

Under the Patronage of His Excellency the Minister of Health  
Chairman of the Saudi Health Council

**Mr. Fahad Abdulrahman AlJalajel**

المؤتمر السعودي لزراعة الأعضاء  
**Saudi Transplant Congress 2025**  
1<sup>st</sup>. SCOT Annual Meeting



# SCIENTIFIC PROGRAM

المركز السعودي لزراعة الأعضاء  
Saudi Center for Organ Transplantation



 #SaudiTransplantCongress2025



المؤتمر السعودي لزراعة الأعضاء  
Saudi Transplant Congress 2025  
1<sup>st</sup>. SCOT Annual Meeting



29 April - 01 May 2025



Fairmont Riyadh Hotel, KSA

*Driving Change.. Inspiring Hope*



**DAY 01**  
**TUESDAY**  
**29 APRIL 2025**

DAY 01: TUESDAY 29 APRIL 2025

REGISTRATION | 08:00 - 09:00

Hall A (Marasem Ballroom)

09:00 - 09:20

**Opening Remarks by SCOT leadership: Organ Donation and Transplantation in the View of Vision 2030 and Health Transformation**

**Dr. Talal Algoufi**

SCOT General Director

09:20 - 10:20

**Keynote Presentation (1)**

**Innovating for Impact: Opportunities for Global Transplant Innovation**

**Dr. Andrew Klein**

Chief Medical Officer, UNOS, UK  
& innovation lead

**Dr. Austin Callwood**

Director, UNOS, USA

Poster Sessions

10:00 - 11:00

**Poster 1: Brain Death and the Extent of Acceptance of Donating Organs for the Brain-dead in the Arab Gulf Countries**

**Mr. Yaser Kattoa**

**Poster 2: Exploring Influencing Factors for the Wrong Decision from Kidney and Liver Failure Patients to Accept Organs Donation from Their Relatives**

**Mr. Yaser Kattoa**

**Poster 3: Analysis of the factors affecting the increasing in organ transplant waiting list for patient with organ failure in the Kingdom of Saudi Arabia**

**Mr. Yaser Kattoa**

**Poster 4: Challenges and Solutions for Patients on the Heart Transplant Waiting List**

**Mr. Muhannad Aldossary**

**Poster 5: Improving Outcomes for Patients on the Heart Transplant Waiting List**

**Mr. Muhannad Aldossary**

**Poster 6: Functional Capacity and Outcome of Autotransplantation of Thyroid Gland Tissue after Total Thyroidectomy for Benign Thyroid Disease**

**Dr. Ahmed Shalaby**

**Poster 7: Impact of a Dedicated Diabetes Clinic on Glycemic Control in Post-Solid Organ Transplant Recipients (Lung, Liver and Kidney): A Retrospective Longitudinal Study**

**Dr. Lama Amer**

**Poster 8: Opportunistic Infections in Immunocompromised Individuals: A Case Example of Pneumocystis JIROVECI Pneumonia in a Renal Transplant Patient**

**Dr. Ngozi Aikpokpo**

**Poster 9: Impact of Normothermic Machine Perfusion in Deceased Donor Liver Transplant for Hepatocellular Carcinoma**

**Dr. Karim Ali**

**Poster 10: Breaking the Weight Boundaries: Exceptional Kidney Transplant Outcomes in Children <12 kg and <10 kg**

**Dr. Ahmad Azzam**

DAY 01: TUESDAY 29 APRIL 2025

Hall A (Marasem Ballroom)

Hall B (MECCA Room)

**Plenary Session 1A**  
Programmatic Models for Organ Offer Acceptance and Procurement: Challenges and Solutions:

**Chairmen**  
Chair: Dr. Bandar Aljudaibi, Dr. Khalid Qattan  
Dr. Mansour Tawfeeq

10:20 - 10:40 **GCC's Vision: Unified Laws and Waitlist Implications**  
Dr. Ali Alobaidli  
Chairman of UAE National Transplant Committee, UAE

