



VIRTUAL CONGRESS

17TH CONGRESS OF THE ASIAN SOCIETY OF TRANSPLANTATION

25TH - 28TH JULY 2021

in conjunction with

THE 24TH ANNUAL SCIENTIFIC MEETING OF MALAYSIAN SOCIETY OF TRANSPLANTATION

in collaboration with

THE 36TH ANNUAL CONGRESS OF MALAYSIAN SOCIETY OF NEPHROLOGY

- Updated as at 20 July 2021



Organisers :



**Asian Society of
Transplantation**



PERSATUAN TRANSPLAN MALAYSIA



**Malaysian Society
of Nephrology**

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Malaysia Society of Transplantation Council Members 2020 - 2022

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Pre-Congress Day (Sunday, 25 July 2021)

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Industry Sponsored Symposia

Congress Day 1 (Monday, 26 July 2021)

Congress Day 2 (Tuesday, 27 July 2021)

Congress Day 3 (Wednesday, 28 July 2021)

Acknowledgement

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Welcome Message from President of AST

We all have been battling against the unfortunate covid-19 pandemic over last one and a half year. This abnormal situation created by this pandemic posed many challenges for us but at the same time offered some opportunities as well. One of the positive opportunity is acceleration of digital transformation. Hybrid congress is product of digital transformation. But, I strongly feel that this is a suboptimal substitute for a standard congress, where we get an opportunity to know each other and chance to visit countries and a time out from our busy schedule. Because of lack of these social elements attendance in hybrid or pure virtual conference is low. However, for those who are keenly interested in academic deliberations, a virtual platform is almost comparable to a physical platform.

I appreciate the concerted and sincere efforts of Dr Ghazali Ahmad and his team in organising this hybrid congress under such odd circumstances.

The Asian Society of Transplantation idea was conceived in 1981, and the first CAST congress was held in 1989 in Bali. Since 1989, we have been holding our bi-annual congresses regularly and had been enjoying academic and social parts.

However, this is also a hard fact that our society had not created a desirable impact in the organ transplant fraternity which is evident from the poor membership of our society the participating countries and insufficient academic enthusiasm. We should do in-depth introspection and take steps to make our society attractive and popular.

I am satisfied that now there is a permanent secretariat with a very dedicated Secretary-General, Dr Curie Ahn. She has been very active in organising various regular meetings during this period. I am confident that with her energetic and sincere efforts and dedicated team, we shall move forward to make our society attractive for the

transplant community of Asian countries. We should emulate other societies like American Society of Nephrology and work hard to achieve the standards.

Once again, I congratulate Dr Ghazali Ahmad, Organising Chairman of 17th CAST, Dr Curie Ahn, Secretary-General of Asian Society of Transplantation and their team members for organising the current hybrid congress. Let us enjoy this academic feast of the congress and let us hope that 18th CAST at HongKong in 2023 will be physical and we enjoy wholesome experience.

STAY SAFE – STAY HEALTHY
THANKING YOU



Prof. (Dr.) D.S. Rana
Emeritus Professor – Nephrologist
Chairman, Institute of Renal Sciences
Director, Ganga Ram Institute of Postgraduate Medical
Education & Research
Sir Ganga Ram Hospital, New Delhi, INDIA

Welcome Message from Organising Committee Chairman of 17th CAST 2021

Dear Colleagues,

We are now in the last league of our marathon preparation for 17th Congress of the Asian Society of Transplantation. As we move from the original plan for a conventional physical congress to a hybrid format, to one of a virtual congress finally, much in line with and similar to all recently concluded international scientific conferences, we were hoping for a respite and brighter weather ahead, as most countries, Malaysia included, are already implementing large scale Covid-19 vaccination program.

We are very much encouraged by the strong support from all sectors which traditionally contribute to successful hosting of any medical congress. More than 100 renowned international experts in various fields of transplantation had committed to delivering lectures in plenary sessions, various symposia and special sessions to cater for the needs of all sectors and spectrum of organ donation and transplant program.

More than 200 abstracts have been submitted which will be presented in either oral or poster sessions. Out of these, 10 authors were selected to receive the Young Investigator Awards which provide them with complimentary congress registration. Another six contributors were selected by the AST Award Committee to receive the Best Abstract Awards, three each for Basic Science and Clinical + Others category. The winners of these awards will be announced at the Closing Session of this congress on 28th July 2021.

Equally strong support also came in from the Industry partners, keen to share the latest information on their portfolio with the scientific and clinical world. Like everyone else, the experience of holding exhibition booths in a virtual congress will be quite unlike that in conventional meetings. Nonetheless, we have put up a serious effort to create a pleasant experience and attractive virtual exhibition program to benefit both the visitors and exhibitors alike. We hope all registered delegates will explore and interact with each and every exhibitors in the virtual exhibition hall.

In the last 2 weeks of our preparation for this important academic and scientific agenda in the Asian transplant Calendar, Malaysia, especially the Capital Kuala Lumpur, is mercilessly ravaged by large increases in new cases of Covid-19. The resultant implementation of enhanced lockdown measures which are in place since a month ago are being extended and strengthened in its enforcement in the last few weeks.

These measures will, without doubt, adversely affect the Organisers' plan and capacity to provide a flawless and seamless virtual experience for the four tracts of scientific program on each day of the congress. One major setback is the inability to obtain approval for the operation of a fully equipped professional Virtual Command Centre to serve as the congress coordinating and control broadcasting and communication centre. However, with most lectures and contents prepared in the pre-recorded format, and many speakers- presenters who are staying in different time zones across the globe have already indicated their choice whether they can appear live or otherwise, we hope the live question and answer sessions will take place without much hitches.

As this is a virtual congress, the organiser will keep the registration portal opened even after the conclusion of the congress on 28th July and will make all congress lectures and virtual exhibition booths accessible to all delegates for three months until the end of October this year.

We invite every participant to give any useful comment or feedback to the congress secretariat and reach out to us if there is any issue which needs clarification or assistance.

Thank you.



