

ASIAN TRANSPLANTATION WEEK 2021

Day 1. October 7 (Thu)

08:30-10:00 **PG Course 1 (Education Committee)** Grand Ballroom B, 3F (Room 1)
Application of information technology to the field of solid organ transplantation

MODERATOR(S) Hee Chul Yu (Korea), Sang Il Kim (Korea)

08:30-09:15 Where are we now and where are we going in digital health care in solid organ transplant?
Kwang Joon Kim (Korea)

09:15-10:00 How to deal with big data in the solid organ transplant?
Jae Hyun Kim (Korea)

10:00-10:20 Coffee Break

10:20-11:50 **PG Course 2 (Kidney)** Grand Ballroom B, 3F (Room 1)
Update in immunosuppression for kidney transplantation

MODERATOR(S) Yeong Hoon Kim (Korea), Sangho Lee (Korea)

10:20-10:50 Prevention and treatment of ABMR
Yoshihiko Watarai (Japan)

10:50-11:20 New desensitization agents for kidney transplantation
Stanley Jordan (United States)

11:20-11:50 Monitoring and management for recurrent glomerulonephritis
Hajeong Lee (Korea)

10:20-11:50 **PG Course 3 (Liver)** Grand Ballroom A, 3F (Room 2)
To go or not to go; Various limits and the outcomes in liver transplantation

MODERATOR(S) Jae-Won Joh (Korea)

10:20-10:38 Age limit of donor and recipient in liver transplantation
Dong-Sik Kim (Korea)

10:38-10:56 Anatomical limits in liver transplantation
Kenneth Chok (Hong Kong)

10:56-11:14 Donor and recipient selection and risk prediction in DCD
Paolo Muiesan (United Kingdom)

Day 1. October 7 (Thu)

11:14-11:32 Acute on chronic liver failure : when to transplant, when not to transplant
Gi-Won Song (Korea)

11:32-11:50 Liver transplantation for hepatocellular carcinoma with macrovascular invasion
Hae Won Lee (Korea)

11:50-12:00 Break

12:00-13:00 **Lunch** Grand Ballroom B, 3F (Room 1)

13:00-13:10 Break

13:10-14:40 **PG Course 4 (Basic)** Grand Ballroom B, 3F (Room 1)
Organoids: Modelling organ development and applications

MODERATOR(S) Kyungho Choi (Korea), Hyori Kim (Korea)

13:10-13:32 Engineering organoids for regenerative medicine
Seungwoo Cho (Korea)

13:32-13:54 Microphysiological system based organoid culture
Gi Seok Jeong (Korea)

13:54-14:16 Development of mosaic genetics in a mammalian system
Bon-Kyung Koo (Austria)

14:16-14:38 Organoid Models of Human and Mouse Ductal Pancreatic Cancer
Chang-il Hwang (United States)

13:10-14:40 **Reviewer Training Course I** **Korean** Grand Ballroom A, 3F (Room 2)

MODERATOR(S) Eun-Jee Oh (Korea), Jung-Hwan Park (Korea)

13:10-13:20 Introduction of education course and current status of KJT
Ik Jin Yun (Korea)

13:20-14:00 Improving communication skills for reviewing English journal articles
Yunhee Whang (Korea)

14:00-14:40 Introduction to Publon
Hye-Min Cho (Korea)

Day 1. October 7 (Thu)

13:30-14:30 **Vitallink Symposium 1** Room 3
Asian Country Transplantation Activity Report Deceased Organ Transplantation

MODERATOR(S) Ghazali Ahmad (Malaysia), Curie Ahn (Korea)

13:30-13:40 Thailand
Cholatip Pongkul (Thailand)

13:40-13:50 Malaysia
Diana Mohd Shah (Malaysia)

13:50-14:00 Taiwan
Hsu-Han Wang (Taiwan)

14:00-14:15 Gender disparity in organ transplantation in Asia (ASTREG-WIT-KT)
Yeong Hoon Kim (Korea)

14:15-14:30 Asian Transplantation Activity Summary(ASTREG)
Jong Cheol Jeong (Korea)

14:40-14:50 Break

14:50-16:20 **PG Course 5 (Pathology/Laboratory)** Grand Ballroom B, 3F (Room 1)
New insights in Antibody-Mediated Rejection

MODERATOR(S) Eun-Jee Oh (Korea), Kyu Ha Huh (Korea)

14:50-15:10 Basic concept of HLA epitope analysis in transplantation
Borae G Park (Korea)

15:10-15:30 Clinical application of epitope matching and analysis: current status and update
Hyeyoung Lee (Korea)

15:30-15:35 Discussion

15:35-15:55 Pathological diagnosis of antibody-mediated rejection in liver transplantation
Hyo Jeong Kang (Korea)