10:40 - 11:00 **The Spanish Model for Organ Offer Acceptance and Procurement: Challenges and Solutions**  
Dr. David Paredes  
Consultant 1, Spain

11:00 - 11:20 **Lessons from the US Organ Procurement and Transplant System**  
Dr. Andrew Klein  
Chief Medical Officer, UNOS, UK

11:20 - 11:40 **Q/A**

**Plenary Session 1B**  
Unlocking the Potential of HLA in Transplantation: Immunological and Clinical Considerations

**Chairmen**  
Dr. Hassan Aleid, Dr. Ibraim Alrajhi, Dr. Ashraf Dada

10:20 - 10:40 **Towards National Standardization of Histocompatibility and Immunogenetics Reporting and Diagnosis (Standardizing HLA Practice on a National Level)**  
Dr. Moheeb Al-Awwami  
Director, Histocompatibility and Immunogenetics Laboratory  
KSA

10:40 - 11:00 **Importance of Ischemia/ Reperfusion Injury in Allosensitization: Pathways to Prevention**  
Dr. Stanley Jordan  
Medical Director, Cedars-sinai Medical Center, USA

11:00 - 11:20 **Transplant Tolerance: New Insights and Strategies for Long-Term Allograft Acceptance**  
Dr. Ryutaro Hirose  
Surgeon

11:20 - 11:40 **Q/A**

PRAYER AND LUNCH | 11:40 - 12:40

**DAY 01: TUESDAY 29 APRIL 2025**

**Hall A (Marasem Ballroom)**

**Hall B (MECCA Room)**

**12:40 - 13:40** **Keynote Presentation (2)**  
**Transplant Safety Management System: A Human Factors and Dynamic Systems Risk Management Approach to Patient and Staff Safe Practices**  
**Prof. Paul Barach**  
 Professor, USA

**Plenary Session 2A**  
 Optimizing the Logistics of Organ Transportation and Preservation: From Living to Deceased Donors

**Plenary Session 2B**  
 Cross Border Collaboration Towards Developing Organ Donation and Transplant

**Chairmen**  
**Prof. W. Ray Kim, Dr. Fuat H. Saner**  
**Dr. Faisal Abalkhail**

**Chairmen**  
**Chair: Dr. Adel Qutub, Dr. Meteb AlBugami**

**13:40 - 14:00** **Living Donation Unveiled: Challenges and Breakthroughs**  
**Dr. Khalid Bin Saad**  
 Chairman, Hepatobiliary Sciences and Organ Transplant Center, KSA

**13:40 - 14:00** **Eurotransplant, Benefits in Organ Sharing in 8 European Countries**  
**Dr. Erwin de Buijzer**  
 Medical Director, Eurotransplant, Netherlands

**14:00 - 14:20** **Synergy in Action: OPOs and Transplant Centers Shaping the Outcomes of Transplants**  
**Dr. Ryutaro Hirose**  
 Surgeon, USA

**14:00 - 14:20** **GCC Organ Sharing Experience**  
**Dr. Ali Alobaidli**  
 Chairman of UAE National Transplant Committee, UAE

**14:20 - 14:40** **Enhancing Organ Viability: Impact of Machine Perfusion on Transplant Outcomes and Future Directions (Current Practice, Challenges)**  
**Dr. Sandra Lindstedt**  
 Professor In Cardiothoracic Surgery And Transplantation, USA

**14:20 - 14:40** **Bridging Beliefs: Global Perspective on how Cultural and Religious Beliefs Influences in Donation Practices**  
**Dr. Chadi Hage**  
 Professor Of Medicine- Director Of Lung Transplant, USA

**14:40 - 15:00** **Q/A**

**14:40 - 15:00** **Q/A**

**COFFEE BREAK & ASR PRAYER | 15:00 - 15:20**

**DAY 01: TUESDAY 29 APRIL 2025**

📍 Hall A (Marasem Ballroom)

📍 Hall B (MECCA Room)