Dr Ghazali Ahmad
Organising Committee Chairman

Organising Committee

Zaki Morad Mohamad Zaher

President & Advisor

Ghazali Ahmad

Organising Chairman

Goh Bak Leong

Organising Co-Chairman

Hirman Ismail

Secretary

Mohamad Zaimi Wahab

Treasurer

Hooi Lai Seong

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Co-opted Members

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Dr. Mohanasundram Pillai Arumugam

Dr. Sharifah Shanaz Syed Abd Kadir

Dr. Hirman Ismail

Dr. Teoh Chee Kiang

About the Organisers



Asian Society of Transplantation

The Asian Society of Transplantation (AST) was formed in 1981 when the charter members met at the annual congress of Asian Society of Nephrology (ASN). According to the laid down constitution, the objectives of the Society were defined as:

- Promotion of exchange of information relating to transplantation.
- Development of medical, biological and social disciplines in transplantation in Asia.
- Cooperation in the training at all levels of professional involvement – nursing, transplant coordinator, pharmacists, physicians, surgeons and other disciplines involved in transplantation.

Organ transplantation in Asia has progressed rapidly over time. Many countries have moved beyond kidney transplantation and embarked on Heart, Liver and other organ transplantations. There have also been greater investments on infrastructure and personnel without which no progress could be made. The major challenge continues to be the lack of organs particularly from cadaveric donors. To implement the deceased donor programme, the basic requirements start from a law in the country, public awareness, infrastructure, trained personnel and the necessary funds. With the easy availability of living donors, especially for kidney transplantation, some of the Asian countries have become a prey to unethical practices. The Asian Society of Transplantation is a platform to provide assistance and help and plays an important role in the development of transplantation in the region. It serves as a forum for doctors and scientists involved in the field of transplantation to exchange views, present research findings and develop networks for mutual benefit through its biannual conferences. The AST also has future plans to help and assist its member countries to develop and make further progress in organ transplantation, progress in related research and form a network for organ exchange through a central registry.



PERSATUAN TRANSPLAN MALAYSIA

Malaysian Society of Transplantation became a registered society on 22 July 1994. It was conceived to meet the needs of promoting transplantation in Malaysia. The objectives of the society are: Promote and assist in the development of organ and tissue transplantation in Malaysia. Disseminate and exchange information relating to the field of transplantation at both national and international levels. Ensure and maintain ethical standards in the field of transplantation in Malaysia



Malaysian Society of Nephrology

The Malaysian Society of Nephrology (MSN) was formally recognized by the Registrar of Societies on 21 December 1984. The objectives of setting up the society by the pioneer members, Drs. Abu Bakar Suleiman and Zaki Morad, were as follows: The objectives of the Society shall be the advancement of the Science, and Practice of Nephrology and allied Sciences To act as an authoritative body for the purpose of consultation in matters of professional and public interest concerning Nephrology. To facilitate communication amongst doctors practising Nephrology in Malaysia and to meet the professional and continuing education needs of its members.

IN CKD PATIENTS, INTERCEPT THE RISK* WELL IN TIME¹



*Hyperphosphatemia and cardiovascular risk.
CKD: chronic kidney disease.



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References

1. Kidney Disease: Improving Global Outcomes (KDIGO) CKD-MBD Update Work Group. *Kidney Int Suppl.* 2017;7(1):1-59.

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Invited Faculty



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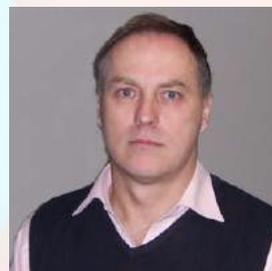
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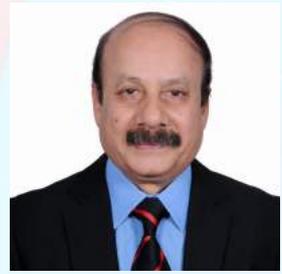
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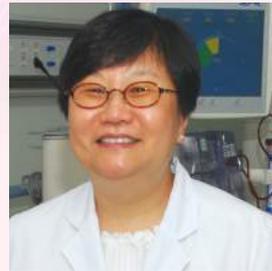
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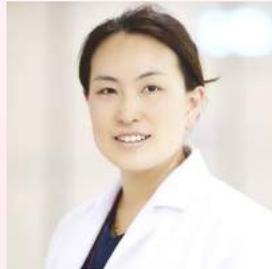
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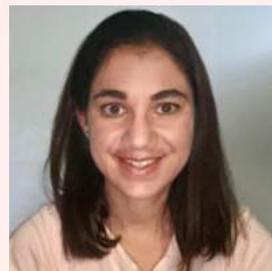
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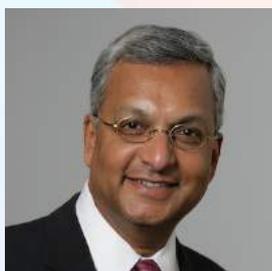
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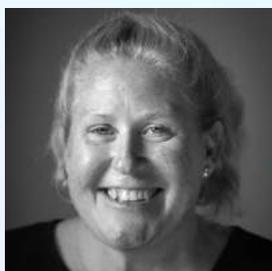
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Kazuaki Tokodai

Tsukasa Nakamura

Tae Yun Lee

Ho Joong Choi

Scientific Programme

Pre-Congress Day (Sunday, 25 July 2021)