15:55-16:15 Pathological diagnosis of antibody-mediated rejection in heart and lung transplantation
Beom Jin Lim (Korea)

16:15-16:20 Discussion

Day 1. October 7 (Thu)

14:50-16:20 **Reviewer Training Course II** **Korean** Grand Ballroom A, 3F (Room 2)

MODERATOR(S) Chul Woo Yang (Korea), Ik Jin Yun (Korea)

14:50-15:20 How to Write a Good Peer Review (Focused on STROBE, CARE)
Soo Young Kim (Korea)

15:20-15:50 Review Practice: guidelines
Sun Huh (Korea)

15:50-16:20 Discussion

14:50-15:30 **Vitalink Symposium 2** Room 3
School Education on Organ Donation and Transplantation

MODERATOR(S) Faissal A.M. Shaheen (Saudi Arabia), Samuel Lee (Korea)

14:50-15:00 USA
Medhat Askar (United States)

15:00-15:10 TTS & Dutch Transplant Foundation and the Canadian Society of Transplantation
Marcelo Cantarovich (Canada)

15:10-15:20 Korea
Hyun Bae Yoon (Korea)

15:20-15:30 Q&A

15:30-16:10 **Vitalink Symposium 3** Room 306, 3F (Room 3)
Financial burden on deceased organ donation

MODERATOR(S) Jeremy Chapman (Australia), So Yeon Kim (Korea)

15:30-15:45 DICG point of view on financial neutrality
Dong Hyeon Lee (Korea)

15:45-16:10 Panel discussion (Online)
Harun Ur Rashid (Bangladesh)
Vivek B.Kute (India)
Lkhaakhuu Od-Erdene (Mongolia)
Khin Maung Htay (Myanmar)
Ha Phan Hai An (Vietnam)

16:20-16:40 Coffee Break

Day 1. October 7 (Thu)

16:40-17:40 **Opening Session** Grand Ballroom (3F)

MODERATOR(S) Jongwon Ha (Korea)

16:40-16:50 Opening Remarks
Soon-Il Kim (Korea)

16:50-17:20 How to promote transplantation in developing countries
Elmi Muller (Republic of South Africa)

17:20-17:40 Choir Performance

17:40-17:50 Break

17:50-18:30 **KST Board Meeting** **Korean** Grand Ballroom B, 3F (Room 1)

Day 2. October 8 (Fri)

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|--------------|--|-------------------------------|
| 09:00-10:00 | COVID-19 Report | Grand Ballroom B, 3F (Room 1) |
| MODERATOR(S) | Myoung Soo Kim (Korea) | |
| 09:00-09:25 | COVID-19 infections in Korean transplant recipients Sang Il Kim (Korea) | |
| 09:25-10:00 | Instructive cases and literature review of COVID-19 Kyungmin Huh (Korea) | |
| 09:00-10:00 | KST Sponsored Research Project I | Grand Ballroom A, 3F (Room 2) |
| MODERATOR(S) | Oh Jung Kwon (Korea), Sangho Lee (Korea) | |
| 09:00-09:15 | In vitro assessment of hemolytic activity of ABO antibodies using complement dependent cytotoxicity Dae-Hyun Ko (Korea) | |
| 09:15-09:30 | Clinical impact of IgG subclass and C1q Binding Donor-Specific HLA Antibodies in kidney transplantation Hyeyoung Lee (Korea) | |
| 09:30-09:45 | The Immuno-regulating Effects of Bisphosphonates on Dendritic cells Beom Seok Kim (Korea) | |
| 09:45-10:00 | Research for novel mechanism of immunosuppression through PD-1/PD-L1 pathway Kyo Won Lee (Korea) | |
| 09:00-10:00 | KST Sponsored Research Project II | Room 306, 3F (Room 3) |
| MODERATOR(S) | Kwang-Woong Lee (Korea), Cheol Woong Jung (Korea) | |
| 09:00-09:15 | In vivo imaging of renal microvasculature in murine ischemia-reperfusion injury models using optical coherence tomography angiography Jang-Hee Joh (Korea) | |
| 09:15-09:30 | LI-RADS on MRI Predicts Recurrence of Hepatocellular Carcinoma After LT Within the Milan Criteria: A Multicenter Study Sunyoung Lee (Korea) | |
| 09:30-09:45 | The effect of Intraductal Transanastomotic Stent in Reducing Biliary Complication after Duct-to-Duct Biliary Reconstruction in Living Donor Liver Transplantation Ho Joong Choi (Korea) | |
| 09:45-10:00 | Application of ECD Criteria based on the New K-KDPI to Allocation System of KONOS Jaeseok Yang (Korea) | |

Day 2. October 8 (Fri)

