴Department of Chemistry,
University of British Columbia, Vancouver, BC, Canada

9:00 AM - 9:15 AM

Regulatory Dendritic Cell Therapy in Humans Safely
Modulates Peripheral and Allograft Immune Reactivity
After Liver Transplantation

L. Tran¹, C. Macedo², A. Zahorchak², A. D. Singhi³, A.
Srivastava¹, D. Landsittel⁴, F. Lakkis⁵, A. Humar⁶, D.
Metes², A. Thomson², ¹University of Pittsburgh School of
Medicine, Pittsburgh, PA, ²Starzl Transplantation Institute,
Pittsburgh, PA, ³Pathology, University of Pittsburgh
School of Medicine, Pittsburgh, PA, ⁴Indiana University,
Bloomington, IN, ⁵University of Pittsburgh Medical Center
- Thomas E. Starzl Transplantation Institute, Pittsburgh,
PA, ⁶Thomas E Starzl Transplant Inst, Pittsburgh, PA

ATC's People Choice Award

9:15 AM - 9:40 AM

ATC's People's Choice Award

Break

9:40 AM - 9:50 AM

Controversies in Transplantation

9:50 AM - 11:00 AM

Program Topic: Public Policy and Regulatory Issues

Just Not Allocation but Equity in Organ
Transplantation

9:50 AM - 11:00 AM

Moderators:

Henry Randall, MD, Saint Louis University, St. Louis, MO,
USA

Silas Norman, MD, University of Michigan, Ann Arbor, MI,
USA

9:50 AM - 10:10 AM

What is Equity in Organ Transplantation?

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

10:10 AM - 10:25 AM

NASEM report: Optimizing Quality and Quantity of
Donated Organs

Dorry Segev, MD, PhD, NYU, New York, NY, USA

10:25 AM - 10:40 AM

UNOS rebuttal to NASEM report

Matthew Cooper, MD, Medical College of Wisconsin,
Milwaukee, WI, USA

10:40 AM - 10:45 AM

NASEM Rebuttal

10:45 AM - 10:50 AM

UNOS Rebuttal

10:50 AM - 11:00 AM

Q&A

Program Topic: Basic Science & Translational

The Science of Fire and Ice: Machine Perfusion vs.
Cryopreservation

9:50 AM - 11:00 AM

Moderators:

Erik Finger, MD, PhD, University of Minnesota,
Minneapolis, MN, USA

To Be Determined

9:50 AM - 10:05 AM

The Science of Pumping: why Machine Perfusion is Here
to Stay

Peter Friend, MD, FRCS, FMedSci, University of Oxford,
Oxford, United Kingdom

10:05 AM - 10:20 AM

Cryopreservation is the Future

Korkut Uygun, PhD, Massachusetts General Hospital,
Boston, MA, USA

10:20 AM - 10:25 AM

Pro - Rebuttal

10:25 AM - 10:30 AM

Con - Rebuttal

10:30 AM - 11:00 AM

Q&A

Break

11:00 AM - 11:10 AM

Late Breaking Clinical Trials Oral Abstract Session

11:10 AM - 11:50 AM

Program Topic: All Topics

Late Breaking Clinical Trials Abstract Session

11:10 AM - 11:50 AM

Moderators:

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

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

11:10 AM - 11:20 AM

A Pilot Study Evaluating Dual Co-Stimulation Blockade with Dazodalibep (HZN4920) and Belatacept for Prophylaxis of Kidney Allograft Rejection

A. D. Kirk¹, J. Shoji², D. Wojciechowski³, J. Kim⁴, W. Xu⁵, T. M. Wilson⁵, F. Vincenti², ¹Duke University, Durham, NC, ²UCSF, San Francisco, CA, ³UTSW, Dallas, TX, ⁴Surgery, USC, Los Angeles, CA, ⁵Horizon Therapeutics, Rockville, MD

11:20 AM - 11:30 AM

Treg Modulation with CD28 and IL-6 Receptor Antagonists in Kidney Transplant Recipients: Results of CTOT-24, a Prospective Clinical Trial

S. Chandran¹, Q. Tang¹, J. Leung¹, B. Armstrong², J. Friedewald³, A. Kirk⁴, M. Morsheimer⁵, F. Vincenti¹, ¹UCSF, San Francisco, CA, ²Rho, Durham, NC, ³Northwestern U, Chicago, IL, ⁴Duke U, Durham, NC, ⁵NIAID, Bethesda, MD

11:30 AM - 11:40 AM

A Phase 2, Randomized Controlled Trial of Anti-CMV Monoclonal Antibody, Fizzasovimab, to Prevent CMV Infection in Kidney Transplant Recipients: The LionHeart21 Study

N. Ichimaru¹, R. Alloway², D. Wojciechowski³, N. Castillo Almeida⁴, N. Goto⁵, T. Watanabe⁶, Y. Natori⁷, K. Nakagawa⁸, H. Egawa⁹, ¹Kinki Central Hospital, Hyogo, Japan, ²University of Cincinnati College of Medicine,

³Cincinnati, OH, ³University of Texas Southwestern, Dallas, TX, ⁴University of Nebraska Medical Center, Omaha, NE, ⁵Japanese Red Cross Aichi Medical Center Nagoya Daini Hospital, Nagoya, Aichi, Japan, ⁶Nobelpharma Co., Ltd., Tokyo, Japan, ⁷University of Miami Miller School of Medicine, Miami, FL, ⁸Tokyo Dental College Ichikawa General Hospital, Chiba, Japan, ⁹Tokyo Women's Medical University, Tokyo, Japan

11:40 AM - 11:50 AM

Double Lung Transplant REgistry Aimed for Lung-Limited Malignancies (DREAM) - A Prospective Registry Study for Double Lung Transplantation for Medically Refractory Cancers Limited to the Lungs

Y. Chae, L. Chung, R. Tomic, A. Bharat, Northwestern University, Chicago, IL

What's Hot / What's New

11:50 AM - 12:30 PM

Program Topic: All Topics

What's Hot; What's New

11:50 AM - 12:10 PM

Clinical

Paige Porrett, MD PhD, University of Alabama at Birmingham, Birmingham, AL, USA

12:10 PM - 12:30 PM

Basic

Valeria Mas, PhD, University of Maryland, Baltimore, MD, USA