| Time | Pre-Congress Workshop 1 Kidney transplant immunopathology | Pre-Congress Workshop 2 Organ donation & procurement | Pre-Congress Workshop 3 Workup of potential transplant recipients | Vitallink Session I |
|-------------|--|--|--|---------------------|
| 0815 - 1000 | Moderators: Mohamad Zaimi Wahab & Muhammad Iqbal Abdul Hafidz | Moderators: Haniza Omar & Lim Soo Kun | Moderators: Halim Gafor & Rafidah Abdullah | |
| 0815 - 0830 | Course overview <i>Vathsala Anantharaman</i> | Course overview <i>Diana Mohd Shah</i> | Course overview <i>Rosnawati Yahya</i> | |
| 0830 - 0900 | 0830 – 0915 The immune response to transplantation <i>Minnie Sarwal</i> | Active donor detection in Spain. Is there a wrong or a right way to do it? <i>Chloe Balleste</i> | CKD burden in Asia <i>Vivekanand Jha</i> | |
| 0900 - 0930 | 0915 – 0930 BREAK | Ancillary testing in brain death <i>Gene Sung</i> | Economics of transplantation in Asia <i>Sunita Bavanandan</i> | |
| 0930 - 1000 | 0930 – 1015 Immune cells involved in transplantation rejection <i>Lim Wai Hon</i> | Updates on donor maintenance to deliver quality organs for transplantation <i>Adlin Dasima Abdul Kadir</i> | Optimising potential recipients for kidney transplantation <i>Vathsala Anantharaman</i> | |
| 1000 - 1030 | COFFEE BREAK | | | |
| 1000 - 1200 | AST Council Meeting | | | |
| 1030 - 1300 | Moderators: Yee Seow Yeing & Maisarah Jalalnomuhali | Moderators: Esther Tan & Hirman Ismail | Moderators: Yoong Boon Koon & Vijayan Manogran | |
| 1030 - 1100 | 1030 – 1115 Tissue typing and detection of pre-formed antibodies <i>Melissa Yeung</i> | Understanding refusals: what makes family consent? <i>Omid Ghobadi</i> | Surgical aspects of kidney transplant recipients <i>Murali Sundram</i> | |
| 1100 - 1130 | 1115 – 1145 Induction therapy <i>Daniel Brennan</i> | Challenges in family donor conversation <i>Sumana Navin and Sujatha Suriyamoorthi</i> | Consensus guideline on immunological evaluation of transplant recipients <i>Jeremy Chapman</i> | |
| 1130 - 1200 | 1145 – 1200 BREAK | | Managing the original kidney disease <i>Stephen Alexander</i> | |
| 1200 - 1230 | Desensitisation – HLA antibodies, ABOi transplantation <i>Lim Soo Kun</i> | Challenges in making general hospitals organ donation-ready <i>Benita Padilla</i> | Pre-transplant cardiac evaluation <i>Shaifali Sandal</i> | |

| | | | | |
|-------------|--|---|--|--|
| 1230 - 1300 | Immunosuppressive drugs <i>Romina Danguilan</i> | Normothermic machine perfusion for liver allograft <i>Peter Friend</i> | Surgical aspects of liver transplant recipients <i>Mohamed Rela</i> | |
| 1300 - 1400 | LUNCH | | | |
| 1400 - 1700 | Moderators: Halim Gafor & Lim Soo Kun | Moderators: Fairol Huda & Diana Mohd Shah | Moderators: Wan Hazlina Wan Mohamad & Sharifah Shahnaz | Moderators: Jeremy Chapman & Curie Ahn |
| 1400 - 1430 | Renal allograft histopathology: Banff Classification <i>Mark Haas</i> | HCV and HIV positive donors <i>Dorry Segev</i> | Pediatric renal recipient work-up <i>Yap Hui Kim</i> | Vitalink Session I Greetings from international and regional leaders Jeremy Chapman, Curie Ahn, Marcelo Cantarovich, Ghazali Ahmad, Pandaan Batchuluun, Harun Ur Rashid, Khin Maung Htay, Hai An Ha Phan |
| 1430 - 1500 | T cell mediated rejection: diagnosis and management <i>Kate Wyburn</i> | The power of social media and how it can affect organ donation <i>Rafidah Abdullah</i> | What does the HLA crossmatch mean? <i>Melissa Yeung</i> | Rules of organ allocation and distribution <i>Stefan Tullius</i> |
| 1500 - 1530 | 1500 – 1515 BREAK | Organ donation and COVID-19: Clinical issues <i>Marian Irazabal</i> | Frailty-assessment and prognosis <i>Dorry Segev</i> | Deceased organ donor management including DCD <i>Lee Jae Myeong</i> |
| | | Organ donation and COVID-19: World registries <i>Maria Paula Gomez</i> | | How to improve consent rate for deceased organ donation in hospitals? <i>Pandaan Batchuluun</i> |
| 1530 - 1600 | 1515 – 1545 Antibody mediated rejection: diagnosis and management <i>Brian Nankivell</i> | i-DTI and telemedicine <i>Estephan Arredondo Cordova</i> | | Ethical issues in deceased organ donation and transplantation <i>Peter Stock</i> |
| | | Artificial intelligence and robotics in organ donation <i>Marian Irazabal</i> | | Panel discussion <i>Speakers and advisors</i> |
| 1600 - 1630 | 1545 – 1630 Strategies for achieving tolerance <i>Megan Sykes</i> | | | Closing comments <i>Jeremy Chapman</i> |
| 1700 - 1740 | OPENING CEREMONY | | | |

Scientific Programme

Congress Day 1 (Monday, 26 July 2021)

| Time | PLENARIES | | | |
|-------------|---|--|--|---|
| 0900 - 0930 | <p>Plenary 1: Management of transplantation in the digital era</p> <p><i>Dorry Segev</i></p> <p>Chairperson: Halim Gafor</p> | | | |
| 0930 - 1000 | <p>Plenary 2: The challenges of prolonging kidney allograft survival</p> <p><i>Jeremy Chapman</i></p> <p>Chairperson: Ghazali Ahmad</p> | | | |
| 1000 - 1030 | COFFEE BREAK | | | |
| 1030 - 1230 | STATE OF THE ART SYMPOSIUM (1) | | | |
| | Kidney transplant | Liver transplant | Heart & Lung | Donation & ethics |
| 1030 - 1230 | Chairpersons: Murali Sundram & Rosnawati Yahya | Chairpersons: Haniza Omar & Yoong Boon Koon | Chairpersons: Mohd Nazeri Nordin & Ashari Yunus | Chairpersons: Chandramalar T Santhirathelagan & Fan Kin Sing |
| 1030 - 1050 | Deceased donor kidney quality and allograft outcome <i>Yang Jaeseok</i> | Epidemiology of non-alcoholic fatty liver and non-alcoholic steatohepatitis: implications for liver transplantation <i>Dan Yock Young</i> | Setting up a pediatric heart transplant and MCS (mechanical circulatory support) programme <i>David Morales</i> | The Declaration of Istanbul on Organ Trafficking and Transplant Tourism 2018 <i>Mustafa al-Mousawi</i> |
| 1050 - 1110 | Causes of death with function – what can we do to prevent it? <i>Steve Chadban</i> | Role of bridging therapies in acute and acute-on-chronic liver failures <i>Shiv Kumar Sarin</i> | mTOR Inhibitors in heart transplantation <i>Azmee Ghazi</i> | Importance of post donation care: a comparison of practices around the world <i>Tina Coco</i> |
| 1110 - 1130 | What is immunological risk? <i>Roslyn Mannon</i> | Emerging indications for liver transplantation <i>James Fung</i> | Pulmonary hypertension and lung transplantation <i>Allan Glanville</i> | Malaysia: curbing illegal overseas transplantation. Should we deny recipients of free immunosuppressants? <i>Ghazali Ahmad</i> |
| 1130 - 1150 | Trials in kidney transplantation <i>Jonathan Craig</i> | Living donor liver transplantation for acute on chronic liver failure <i>Subhash Gupta</i> | Bridging to lung transplantation: who, when and with what? <i>Hiroshi Date</i> | DCD – Euthanasia, withdrawal of therapy, re-intubation...where do we draw the line? <i>Chloe Balleste</i> |
| 1150 - 1210 | | Selection criteria for transplantation in HCC <i>Kyung Suk Suh</i> | | Opting in vs opting out: which works better? <i>Marti Manyalich</i> |
| 1210 - 1230 | | | | |
| 1230 - 1400 | INDUSTRY SPONSORED SYMPOSIUM (Astellas) | | | |