**Plenary Session 3A**  
The Safety in Organ Transplantation

**Plenary Session 3B**  
New Horizons in Transplantation:  
Tissue and Vascular Composites

**Chairmen**

**Dr. Alanoud Alshami, Dr. Reem Alameer**

**Chairmen**

**Dr. Saleh Alabbad, Dr. Khalid Alwadi  
Dr. Khalid Bin Saad**

- 15:20 - 15:40 **Shaping the Future: Innovations and Breakthroughs in Liver Transplant Oncology**  
**Dr. Talia Baker**  
Transplant Surgeon, USA
- 15:40 - 16:00 **Prevention and Management of Infectious Diseases in Transplant Recipients and Donors**  
**Dr. Reem Al maghrabi**  
Consultant, KSA
- 16:00 - 16:20 **Emerging Pathogens: Adapting to New Challenge**  
**Dr. Chadi Hage**  
Director Of Lung Transplant, USA
- 16:20 - 16:40 **Q/A**

- 15:20 - 15:40 **Facial & Hand Allotransplantation**  
**Prof. Laurent Lantieri**  
Head of Department, Hôpital Européen Georges Pompidou, France
- 15:40 - 16:00 **Tissue Biobanking in Saudi Arabia A New Era**  
**Dr. Fahad Alfardan**  
Consultant, KSA
- 16:00 - 16:20 **Uterus Transplantation**  
**Dr. Liza Johannesson**  
Medical Director Uterus Transplant, USA
- 16:20 - 16:40 **Q/A**

**CLOSING REMARKS (END OF DAY 1) | 16:40 - 17:00**



**DAY 02**  
**WEDNESDAY**  
**30 APRIL 2025**



DAY 02: WEDNESDAY 30 APRIL 2025

📍 Hall A (Marasem Ballroom)

📍 Hall B (MECCA Room)

**08:30 - 09:30** **Keynote presentation (3)  
Revolutionizing Organ  
Transplantation with  
Robotic Surgery**  
Prof. Dieter Broering  
Executive Director Organ Transplant  
Centre Of Excellence, KSA

COFFEE BREAK | 09:30 - 10:00

THE AWARDING CEREMONY UNDER THE PATRONAGE OF HIS EXCELLENCY  
THE MINISTER OF HEALTH | 10:00 - 12:00

PRAYER AND LUNCH | 12:00 - 13:00

**Plenary Session 4A**  
Enhancing Governance in Organ Transplantation:  
The Role of Data Registries and AI in Shaping  
Allocation and Outcomes

**Chairmen**  
Dr. Bandar Aljudaibi, Dr. Wael Habhab  
Dr. Ehab Abufarhaneh

**13:00 - 13:20** **Big Data, Novel Analytics,  
& Real Impact**  
Dr. Andrew Klein  
Chief Medical Officer, UNOS, UK

**13:20 - 13:40** **Lessons from The Scientific  
Registry of Transplant Recipients  
in the United States**  
Dr. Ajay Israni  
Division Chief Of Nephrology,  
University Of Texas Medical Branch, USA

**13:40 - 14:00** **Managing Quality at Your  
Transplant Center: Know Your Data  
and Use Your Tools**  
Dr. Ryutaro Hirose  
Surgeon, USA

**14:00 - 14:20** Q/A

**Plenary Session 4B**  
Pediatric Transplantation in Focus:  
Challenges and opportunities

**Chairmen**  
Dr. Khalid A. Alhasan, Dr. Majed Alofi  
Dr. Yasser Kazzaz

**13:00 - 13:20** **Overcoming Barriers in Organ  
Donation and Transplantation  
for Pediatric Patients**  
Dr. Sonny Dhanani  
Pediatric Intensive Care, Canada

**13:20 - 13:40** **Breaking Barriers:  
ABO-Incompatible Kidney  
Transplantation in Pediatrics  
Expanding Donor Pool for Young  
Recipients**  
Dr. Alanoud Alshami  
Consultant Pediatric Transplant  
Nephrologist, KSA