09:00-10:50 **Poster Presentation 1 (Kidney)** Exhibition Hall, 5F

MODERATOR(S) **Hyung Joon Ahn** (Korea), **Chan Duck Kim** (Korea)

- 09:00-09:10 Robot-assisted kidney transplantation : A single-center experience
Seoungjun Lim (Korea)
- 09:10-09:20 Successful treatment of calciphylaxis which was developed after kidney transplantation: case report
Jun Young Lee (Korea)
- 09:20-09:30 Clinical Implication of C1q Deposition in Kidney Transplantation
Eun-Ah Jo (Korea)
- 09:30-09:40 Clinical significance of chronic active T-cell mediated rejection
Ahram Han (Korea)
- 09:40-09:50 Expansion and Characterization of Regulatory T cell Populations from Korean Kidney Transplant Recipients
Jinhyuk Baek (Korea)
- 09:50-10:00 Expansion and Characterization of Regulatory T cell Populations from Acute Kidney Injury Patients
Youngchan Park (Korea)
- 10:00-10:10 Eculizumab as rescue therapy in a renal transplant recipient with atypical HUS: a case report
Joohyun Lee (Korea)
- 10:10-10:20 Ginsenoside Rg3 attenuates ischemia reperfusion induced renal injury in mice via induction of autophagy flux
Jin Ah Shin (Korea)
- 10:20-10:30 A Case of Successful Treatment of Chronic Active T-Cell Mediated Rejection after High-Dose Immunoglobulin Administration in BK Virus Nephropathy Not Responding to Immunosuppressant Reduction
Joon Seok Oh (Korea)
- 10:30-10:40 Non-invasive diagnosis for acute rejection using blood mRNA signature reflecting allograft status in kidney transplantation
Ahrim Han (Korea)
- 10:40-10:50 Acute T cell-mediated rejection after administration of the BNT162b2 mRNA COVID-19 vaccine in a kidney transplant recipient without a history of acute rejection for 13 years
Hye-won Jang (Korea)

Day 2. October 8 (Fri)

10:00-10:20 Coffee Break

10:20-12:00 **Plenary Session I** Grand Ballroom (3F)

MODERATOR(S) Jongwon Ha (Korea), Soon-Il Kim (Korea)

10:20-11:10 How the Innate Immune System Senses Allografts
Fadi Lakkis (United States)

11:10-12:00 The Growth of Pancreas Transplantation for Type 2 Diabetics in the US
Matthew Cooper (United States)

12:00-12:10 Break

12:10-13:10 **Industry Symposium 1 (Astellas)** Grand Ballroom B, 3F (Room 1)

MODERATOR(S) Kyung Suk Suh (Korea)

12:10-12:35 De novo DSA in Liver Transplantation (fixed)
Dong Jin Joo (Korea)

MODERATOR(S) Yeong Hoon Kim (Korea)

12:40-13:05 The Optimal Trough level of Tacrolimus for prevent dnDSA and ABMR after Kidney Transplantation (draft)
Hyosang Kim (Korea)

13:10-13:20 Break

13:20-14:50 **Concurrent Symposium 1 (Kidney)** Grand Ballroom B, 3F (Room 1)
Malignancy in kidney transplantation

MODERATOR(S) Ji-Il Kim (Korea), Beom Seok Kim (Korea)

13:20-13:50 Immunotherapy for cancer in kidney transplant patients
Kenar Jhaveri (United States)

13:50-14:20 Malignancies after kidney transplantation: the Hong Kong experience
Sydney Tang (Hong Kong)

14:20-14:50 Treatment option for pre/post-transplant renal cell carcinoma
Cheol Woong Jung (Korea)

Day 2. October 8 (Fri)

13:20-14:50 **Concurrent Symposium 2 (Liver)** Grand Ballroom A, 3F (Room 2)
Long-term management after liver transplantation

MODERATOR(S) **Kyung Suk Suh** (Korea), **Hee Chul Yu** (Korea)

13:20-13:40 Prevalence and Control of Metabolic Complications after liver transplantation (DM, HTN, hyperlipidemia)
Jong Man Kim (Korea)

13:40-14:00 Surveillance and management of De novo malignancy after liver transplantation
Kiyoshi Hasegawa (Japan)

14:00-14:20 Long term management of immunosuppression
Ho Joong Choi (Korea)

14:20-14:40 Management of recurrent and De novo NAFLD /NASH after liver transplantation
Giacomo Germani (Italy)

14:40-14:50 Discussion

13:20-14:50 **Concurrent Symposium 3 (Lung)** Room 306, 3F (Room 3)
Disease specific Know-Hows to get better outcome

MODERATOR(S) **Young Tae Kim** (Korea), **Moo Suk Park** (Korea)