| 1400 - 1540 | ORAL PRESENTATIONS | | | |
|-------------|--|--|--|---|
| | Kidney 1 | Basic Science | Organ Donation | Kidney 2 |
| | Moderator: Philip Jeremiah | Moderator: Maisarah Jalalonusmuhali | Moderator: Muhammad Iqbal Abdul Hafidz | Moderator: Lim Soo Kun |
| 1400 - 1410 | Association between De Novo C1q-binding Donor Specific Antibodies and Clinical Outcomes after Kidney Transplantation: A Meta-Analysis <i>Pande Made Wisnu Tirtayasa</i> | The Efficacy of Human Amnion Membrane for the Treatment of Ischemia-impaired Wounds in a Rat Model. <i>Masato Sato</i> | To Explore a Suitable Mode for Tissue Donation in China Based on a Provincial OPO <i>Xiaotong Wu</i> | The Pattern of Lymphocyte Subsets Among Transplant Recipients Who Required Hospitalization for Treatment of Any Source of Infection: A Single Tertiary Centre Experience <i>Maisarah Jalalonusmuhali</i> |
| 1410 - 1420 | Reduction of Symptom Burden in Kidney Transplant Recipients from Single Session Mindful Breathing: A Randomized Controlled Trial <i>Lim Kai Wei</i> | Distribution and Engraftment of Amnion Epithelial Cells After Intra-portal Infusion in a Rat Model <i>Miyako Tanaka</i> | Shanxi Provincial OPO: The First Independent Provincial OPO in China <i>Wenshi Jiang</i> | The Effect of Different Induction Regime on Serial Lymphocyte Subset in Post-Renal Transplant Recipients: A Single Tertiary Centre Experience <i>Maisarah Jalalonusmuhali</i> |
| 1420 - 1430 | Outcome of the Elderly Living Kidney Donors (eLKDs) in a Single Tertiary Center in Malaysia. <i>Goh En Thong</i> | Protective Effect of Eupatilin Against Tacrolimus-induced Nephrotoxicity in LLC-PK1 Cells <i>Hyuk Jai Jang</i> | To Create the Era of Artificial Intelligence for Organ Donation and Transplantation Management <i>Wenshi Jiang</i> | Effect Modification of Eplet Mismatch in Different Tacrolimus Drug Level: Validation in Korean Nationwide Kidney Transplantation Cohort Data <i>Jong Cheol Jeong</i> |
| 1430 - 1440 | Clinical Significance of C3d Assay in Kidney Transplantation Recipients with Donor Specific Anti-HLA Antibodies <i>Jin Hyuk Paek</i> | Berberine Ameliorates Tacrolimus-induced β -cell Dysfunction <i>Hyuk Jai Jang</i> | Temporal Trends in Brain Death Organ Donation in Asia: Results from the Global Observatory on Donation and Transplantation (GODT) <i>Yosef Manla</i> | Asian Society of Transplantation Registry Report on COVID-19 Infections in Kidney Transplant Recipients from Asia <i>Terence Kee Yi Shern</i> |
| 1440 - 1450 | Post-Transplant MAG3 Scintigraphy in the Early Assessment of Renal Graft Function <i>Boey Ching Yeen</i> | Adeno-associated Viral Vector Mediated IL-10 Gene Transfer in Skin Allograft <i>Yeonjin Jeong</i> | Barriers Toward Deceased Organ Donor Registration Among Indians Living in India and the United Kingdom: An Integrative Systematic Review Using Narrative Synthesis. <i>Britzer Paul Vincent</i> | Prevalence of Hepatitis E Among Kidney Transplant Recipients: A Single Tertiary Centre Experience <i>Maisarah Jalalonusmuhali</i> |
| 1450 - 1500 | A Survey of Patients and Donors' Perspectives in Resuming Deceased and Living Donor Kidney Transplantation in the COVID-19 Pandemic Era <i>Mohd Ramadhan Mohd Din</i> | Histomorphometric Analysis of Femoral and Sciatic Nerve Regeneration in a Rat Hindlimb Allotransplantation Model <i>Yeonjin Jeong</i> | Usefulness of Thiel's Embalmed Cadavers for Training in Organ Procurement <i>Hiroaki Mitsugashira</i> | Outcomes of Interleukine-2 Receptor Antagonist Induction Therapy in Standard-risk Renal Transplantation Recipients Maintained on Tacrolimus - A Systematic Review and Meta-Analysis <i>Hatem Ali</i> |