**13:40 - 14:00** **Desensitization Strategies in  
Pediatric Kidney Transplantation:  
Overcoming Barriers to Improve  
Outcomes**  
Dr. Dechu Puliyaanda  
Cedars-Sinai Guerin Children's  
Hospital, USA

**14:00 - 14:20** Q/A

DAY 02: WEDNESDAY 30 APRIL 2025

Hall A (Marasem Ballroom)

Hall B (MECCA Room)

**Plenary Session 5A**  
The dilemma of Organ Allocation:  
Decision Making on Organ Donation

**Plenary Session 5B**  
The Crucial Role of Donor Coordinators  
and Transplant Coordinators

**Chairmen**  
Dr. Alanoud Alshami, Dr. Mohammed Shaheen

**Chairmen**  
Dr. Ahmed Almustafa, Mr. Ahmed Jaafari  
Dr. Brian Alvarez

- 14:20 - 14:40 **The model for end-stage liver disease (MELD) 3.0**  
Prof. W. Ray Kim  
Professor of Medicine, USA
- 14:40 - 15:00 **Lessons Learned from the Development of the Donation After Cardiac Death (DCD) Program**  
Dr. Sonny Dhanani  
Pediatric Intensive Care, Canada
- 15:00 - 15:20 **Opportunities for Improvement to the current Kidney allocation policies.**  
Dr. Dechu Puliyaanda  
Director, Cedars Sinai Guerin Children's, USA
- 15:20 - 15:40 **Q/A**

- 14:20 - 14:40 **Scrolling for Change: Innovative Social Media Strategies to Advance Living Donor and Deceased Organ Donation Awareness & Education**  
Dr. Talia Baker  
Transplant Surgeon, USA
- 14:40 - 15:00 **Role and Impact of the Transplant Coordinators in the Transplant Program - Shared Best Practice**  
Mr. Ali Ali  
Transplant Coordination Team Leader  
KSA
- 15:00 - 15:20 **Role of the Donor Coordinator in the National Transplant Program: without Donation there is no Transplantation**  
Dr. David Paredes  
Consultant 1, Spain
- 15:20 - 15:40 **Q/A**

COFFEE BREAK & ASR PRAYER | 15:40 - 16:00

DAY 02: WEDNESDAY 30 APRIL 2025

📍 Hall A (Marasem Ballroom)

📍 Hall B (MECCA Room)

**Plenary Session 6A**  
Navigating Ethical Challenges in Organ Transplantation

**Plenary Session 6B**  
Shaping the Future: Innovative Approaches and Cutting-Edge Technologies in Transplantation

**Chairmen**  
Dr. Faisal Al Suwaidan, Dr. Saleh A. Al Khunein  
Dr. Reem Shinawi

**Chairmen**  
Dr. Abdullah Alfuhaid, Dr. Ali alyami  
Dr. Maher Aldemerdash

- 16:00 - 16:20 **Beyond Limits: The Future of Donation**  
Dr. Mohammed Al Qahtani  
Executive Director , Multi-organ Transplant Center Of Excellence, KSA
- 16:20 - 16:40 **Navigating Ethical Challenges of End-Of-Life Decisions**  
Dr. Sonny Dhanani  
Pediatric Intensive Care, Canada
- 16:40 - 17:00 **Is it Permissible to Use Neurodevelopmental Status as Criterion for Pediatric Organ Transplant?**  
Dr. Aaron Wightman  
Associate Professor, USA
- 17:00 - 17:20 **Q/A**

- 16:00 - 16:20 **Innovate, Heal, Lead: Saudi Arabia's Journey to Advanced Tissue Engineering**  
Ms. Valerie Cruz  
CEO, USA
- 16:20 - 16:40 **Clinical Deployment of Machine Learning Tools in Transplant Medicine: What Does the Future Hold?**  
Dr. Mamatha Bhat  
Associate Professor, Canada
- 16:40 - 17:00 **Pioneering Advancements in Regenerative Medicine: An Overview of Research Conducted by the International Atomic Energy Agency in Tissue Banking, Artificial Tissue Engineering, and Stem Cell Therapy**  
Prof. Oleg Belyakov  
Radiation Biologist, Austria
- 17:00 - 17:20 **Q/A**