13:20-13:42 ARDS or COVID_ Who can be a candidate for lung transplantation?
Kyeongman Jeon (Korea)

13:42-14:04 IPAH_ How to manage a candidate before and after lung transplantation?
Sang Bum Hong (Korea)

14:04-14:26 CTD ILD: What we have to know about CTD considering lung transplantation
Jieun Park (Korea)

14:26-14:48 Lung GVHD_ GVHD involved other organs where affect outcome after lung transplantation
Jimyung Park (Korea)

Panel discussion (Online)

Ala Woo (Korea)

Hye Ju Yeo (Korea)

Samina Park (Korea)

Seokjin Haam (Korea)

14:50-15:10 Coffee Break

Day 2. October 8 (Fri)

15:10-16:10 **Oral Presentation 1 (Kidney)** Grand Ballroom B, 3F (Room 1)

MODERATOR(S) **Soo Jin Na Choi** (Korea), **Byung Ha Chung** (Korea)

- 15:10-15:22 A Prediction Model of Post-donation Renal Function using Dynamic Kidney CT Volumetry in Living Kidney Donor
Seungjun Lim (Korea)
- 15:22-15:34 Economic change and graft outcome in kidney transplant recipients: a nationwide study of Korea
Sehoon Park (Korea)
- 15:34-15:46 Robotic Ureter Reconstruction using the Native Ureter to Treat Long-segment Ureteral Stricture of the Transplant Kidney; the First Korean Experience
Jinu Kim (Korea)
- 15:46-15:58 Effects of the type of intraoperative fluid in living donor kidney transplantation: A single-center retrospective cohort study
Seungho Jung (Korea)

15:10-16:10 **Oral Presentation 2 (Liver)** Grand Ballroom A, 3F (Room 2)

MODERATOR(S) **Dong-Hwan Jung** (Korea), **Dong Jin Joo** (Korea)

- 15:10-15:22 Pure laparoscopic hepatectomy and robotic graft implantation in living donor liver transplantation
Kyung-Suk Suh (Korea)
- 15:22-15:34 Blood stream infections in the first year after liver transplantation in children
Yeong Eun Kim (Korea)
- 15:34-15:46 Cost-effective and time-saving Three-dimensional (3-D) printing protocol of intra-abdominal cavity of liver transplantation recipient to minimize risk of large-for-size syndrome: The initial experience
Sunghae Park (Korea)
- 15:46-15:58 Reconsideration of pathology and management for acute antibody-mediated rejection in pediatric ABO incompatible transplantation.
Yusuke Yanagi (Japan)
- 15:58-16:10 Is remnant liver volume ratio less than 30% still contraindication for living donor right hepatectomy?
Joo Dong Kim (Korea)

Day 2. October 8 (Fri)

15:10-16:10 **Oral Presentation 3 (Lung)** Room 306, 3F (Room 3)

MODERATOR(S) **Jin Gu Lee** (Korea), **Woo Hyun Cho** (Korea)

15:10-15:22 Lung transplantation for patients with severe COVID-19 related ARDS in Korea
Ryoung-Eun Ko (Korea)

15:22-15:34 Lung Transplantation for COVID-19-associated ARDS after extended use of extra corporeal membrane oxygenation
Soomin Yang (Korea)

15:34-15:46 The performance of lung transplantation according to the pattern of changing urgency; KONOS registry analysis
Jin Ho Jang (Korea)

15:46-15:58 Lung transplantation in six patients with idiopathic pulmonary artery hypertension
Hyeonhwa Kim (Korea)

16:10-16:20 Break

16:20-17:50 **Concurrent Symposium 4 (Kidney)** Grand Ballroom B, 3F (Room 1)
Robotic-assisted kidney transplantation

MODERATOR(S) **Jae Berm Park** (Korea), **Soo Jin Na Choi** (Korea)

16:20-16:50 Robotic-assisted kidney transplantation for classic indications
Kyu Ha Huh (Korea)

16:50-17:20 Robotic-assisted kidney transplantation for expanded indications
Rajesh Ahlawat (India)

17:20-17:50 Local hypothermia strategy for robotic-assisted kidney transplantation
Wooju Jeong (United States)

16:20-17:50 **Concurrent Symposium 5 (Pediatric)** Grand Ballroom A, 3F (Room 2)
Challenges & Tips in Pediatric Organ Procurement

MODERATOR(S) **Nam-Joon Yi** (Korea), **Gyu-seong Choi** (Korea)

16:20-16:40 Surgical issues in Split LT (with video)
Kang He (China)

16:40-17:00 Heart & Lung procurement (with video)
Samina Park (Korea)

17:00-17:05 Discussion

Day 2. October 8 (Fri)

16:20-17:50 **Concurrent Symposium 5 (Pediatric)** Grand Ballroom A, 3F (Room 2)
Special issues for best outcome in pediatric recipients