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|-------------|---|--|--|--|
| 1500 - 1510 | <p>Kidney Donor Profile Index and Graft Outcome Among Deceased Donor Kidney Transplant Recipients in Malaysia</p> <p><i>Ee Lik Wee</i></p> | <p>Gene-edited Porcine Primary Cell Monoclonals were Obtained Efficiently with Acellularized Bioinks Microarray</p> <p><i>Gao Mengyu</i></p> | <p>The Impact of Educational Intervention on Attitude Towards Organ Donation Among Healthcare Workers in Five Hospitals in Malaysia</p> <p><i>Lydia Kamaruzaman</i></p> | <p>Tacrolimus Metabolism Rate is a Major Determinant of Outcomes Among Kidney Transplant Recipients</p> <p><i>P'ng Hon Shen</i></p> |
| 1510 - 1520 | <p>Application of Ex-vivo Normothermic Machine Perfusion (EVNMP) to Salvage a Discarded Kidney from an Uncontrolled Donation after Circulatory Determination of Death (DCD) with Successful Kidney Transplantation</p> <p><i>Decprakash Choudhary</i></p> | <p>Human CD117 Suppresses the Neutrophil-mediated Xenocytotoxicity</p> <p><i>Tomohisa Yoneyama</i></p> | <p>Death by Neurological Criteria in the Philippines: Levels of Awareness, Compliance and Obstacles to Brain Death Declaration</p> <p><i>Joanne Robles</i></p> | <p>Two Cases Using Hypoxia-inducible Factor Prolyl-Hydroxylase Inhibitor for Post-transplant Anemia</p> <p><i>Toshihide Naganuma</i></p> |
| 1520 - 1530 | <p>The Relationship Between Klotho Gene and Cancer Occurrence in Kidney Transplant Recipients</p> <p><i>Woo Yeong Park</i></p> | <p>MICA Diversity and Linkage Disequilibrium with HLA Genes Among Malay Donors in Malaysian Stem Cell Registry (MSCR)</p> <p><i>Jamiila Ismail</i></p> | <p>Outcome of Renal Transplantation in Children Given Ratg as Induction Therapy</p> <p><i>Catherine Jennifer M. Catibog</i></p> | <p>Outcomes of Basiliximab Versus R-ATG in High Immunological Risk Renal Transplant Patients Maintained on Tacrolimus</p> <p><i>Hatem Ali</i></p> |
| 1530 - 1540 | <p>Prevalence Rate of Proteinuria and Metabolic Acidosis Among Renal Transplant Recipients in a Tertiary Teaching Hospital and Its Relationship to Dietary Intake</p> <p><i>Lau Wai Pooi</i></p> | | | <p>Outcomes of Rabbit Anti-thymocyte Globulin Versus IL-2 Receptor Antagonist Induction Therapies in 2DR Mismatch Renal Transplant Recipients Maintained on Tacrolimus</p> <p><i>Hatem Ali</i></p> |
| 1540 - 1610 | COFFEE BREAK | | | |
| 1610 - 1640 | <p>Plenary 3: Chimerism, transplant tolerance and beyond</p> <p><i>Megan Sykes</i></p> <p>Chairperson: Goh Bak Leong</p> | | | |
| 1640 - 1800 | DEBATES and STATE OF THE ART SYMPOSIUM (2) | | | |
| | Kidney - debates | Liver - debates | Heart & Lung | Transplantation and COVID-19 |
| 1640 - 1800 | <p>Chairpersons:</p> <p>Esther Tan & Nurul Zaynah</p> | <p>Chairpersons:</p> <p>Haniza Omar & Yoong Boon Koon</p> | <p>Chairpersons:</p> <p>Mohd Nazeri Nordin & Ashari Yunus</p> | <p>Chairpersons:</p> <p>Vijayan Manogran & Maisarah Jalalonmuhali</p> |
| 1640 - 1720 | <p>Robotic renal transplantation vs Open renal transplantation – which is a better technique?</p> <p><i>Robotic: Pranjal Modi</i></p> <p><i>Open: Sandeep Guleria</i></p> | <p>Active drinkers should be transplanted</p> <p><i>Pro: James Fung</i></p> <p><i>Con: Mohamed Rela</i></p> | <p>Artificial intelligence in LVAD implantation</p> <p><i>David Morales</i></p> <hr/> <p>Late complications following lung transplantation</p> <p><i>Allan Glanville</i></p> | <p>COVID-19: Results of the international survey</p> <p><i>Marcelo Cantarovich</i></p> |

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| 1720 - 1800 | <p>Liver transplantation for liver metastasis</p> <p><i>Pro: Pal-Dag Line</i></p> <p><i>Con: Alfred Kow</i></p> | <p>Living related lung transplant – Japanese model</p> <p><i>Hiroshi Date</i></p> | <p>Clinical presentation, complications, and outcomes in solid organ transplant recipients</p> <p><i>Madeleine Heldman</i></p> |
| | | | <p>Management of the transplant programme in the time of COVID-19</p> <p><i>Hiroto Egawa</i></p> |

Scientific Programme

Congress Day 2 (Tuesday, 27 July 2021)

| Time | PLENARIES AND REGISTRIES | | | |
|-------------|---|--|--|---|
| 0800 - 0830 | <p>Plenary 4: Liver transplantation in metastatic liver disease <i>Pal-Dag Line</i> Chairperson: Mohanasundram Pillai Arumugam</p> | | | |
| 0830 - 0900 | <p>Plenary 5: 50 donors p.m.p. is not a dream anymore: how did Spain do it? <i>Marti Manyalich</i> Chairperson: Sunita Bavanandan</p> | | | |
| 0900 - 1000 | <p>Asian transplantation registries for collaboration and harmony Chairpersons: Ong Loke Meng & Chandramalar T Santhirathelagan</p> <p>0900-0915: What can we learn from registries? <i>Jeong Jong Cheol</i></p> <p>0915-0930: COVID-19 Pearls from Asia – Insights and Collaborations through Asia, the Asian Society of Transplantation and the Asian Transplant Registry <i>Terence Kee</i></p> <p>0930-0945: Setting up an Asian registry for transplantation tourism <i>Toby Coates</i></p> <p>0945-1000: Improving harmony among registries <i>Kenji Yuzawa</i></p> | | | |
| 1000 - 1030 | COFFEE BREAK | | | |
| 1030 - 1230 | STATE OF THE ART SYMPOSIUM (3) | | | |
| | Kidney | Liver | Astellas Named Symposium Donor and procurement | Surgical aspects of kidney transplantation |
| 1030 - 1230 | Chairpersons: Lim Soo Kun & Rosnawati Yahya | Chairpersons: Haniza Omar & Mohanasundram Pillai Arumugam | Chairpersons: Halim Gafor & Fan Kin Sing | Chairpersons: Murali Sundram & Vijayan Manogran |
| 1030 - 1050 | T cell mediated rejection <i>Sundaram Hariharan</i> | Current trends of immunosuppression in liver transplantation <i>James Fung</i> | Organ donation innovative strategy in South East Asia (ODISSeA): what have we learnt? <i>Muhammad Iqbal Abdul Hafidz</i> | The complex living donor <i>Mustafa al-Mousawi</i> |
| 1050 - 1110 | Management of ABMR: Current updates <i>Kate Wyburn</i> | Acute liver failure and transplantation – indicators for poor outcome <i>Subhash Gupta</i> | Deceased donation. should we allow donor family to meet recipients? <i>Tina Coco</i> | The complex recipient <i>Clarence Lei</i> |
| 1110 - 1130 | Paired kidney exchange: success and challenges and lesson learnt <i>Vivek Kute</i> | ABO incompatible liver transplantation <i>Albert Chan</i> | Overcoming cultural barriers: is this the key to gaining consent? <i>Katy Najafizadeh</i> | Role of interventional radiologist in kidney transplantation <i>Basri Johan</i> |