CLOSING REMARKS (END OF DAY 2) | 17:20 - 17:30



**DAY 03**  
**THURSDAY**  
**01 MAY 2025**

**DAY 03: THURSDAY 01 MAY 2025**

**Hall A (Marasem Ballroom)**

**Hall B (MECCA Room)**

**08:30 - 09:30** **Keynote presentation (4)**  
**Eurotransplant - 57 years**  
**of international collaboration**  
**in organ transplantation**  
**Dr. Erwin de Buijzer**  
Medical Director, Cedars-sinai Medical  
Center, Netherlands

**Plenary Session 7A**  
**Transplanting Hope: Donor & Recipient Criteria**  
**in Cancer Survivors**

**Chairmen**  
**Dr. Bandar Aljudaibi, Dr. Khalid Bzeizi**

**09:30 - 09:50** **Weighing the Risks:**  
**Donors with a Cancer History**  
**Dr. Brian Keller**  
Medical Director Of Lung  
Transplantation, USA

**09:50 - 10:10** **Pretransplant Solid Organ**  
**Malignancy: Recipient Perspective**  
**Dr. Talia Baker**  
Transplant Surgeon, USA

**10:10 - 10:30** **Cancer Survivors as Organ Donors,**  
**Navigating Clinical Insights and**  
**Decision-Making**  
**Dr. Brian Keller**  
Medical Director Of Lung  
Transplantation, USA

**10:30 - 10:50** **Q/A**

**Plenary Session 7B**  
**Beyond Boundaries: Advancements and**  
**Challenges in Multi-Organ Transplant**

**Chairmen**  
**Dr. Ali alyami, Dr. Ibrahim Alhassan**  
**Dr. Zahedah Khan**

**09:30 - 09:50** **Dual Organ Transplants: Clinical**  
**Breakthroughs and Considerations**  
**Dr. Marie Budev**  
Medical Director Lung and Heart Lung  
Transplant Program, USA

**09:50 - 10:10** **Outcomes and Best Practices in**  
**Small Bowel Transplantation**  
**Dr. Cal Satoshi Matsumoto**  
Director, Intestinal Care and Transplant,  
USA

**10:10 - 10:30** **Policy Matters: Implications of**  
**Multi-Organ Allocation Strategies**  
**and policies**  
**Dr. Erika Lease**  
Professor, USA

**10:30 - 10:50** **Q/A**

**COFFEE BREAK | 10:50 - 11:10**

**DAY 03: THURSDAY 01 MAY 2025**

📍 Hall A (Marasem Ballroom)

📍 Hall B (MECCA Room)

**Plenary Session 8A**  
Innovation in Transplantation: The Digital Era

**Plenary Session 8B**  
Oral abstract Presentations

**Chairmen**  
Dr. Abdulrahman Altamimi, Dr. Abdulrahman Altheaby, Dr. Mohammed Jawad

**Chairmen**  
Dr. Bandar Aljudaibi, Dr. Talia Baker  
Dr. Mohammed Shaheen

- 11:10 - 11:30** **Artificial Intelligence in Transplant Medicine: Enhancing Decision-Making and Outcome**  
Dr. Mamatha Bhat  
Associate Professor, Canada
- 11:30 - 11:50** **AI in Organ Transplants: Shaping the Future of Medicine**  
Dr. Mohamad-Hani Temsah  
Professor Of Pediatrics, Pediatric Inten-sivist, KSA
- 11:50 - 12:10** **The Donation Advisor Tool, an AI Algorithm to Predict Time to Death and Standardizing Donation after Circulatory Death (DCD) Eligibility Assessment**  
Dr. Sonny Dhanani  
Pediatric Intensive Care, Canada
- 12:10 - 12:30** **Q/A**