MODERATOR(S) **Kyung Mo Kim (Korea), Min Hyun Cho (Korea)**

17:05-17:25 Improving long-term medical health after pediatric transplantation
Hee Gyung Kang (Korea)

17:25-17:45 Promising growth hormone treatment after pediatric transplantation
Jung Hwan Suh (Korea)

17:45-17:50 Discussion

16:20-17:50 **Concurrent Symposium 6 (Heart)** Room 306, 3F (Room 3)
Heart transplantation in special situation

MODERATOR(S) **Seok-Min Kang (Korea), Sung-Ho Jung (Korea)**

16:20-16:40 Heart transplantation in infiltrative cardiac disease
Jaewon Oh (Korea)

16:40-17:00 Heart transplantation in complex congenital heart disease
Jae Gun Kwak (Korea)

17:00-17:20 Heart transplantation in adult valvular heart disease with prior sternotomy
Yang Hyun Cho (Korea)

17:20-17:50 Panel discussion
Junho Hyun (Korea)
Gi Beom Kim (Korea)
Jong-Chan Youn (Korea)
Young-Nam Youn (Korea)
Jin Oh Choi (Korea)
MinHo Ju (Korea)
In-Cheol Kim (Korea)

16:20-17:50 **Poster Presentation 2 (Liver & Lung)** Exhibition Hall, 5F

MODERATOR(S) **Jeong-Ik Park (Korea), Dong-Sik Kim (Korea)**

16:20-16:30 Risk factors for pneumocystis jirovecii pneumonia (PJP) in liver transplantation recipients
Eun-Ki Min (Korea)

Day 2. October 8 (Fri)

- 16:30-16:40 Safety and Efficacy of Early Corticosteroid Withdrawal in Liver Transplant Recipients: New-onset diabetes after liver transplantation randomized clinical trial
Jong Man Kim (Korea)
- 16:40-16:50 Complete transition from open to laparoscopic living donor hepatectomy: 8-year experience with more than 500 laparoscopy cases
Jinsoo Rhu (Korea)
- 16:50-17:00 The clinical implication of hepatic venous territory mapping in living donor liver transplantation using right liver graft.
Jinsoo Rhu (Korea)
- 17:00-17:10 Long-term Outcomes of Liver Transplantation (LT) Using Grafts from Donors with Active and Chronic Hepatitis B Virus (HBV) Infection
Sujin Gang (Korea)
- 17:10-17:20 Classification of Intrahepatic Biliary Strictures and Assessment of Outcome in Living Donor Liver Transplantation
Hansang Park (Korea)
- 17:20-17:30 Sclerosing encapsulating peritonitis after living donor liver transplantation
Jeong-Ik Park (Korea)
- 17:30-17:40 The morphological mismatch changes and adapts after lung transplantation in the patient with Kartagener syndrome
Do Hyung Kim (Korea)

17:50-18:00 Break

18:00-18:50 **KST General Assembly**

Grand Ballroom B, 3F (Room 1)

Day 3. October 9 (Sat)

09:00-10:30 **Concurrent Symposium 7 (Pancreas)** Grand Ballroom B, 3F (Room 1)
Current progress in pancreas transplantation and vascularized composite allograft

MODERATOR(S) Sung Shin (Korea), Ik Jin Yun (Korea)

09:00-09:30 Protocol pancreas graft biopsy vs. duodenal graft biopsy in pancreas transplantation
Espen Nordheim (Norway)

09:30-10:00 Hand Transplantation in Korea - after transplantation law revision
Jong Won Hong (Korea)

10:00-10:30 20 years of face transplantation
Bohdan Pomahac (United States)

09:00-10:30 **KOTRY Joint Session** Grand Ballroom A, 3F (Room 2)

MODERATOR(S) Myoung Soo Kim (Korea), Juhee Lee (Korea)

09:00-09:30 Pharmacogenomic research in transplant patients
Min Goo Lee (Korea)

09:30-10:00 HLA epilet matching research intransplant patients
Jong Cheol Jeong (Korea)

10:00-10:30 Potential application of single cell RNAseq in transplantation
Sang Cheol Kim (Korea)

09:00-10:30 **Concurrent Symposium 8 (Basic)** Room 306, 3F (Room 3)
Stem cells in clinical translation

MODERATOR(S) Dong-Myung Shin (Korea)

09:00-09:30 Establishment of multiple isogenic disease model from human pluripotent stem cells with base editors
Hyuk-Jin Cha (Korea)

09:30-10:00 Cell therapeutic approaches for heart failure using iPSC-derived cardiomyocyte aggregates
Sung-Hwan Moon (Korea)

10:00-10:30 Development of novel strategies for cell-based cardiac repair
Kiwon Ban (Hong kong)