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|-------------|---|---|---|--|
| 1130 - 1150 | ABO incompatible renal transplantation <i>Kazunari Tanabe</i> | Role of Interventional radiology post liver transplant <i>Basri Johan</i> | Increasing demand on master education for donation & transplantation. <i>Marti Manyalich</i> | Coping with donor complications <i>Sandeep Guleria</i> |
| 1150 - 1210 | | | Burnout amongst donor coordinators: is it real? <i>Sumana Navin</i> | When should I not proceed with kidney transplantation from a surgical perspective? <i>Anant Kumar</i> |
| 1210 - 1230 | | | | |
| 1230 - 1400 | Industry Sponsored Symposium (Novartis): Transforming transplantation using iBox predictive risk scoring system | | | |
| 1400 - 1600 | STATE OF THE ART SYMPOSIUM (4) | | | |
| | Transplant immunology | Surgical aspects of liver transplantation | Transplant infectious disease | Biomarkers in transplantation |
| 1400 - 1600 | Chairpersons: Mohamad Zaimi Wahab & Wong Hin Seng | Chairpersons: Manisekar K Subramaniam & Yoong Boon Koon | Chairpersons: Rafidah Abdullah & Philip Jeremiah | Chairpersons: Sharifah Shahnaz & Muhammad Iqbal Abdul Hafidz |
| 1400 - 1420 | High resolution HLA typing in solid organ transplantation: is it necessary? <i>Melissa Yeung</i> | Advances in surgical techniques in living donor liver transplantation <i>Deniz Balci</i> | Asymptomatic bacteriuria post kidney transplantation: what to do <i>Angela Webster</i> | Biomarkers in acute rejection <i>Manikkam Suthanthiran</i> |
| 1420 - 1440 | HLA mismatching and kidney transplant outcomes: what matters? <i>Lim Wai Hon</i> | Laparoscopic living donor hepatectomy: safety and efficacy <i>Alfred Kow</i> | Unusual infections from deceased donors <i>Mustafa al-Mousawi</i> | Biomarkers in chronic allograft dysfunction <i>Minnie Sarwal</i> |
| 1440 - 1500 | Denovo DSA: risk factors and clinical consequences <i>Kate Wyburn</i> | Long term liver transplant outcomes <i>Albert Chan</i> | Difficult fungal infections: diagnostic approaches and management <i>Vivek Kute</i> | Gut microbiome in solid organ transplantation <i>Steve Chadban</i> |
| 1500 - 1520 | Clinical relevance of non-HLA antibodies <i>Minnie Sarwal</i> | Machine Perfusion in Liver Transplantation; the end of the ice age? <i>Glenn Bonney</i> | Latent TB: detection and management <i>Vivekanand Jha</i> | |
| 1520 - 1540 | | Pediatric liver transplantation <i>Mohamed Rela</i> | Respiratory viral infections in transplant recipients <i>Atul Humar</i> | |
| 1540 - 1550 | | | | |
| 1550 - 1620 | COFFEE BREAK | | | |

| 1620 - 1800 | STATE OF THE ART SYMPOSIUM (5) | | | |
|-------------|--|---|---|---|
| | Kidney | Women in transplantation | Transplant immunology | Post-transplant complications |
| 1620 - 1800 | Chairpersons: Halim Gafor & Fairol Huda | Chairpersons: Yee Seow Yeing & Diana Mohd Shah | Chairpersons: Esther Tan & Muhammad Iqbal Abdul Hafidz | Chairpersons: Nurul Zaynah & Maisarah Jalalonmuhali |
| 1620 - 1640 | Belatacept in kidney transplant: past and future perspectives <i>Lionel Rostaing</i> | Equity in donors and recipients in places with disparities <i>Vathsala Anantharaman</i> | Eplet matching in kidney transplantation <i>Lim Wai Hon</i> | Transplant-associated thrombotic microangiopathy - more than just clot and bleed <i>Masaomi Nangaku</i> |
| 1640 - 1700 | Optimising mycophenolic acid exposure in kidney transplant recipients: time for target concentration intervention <i>Wong Hin Seng</i> | Equity in leadership <i>Germaine Wong</i> | Role of DSA monitoring post kidney transplantation <i>Christophe Legendre</i> | Post-transplant lymphoproliferative disorders <i>Atul Humar</i> |
| 1700 - 1720 | Can mTORi be combined with CNI in renal transplantation? Experimental and clinical evidence <i>Yang Chul Woo</i> | Fertility and pregnancy post solid organ transplantation <i>Maggie Ma</i> | The influence of immunosuppressive agents on the risk of denovo DSA in solid organ transplant recipients <i>Lionel Rostaing</i> | Risk of cancer after solid organ transplant in childhood <i>Jonathan Craig</i> |
| 1720 - 1740 | Evolution of Banff Classification: 20 years ahead <i>Brian Nankivell</i> | How women can bring change to organ transplantation - the Mongolian experience <i>Lkhaakhuu Od-Erdene</i> | The role for inhibition of the CD40-CD154 pathway in co-stimulation blockade <i>Lionel Rostaing</i> | Obesity and metabolic syndrome post transplantation: prevention and management <i>Kim Yeong Hoon</i> |
| 1740 - 1800 | MicroRNA profiles predictive of organ allograft status <i>Manikkam Suthanthiran</i> | Panel Discussion and Q&A | | |
| 1800 - 1900 | | WIT Networking Event Chairpersons: Khin Thida Thwin & Yeong Hoon Kim Introduction to ASTREG-WIT-KT Project <i>Miyeun Han</i> Panel Discussion and Q&A Chairpersons: Roslyn Mannon Introduction to WIT Pillar 3 Advocacy <i>Bianca Davidson</i> | | |
| | | Panel Discussion and Q&A | | |