- 11:10 - 12:30** **6 Oral Presentations**
  - The number of Incompatible Epitopes/Eplets of Class Ii Human Leukocyte Antigens (HLA-II) predicts the Formation of de novo Donor-Specific Antibodies After Liver Transplantation**  
Prof. Andrew Lobashevsky  
Hla Laboratory Director, USA
  - Assessment of Deceased Brain Death Organ Donation Rates in Saudi Arabia: 2023 Analysis**  
Ms. Lina Aldakhil  
Researcher, KSA
  - HLA Genotype Frequencies in Saudi Arabia: Enhancing Organ Transplantation and Development of a National PRA Calculator**  
Ms. Jamail Ghafwari  
Medical Research Specialist, KSA
  - Disparities in outcomes among patients waitlisted for lung transplantation in Saudi Arabia: A 10-year retrospective study**  
Dr. Rayid Abdulqawi  
Transplant Pulmonary Consultant, KSA
  - Investigating the Determinants of Low Deceased Brain Death Organ Donation Consent Rates in Saudi Arabia: An In-Depth Analysis of Underlying Factors.**  
Dr. Abdulkarim Alshadokhi  
Organ Procurement Specialist, KSA
  - Cellular and Phenotypical Analysis of the Peripheral Immune Cell Compartment in Lung Transplantation may predict Primary Graft Dysfunction**  
Dr. Alaa Alzhrani  
Scientist, KSA

**PRAYER AND LUNCH | 12:30 - 13:30**

**DAY 03: THURSDAY 01 MAY 2025**

**Organ Donation Forum** 📍 Hall C (Dammam Room) 13:00 - 16:00

**Chairmen**  
**Dr. Saleh Alkhunein**  
 Consultant Neuroanesthesiologist and Neurointensivist  
 KSA

**Mr. Mohammed Alomar**  
 Head of Patient Rights Unit- Al Ahsaa  
 KSA

📍 Hall A (Marasem Ballroom)

📍 Hall B (MECCA Room)

**13:30 - 14:30** **Keynote presentation (5)**  
**Xeno Heart and Kidney Transplant: Its Happening , But Many Lessons Remain**  
**Dr. Bartley Griffith**

**Plenary Session 9A**  
**The Cutting Edge: Advances in Minimally Invasive Transplant Surgery**

**Plenary Session 9B**  
**Addressing Kidney Transplant Shortage and Expanding Donation’s Horizon: The Potential of Kidney Paired Exchanges (KPD)**

**Chairmen**  
**Prof. Dieter Broering, Dr. Mohammed Alqahtani**  
**Dr. Ibrahim Alhassan**

**Chairmen**  
**Dr. Abdunasser Alabbadi, Dr. Nasser Alnazari**

- 14:30 - 14:50** **Recommendations from the MIOT conference**  
**Dr. Dimitri A Raptis**  
 Consultant, KSA
- 14:50 - 15:10** **Triple Organ Transplantation**  
**Dr. Rolf Barth**  
 Professor of Surgery, Co-director Transplant Institute, USA
- 15:10 - 15:30** **The Future of Organ Transplantation: Ethical Challenges and Opportunities**  
**Dr. Bartley Griffith**
- 15:30 - 15:50** **Q/A**

- 14:30 - 14:50** **Kidney Paired Donation, Principles, Challenges and Potential Expansion**  
**Dr. Abdulrahman Altheaby**  
 Consultant, KSA
- 14:50 - 15:10** **Increasing Transplantability: The Role of HLA Matching and Virtual Crossmatching**  
**Dr. Khalid Al Meshari**  
 Consultant, Adult Transplant Nephrology, KSA
- 15:10 - 15:30** **Breaking Down Barriers to Transplantation: Strategies to Manage Highly sensitized Patients, Desensitization Therapies and their Clinical Outcomes**  
**Dr. Brian Keller**  
 Medical Director Of Lung Transplantation, USA
- 15:30 - 15:50** **Q/A**

**CLOSING REMARKS (END OF DAY 3) | 15:50 - 16:10**





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