Day 3. October 9 (Sat)

09:00-10:50 **Poster Presentation 3 (Kidney & Pancreas)** Exhibition Hall, 5F

MODERATOR(S) Sangil Min (Korea), Seung Yeup Han (Korea)

- 09:00-09:10 Association of Pre-operative non-HLA Antibodies with Kidney Allograft Rejection
Inseong Oh (Korea)
- 09:10-09:20 The worth emphasizing surgical technique; Ureteropyelostomy to manage urinary tract complications in renal transplantation
Chanjoong Choi (Korea)
- 09:20-09:30 ABO-incompatibility and DSA existence effect on ABMR in kidney transplantation
KWANG WOO CHOI (Korea)
- 09:30-09:40 The optimal dosage of rituximab for ABO-incompatible Kidney transplantation : Comparative Analysis of Efficacy and Safety
Hye Eun Kwon (Korea)
- 09:40-09:50 Long term clinical benefits of Pancreas-transplantation After Kidney transplantation (PAK) in patients with diabetes who had received kidney transplantation
Youngmin Ko (Korea)
- 09:50-10:00 Clinical significance of late onset antibody-mediated rejection without donor-specific anti-HLA antibodies in kidney transplantation
Juhan Lee (Korea)
- 10:00-10:10 Impact of donor kidney weight to recipient body weight ratio on long-term graft outcomes in live donor kidney transplantation
Juhan Lee (Korea)
- 10:10-10:20 Clinical significance of delayed or slow graft function in kidney transplantation recipients
Jeongin Song (Korea)
- 10:20-10:30 Technical factors that minimize the occurrence of early graft failure in pancreas transplantation
Byunghyun Choi (Korea)

10:30-10:50 Coffee Break

Day 3. October 9 (Sat)

10:50-12:20 **Concurrent Symposium 9 (Xenotransplant)** Grand Ballroom B, 3F (Room 1)
**Clinical Xeno organ Transplantation:
Can be realized? Which are the barriers and methods to overcome?**

MODERATOR(S) Curie Ahn (Korea), Ik Jin Yun (Korea)

10:50-11:20 Development of proper transgenic pig for solid organ xenotransplantation
Keon Bong Oh (Korea)

11:20-11:50 New methods to develop the humanized grafts
Ho Sup Shim (Korea)

11:50-12:20 New Immunosuppression and immune modulation methods
Jae Young Kim (Korea)

10:50-12:20 **Concurrent Symposium 10 (Liver)** Grand Ballroom A, 3F (Room 2)
Innovative Surgical Technique in Liver transplantation

MODERATOR(S) Young-kyoung You (Korea), Ki-Hun Kim (Korea)

10:50-11:08 A novel technique of organ perfusion and recovery in donor after circulatory death
Cristiano Quintini (United States)

11:08-11:26 The conquest of anatomical difficulties in laparoscopic donor hepatectomy
Gyu-seong Choi (Korea)

11:26-11:44 Laparoscopic explant hepatectomy in a liver transplant recipient
Safi Dokmak (France)

11:44-12:02 Unusual portal inflow in living donor liver transplantation
Deok-Bog Moon (Korea)

12:02-12:20 Living Donor RAPID procedure in a cirrhotic liver with HCC
Deniz Balci (Turkey)

10:50-12:20 **Concurrent Symposium 11 (Coordinator)** **Korean** Room 306, 3F (Room 3)
The process of organ procurement - basic & issue

MODERATOR(S) Bok Nyeo Kim (Korea), Hyung Sook Kim (Korea)

10:50-11:10 The process of organ procurement of brain death donation - surgical perspective
Jeong Kye Hwang (Korea)

11:10-11:30 The process of organ procurement of brain death donation - perspective of the role of coordinators
Hye Yeon Jang (Korea)

Day 3. October 9 (Sat)

11:30-11:50 The medical costs in the field of organ transplantation by hospital
In Ok Kim (Korea)

11:50-12:00 Discussion

12:00-12:20 Assembly

12:20-12:30 Break

12:30-13:30 **Industry Symposium 2 (Chong Kun Dang Pharm)** Grand Ballroom B, 3F (Room 1)

MODERATOR(S) Jongwon Ha (Korea), Myoung Soo Kim (Korea)

12:30-13:00 Evaluate the Tolerability and Pharmacokinetics of TacroBell® Tablet in Kidney Transplantation
Ahram Han (Korea)

13:00-13:30 Evaluate the Efficacy and Safety of CertiroBell® Tablet Compared with Mycophenolate mofetil in Primary Living Donor Liver Transplant Recipients
Dong Jin Joo (Korea)

13:30-13:40 Break

13:40-14:40 **Oral Presentation 4 (Kidney)** Grand Ballroom B, 3F (Room 1)