Scientific Programme

Congress Day 3 (Wednesday, 28 July 2021)

| Time | PLENARIES | | | |
|-------------|---|--|---|---|
| 0830 - 0900 | Plenary 6: Experimental xenotransplantation <i>Megan Sykes</i> Chairpersons: Mohamad Zaimi Wahab & Hirman Ismail | | | |
| 0900 - 1000 | STATE OF THE ART SYMPOSIUM (6) | | | |
| | Innovation in transplantation | Post-transplant complications | Asian experts in Transplantation | Women in transplantation |
| 0900 - 1000 | Chairpersons: Sunita Bavanandan & Diana Mohd Shah | Chairpersons: Suryati Yaakob & Fairol Huda | Chairpersons: Mohd Nazeri Nordin & Philip Jeremiah | Chairpersons: Rafidah Abdullah & Chandramalar T Santhirathelagan |
| 0900 - 0920 | Clinical transplantation: how do we measure performance? <i>Steve Chadban</i> | Current strategies in post-transplant diabetes mellitus <i>Masaomi Nangaku</i> | Translational research in transplantation <i>Hideki Ohdan</i> | Gender balance in living donation - from the recipient's and donor's perspective <i>Allison Tong</i> |
| 0920 - 0940 | Future of research in transplantation <i>Jeremy Chapman</i> | Bone disease post transplantation: spectrum, impact, prevention and management <i>Wong Jiunn</i> | Role of macrophages in transplant oncology and immunology <i>Nancy Kwan Man</i> | <i>Nicole Scholes-Robertson</i> <i>Amanda Dominello</i> |
| 0940 - 1000 | | | | (0945 - 1005) Sex disparities in access to transplantation care during COVID-19 in Asia <i>Vasanthi Ramesh</i> |
| 1000 - 1030 | COFFEE BREAK | | | (1005 - 1025) Pregnancy induced sensitisation and sex disparity in living donation <i>Deirdre Sawinski</i> |
| | | | | (1025 - 1055) Panel discussion Speakers and WIT members |

| 1030 - 1230 | ORAL PRESENTATIONS | | | Vitalink Session II |
|-------------|---|--|--|---|
| | Kidney 3 | Basic Science 2 | Liver and Intestine | How to improve self-sufficiency in Asia? |
| | Chairperson: Wan Hazlina Wan Mohamad | Chairpersons: Teoh Chee Kiang | Chairpersons: Tan Soek Siam | Chairpersons: Marcelo Cantarovich and Devinder Singh Rana |
| 1030 - 1040 | Ulvan Ameliorates Kidney Ischemia-Reperfusion Injury in Mice <i>Hyuk Jai Jang</i> | Selective Inhibitor of iNOS Protects Against Hepatic Warm Ischemia and Reperfusion Injury-Induced Pulmonary Capillary Barrier Dysfunction Through Suppressing Matrix Metalloproteinase-9 <i>Jiun-Jr Wang</i> | A Single Center Experience of the Prognosis After Liver Transplantation from Discarded Graft Due to Poor Graft Conditions in Prioritized Centers <i>Ho Joong Choi</i> | Introduction Activity of deceased organ transplantation in Asia <i>Jeong Jong Cheol</i> |
| 1040 - 1050 | The Utility of Combined Urine Urea and Creatinine Clearance for Pre-transplant Renal Function Assessment <i>Chee Keong Thye</i> | Protective roles of miR-34c in hypoxia by activating autophagy through BCL2 repression <i>Soyoung Kim</i> | A trade-off between "left at right" and "left at left" liver transplantation <i>Cheng-Yen Chen</i> | Vietnam <i>Hai An Ha Phan</i> |
| 1050 - 1100 | Overview of HLA Class I And Class II Preformed Antibodies in Malaysian Renal Transplant Candidates <i>Jamila Ismail</i> | Resveratrol pretreatment protects against myocardial injury and cardiac dysfunction induced by hepatic ischemia and reperfusion injury in vascular calcification rat <i>Jiun-Jr Wang</i> | Steroid resistant rejection in liver transplantation; a single center study for risk factor and second line treatment <i>Tae yun Lee</i> | Myanmar <i>Khin Maung Htay</i> |
| 1100 - 1110 | Kidney Transplant Outcome with Pre-formed Donor Specific Antibodies: the Malaysian Data <i>Yee Seow Yeing</i> | Resveratrol administration improves hepatic ischemia and reperfusion injury-associated long term left ventricular dysfunction and ventricular-arterial coupling in rats <i>Jiun-Jr Wang</i> | The impact of immunosuppressants on gut microbiome of long-term stable patients after liver transplantation <i>Soon Kyu Lee</i> | Bangladesh <i>Harun Ur Rashid</i> |
| 1110 - 1120 | Human Leukocyte Antigens (HLA) Mismatches and Kidney Transplant Outcome in Malaysia <i>Yee Seow Yeing</i> | Hepatoprotective effects of curcumin from ischemia-reperfusion injury in rats <i>Min-Su Park</i> | Impact of donor and recipient age on outcomes after living-donor liver transplantation <i>Tsukasa Nakamura</i> | Indonesia <i>Atma Gunawan</i> |
| 1120 - 1130 | Whipple's Disease in Renal Transplant Recipients: A Single Center Experience from Pakistan <i>Asma Nasim</i> | Baicalein extract Reduces Hepatic Ischemia-Reperfusion Injury in Rats <i>Min-Su Park</i> | Clinical Impact of Gadoteric Acid-Enhanced Magnetic Resonance Imaging on living donor liver transplant <i>Hsin-You Ou</i> | Sri Lanka <i>Ruwan Dissanayake</i> |
| 1130 - 1140 | Gram negative blood stream infection in renal transplant recipients: risk factors and outcome from a transplant center in Pakistan <i>Asma Nasim</i> | Trans-cinnamic acid ameliorates hepatic Ischemia-Reperfusion Injury in rat <i>Min-Su Park</i> | Clinical significance of Mac-2 binding protein glycosylated isomers as a surrogate marker of liver graft fibrosis after pediatric liver transplantation. <i>Kazuaki Tokodai</i> | |