MODERATOR(S) Chang-kwon Oh (Korea), Myung-Gyu Kim (Korea)

13:40-13:52 Sodium-glucose cotransporter 2 inhibitors in kidney transplant recipients
Jeong-Hoon Lim (Korea)

13:52-14:04 Kidney transplantation and COVID-19 infection: Presentation of COVID-19 in Kidney Transplantation in Iran (KTI)
Sanaz Dehghani (Iran)

14:04-14:16 Managing COVID-19 Infection in Living Donation Kidney Transplant Recipient: A Single Centre Experience
Ni Made Hustrini (Indonesia)

14:16-14:28 Low early post-transplant tacrolimus level within 1 month is associated with poor renal allograft survival in kidney transplant patients
JungHwa Ryu (Korea)

14:28-14:40 Low skeletal muscle mass is associated with mortality in kidney transplant recipients
Juhan Lee (Korea)

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Day 3. October 9 (Sat)

13:40-14:40 **Oral Presentation 5 (Liver)** Grand Ballroom A, 3F (Room 2)

MODERATOR(S) Bong Wan Kim (Korea), Je Ho Ryu (Korea)

- 13:40-13:52 Safe use of Hepatitis B Surface Antigen Positive Grafts in liver transplantation: A Nationwide Study Based on Korean Organ Transplantation Registry Data
YoungRok Choi (Korea)
- 13:52-14:04 Differential impact of tacrolimus intra-patient variability on liver transplant outcomes in patients with and without hepatocellular carcinoma
Hyun Jeong Kim (Korea)
- 14:04-14:16 Survival after treatable hepatocellular carcinoma recurrence in liver recipients: A nationwide cohort analysis
Cheng-Maw Ho (Taiwan)
- 14:16-14:28 The Fate of Donor-type ABO Blood Group Antigen Expression in the Liver Grafts of ABO Incompatible Adult Living Donor Liver Transplantation
Moon Young Oh (Korea)
- 14:28-14:40 Entering a new era of zero-mortality in pediatric living donor liver transplantation
Seak Hee Oh (Korea)

13:40-14:40 **Oral Presentation 6 (Heart)** Room 306, 3F (Room 3)

MODERATOR(S) Hae-Young Lee (Korea)

- 13:40-13:52 Post-transplantation outcomes of sensitized mechanical circulatory support patients
Jong-Chan Youn (Korea)
- 13:52-14:04 The clinical outcomes of marginal donor hearts: a single center experience
Soo Yong Lee (Korea)
- 14:04-14:16 Evaluating Heart Transplantation Outcomes from Marginal Donors
Azadeh Sadatnaseri (Iran)

13:40-14:50 **Poster Presentation 4 (Coordinator & Other)** **Korean** Exhibition Hall, 5F

MODERATOR(S) Seungheui Hong (Korea), In Ok Kim (Korea)

- 13:40-13:50 단일병원 심장, 폐장 이식 수혜자의 응급도 및 대기기간 분석
In Ok Kim (Korea)
- 13:50-14:00 The influence of Healthcare Provider's Autonomy Support, Autonomous Motivation and Competence on Self-Management in Kidney Transplant Patients Based on the Self-Determination Theory
Sunyoung Son (Korea)

Day 3. October 9 (Sat)

- 14:00-14:10 In-depth analysis of potential tissue donors in Korea
Haejin Park (Korea)
- 14:10-14:20 뇌사판정 절차 중 단계별 소요시간 분석
Jungsun Kim (Korea)
- 14:20-14:30 지역별 장기기증희망등록율과 장기기증자수의 유의미한 상관관계
Young Hwan Hwang (Korea)
- 14:30-14:40 Effects of Increase in Organ Donation through Strengthening of SNS-based Communication with Medical Staff
Hayoung Song (Korea)
- 14:40-14:50 장기기증 희망등록이 장기기증 동의율에 미치는 영향
Yuri Chong (Korea)

14:40-15:00 Coffee Break

15:00-16:00 **Oral Presentation 7 (Donor & Donation)** Grand Ballroom B, 3F (Room 1)

MODERATOR(S) Hyung Joon Ahn (Korea), Dong-Sik Kim (Korea)

- 15:00-15:12 Gestational hypertension and preeclampsia after kidney donation: A nationwide population-based cohort study from Korea
Hyung Soon Lee (Korea)
- 15:12-15:24 New technologies applied to master education in the time of covid-19
Chiloe Balleste (Spain)
- 15:24-15:36 Stepwise development of robotic donor right hepatectomy according to the anatomical variations in the hilum and the graft volume.
Hyeyeon Yang (Korea)
- 15:36-15:48 Use of minor donors for living donor liver transplantation and associated ethical issues
Shin Hwang (Korea)
- 15:48-16:00 Stepwise development of robotic donor right hepatectomy according to the anatomical variations in the hilum and the graft volume.
Shin Hwang (Korea)

15:00-16:00 **Oral Presentation 8 (Basic & Xenotransplant)** Grand Ballroom A, 3F (Room 2)

MODERATOR(S) Ik Jin Yun (Korea), Jae Berm Park (Korea)

- 15:00-15:12 B-cell metabolism regulator IM156 contributes to the mitigation of systemic lupus erythematosus.
Eun Jee Kim (Korea)

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Day 3. October 9 (Sat)

- 15:12-15:24 Immunomodulatory effects of probiotic *Bifidobacterium bifidum* with tacrolimus and sirolimus in mouse skin graft model
Ahram Han (Korea)
- 15:24-15:36 Protective effect of Berberine against Tacrolimus-induced Nephrotoxicity in LLC-PK1 cells
Hyuk-Jai Jang (Korea)
- 15:36-15:48 Research on Acellular Dermal Matrix, a potential vascular substitute material
Seok-Hwan Kim (Korea)

15:00-16:00 Oral Presentation 9 (Coordinator) Korean Room 306, 3F (Room 3)

MODERATOR(S) Jeong Rim Lee (Korea), Hyung Sook Kim (Korea)

- 15:00-15:12 장기이식코디네이터의 윤리적 갈등과 윤리적 역량 및 윤리교육에 대한 요구도 조사
Sunyoung Son (Korea)
- 15:12-15:24 장기이식 환자를 대상으로 한 COVID-19 백신 접종 실태 설문조사 연구
Heeyoung Kim (Korea)
- 15:24-15:36 신장이식 환자의 이식 후 경과기간에 따른 적응 경험
Mi-Im Kim (Korea)
- 15:36-15:48 2020년 COVID-19 팬데믹 하 국내 장기기증 증가 고찰
Jaesook Oh (Korea)
- 15:48-16:00 혈액형 부적합 신장이식 수술의 표준진료지침 개발
Heeyoung Kim (Korea)

15:00-16:10 Poster Presentation 5 (Liver) Exhibition Hall, 5F

MODERATOR(S) Jong Man Kim (Korea), Young Seok Han (Korea)

- 15:00-15:10 The outcomes of pure laparoscopic living donor hepatectomy at small volume center
Ji Hoon Jo (Korea)
- 15:10-15:20 Living Donor Liver Transplantation for Advanced Hepatocellular Carcinoma with Portal Vein Tumor Thrombosis after Concurrent Chemoradiation Therapy
Jae Geun Lee (Korea)
- 15:20-15:30 Liver Transplantation for Azithromycin-Induced Severe Liver Injury: A Case Report
Young Il Choi (Korea)
- 15:30-15:40 The impact of the multiple bile ducts on postoperative biliary complications in living donor liver transplantation; single center experience
Doojin Kim (Korea)

Day 3. October 9 (Sat)

- 15:40-15:50 Impact of previous abdominal surgery on laparoscopic donor hepatectomy for living donor liver transplantation.
Jaehun Yang (Korea)
- 15:50-16:00 Metabolic Syndrome and Health-related Quality of Life among Patients with Liver Transplantation
Suejin Kim (Korea)
- 16:00-16:10 Transarterial Chemoembolization (TACE) with radiotherapy for solitary HCC bone metastasis after living donor liver transplantation
JaRyung Han (Korea)

16:00-16:10 Break

16:10-17:10 Plenary Session II (Best Papers Presentation)

Grand Ballroom B, 3F (Room 1)

MODERATOR(S) **Myoung Soo Kim** (Korea), **Kwang-Woong Lee** (Korea)

- 16:10-16:22 High pretransplant FGF-23 level is associated with poor graft survival and persistent vitamin D insufficiency in kidney transplant patients
JungHwa Ryu (Korea)
- 16:22-16:34 The cumulative dose-dependent benefit of metformin in kidney transplantation recipients
Soie Kwon (Korea)
- 16:34-16:46 The impact of DSA on chronic antibody mediated rejection (cAMR) after pediatric living donor liver transplantation
Seiichi Shimizu (Japan)
- 16:46-16:58 Pre- and post-transplant risk factors for renal dysfunction in the patients with preserved renal function at 1 month after liver transplantation: a national cohort study using Korean Organ Transplantation Registry (KOTRY)
Deok Gie Kim (Korea)
- 16:58-17:10 Bionic Pancreas - the first results of functionality bionic tissue model with pancreatic islets
Michal Wszola (Poland)

17:10-17:20 Break

17:20-17:40 Award Ceremony and Closing

Grand Ballroom B, 3F (Room 1)

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