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|-------------|---|--|--|---|
| 1140 - 1150 | The Utility of eGFR Equations in Assessing Renal Allograft Function: Are They Accurate? <i>Lim Kai Wei</i> | Effect of Seed of Cassia tora against hepatic ischemia reperfusion injury <i>Min-Su Park</i> | Long-term outcome following tacrolimus related neurotoxicity in pediatric living related liver transplantation <i>Takehisa Ueno</i> | Nepal <i>Dibya Singh</i> |
| 1150 - 1200 | Impact of donor-recipient age combinations on recipient outcomes in living donor kidney transplantation <i>Fang-Cheng Kuo</i> | Autologous islet transplantation in a swine model: A preliminary step in an allogeneic transplant experiment <i>Kohei Miura</i> | Prevalence and impact of depression on liver donors post-transplant. <i>Wen Hui Lim</i> | |
| 1200 - 1210 | Prevalence and predictive factors of delayed graft function among kidney transplant recipients in the Klang Valley <i>Brian Anthony</i> | Effect of exenatide on a swine islet autotransplantation model <i>Takashi Kobayashi</i> | Prevalence and impact of mood disorders on liver transplant recipients - The combat against depression. <i>Wen Hui Lim</i> | Pakistan <i>Ejaz Ahmed</i> |
| 1210 - 1220 | Is compensation prediction score for Contralateral Kidney after living donor kidney donation useful in the United States? <i>Kenji Okumura</i> | Fucoidan Improve Outcomes in a Syngeneic Mouse Islet Transplant Model <i>Hyuk Jai Jang</i> | Noninvasive Evaluations to Estimate Graft Steatosis in Living Donor Liver Transplantation for Donor safety and Successful Outcome <i>Joseph Ahn</i> | Mongolia <i>Pandaan Batchuluun</i> |
| 1220 - 1230 | Significance of Natural Killer Cell Counts to Predict Allograft Rejections in Kidney Transplant Recipients <i>Elisya Liyana Abdullah</i> | | Early use of everolimus as a third immunosuppressive agent for Intestinal transplantation <i>Takehisa Ueno</i> | Review and comments: How to achieve self-sufficiency in Asia? <i>Marcelo Cantarovich</i> |
| 1230 - 1330 | AST General Body Meeting | | | |
| 1230 - 1400 | Industry Sponsored Symposium (Takeda): CMV Burden of disease | | | |
| 1400 - 1510 | STATE OF THE ART SYMPOSIUM (7) and ROUNDTABLES | | | |
| | Transplantation in Asia – challenges & way forward | Transplant infectious diseases | The ODISSeA project (Malaysia, Thailand, Myanmar, Philippines) How to improve self- | |
| 1400 - 1510 | Chairpersons: Hirman Ismail & Azmee Mohd Ghazi | Chairpersons: Lim Soo Kun & Maisarah Jalalonmuhali | Chairpersons: Stephanie C. Andres & Maria Paula Gomez | |
| 1400 - 1420 | Role of Vitallink in advancing transplantation in Asia <i>Curie Ahn</i> | CMV: Consensus on monitoring, prevention, and therapeutic updates <i>Atul Humar</i> | <i>Maria Paula Gomez</i> <i>Koong Jun Kit</i> <i>Muhammad Iqbal Abdul Hafidz</i> | |
| 1420 - 1440 | Longest on waiting list vs fittest and shortest waiting time gets the kidney <i>Rosnawati Yahya</i> | COVID-19: Vaccination in transplant recipients <i>Dorry Segev</i> | <i>Chatchai Mingmalairak</i> <i>Htar Kyi Swe</i> <i>Khin Thida Thwin</i> <i>Maria Bad-Ang</i> | |
| 1440 - 1500 | The Spanish model: can it be implemented in Asia? <i>Chloe Balleste</i> | Hepatitis C: When is the optimal time to treat? <i>Tan Soek Siam</i> | <i>Stephanie C. Andres</i> | |
| 1515 - 1600 | CLOSING CEREMONY & AWARDS CEREMONY | | | |

Industry Sponsored Symposia



Astellas Pharma Malaysia Sdn. Bhd.

Day 1: Monday, 26 July 2021, 1230 - 1400

Chairperson: Rosnawati Yahya

Topic 1: Improving Long-Term Outcomes in Managing Kidney Transplant Patient

Speaker: *Luis Guirado*

Topic 2: Empower Patient with Education and Self-monitoring Tool (iCOMMIT App)

Speaker: *Mohamad Zaimi*



Novartis Corporation (Malaysia) Sdn. Bhd.

Day 2: Tuesday, 27 July 2021, 1230 - 1400

Chairperson: Muhammad Iqbal Abdul Hafidz

Topic: Transforming transplantation using iBox predictive risk scoring system

Speaker: *Marc Raynaud*



Takeda Pharmaceuticals Pte Ltd (Growth & Emerging Market)

Prevention and management of CMV in 2021

Day 3: Wednesday, 28 July 2021, 1230 - 1400

Topic 1: Burden of CMV Infection/disease and risk factors among SOT recipients

Speaker: *Camille Kotton*

Topic 2: Unmet needs and challenges in the management of CMV infection in the high-risk SOT

Speaker: *Steven Chadban*

Topic 3: Managing post-transplant CMV infection: Case-based discussion

Acknowledgements

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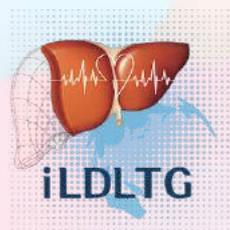
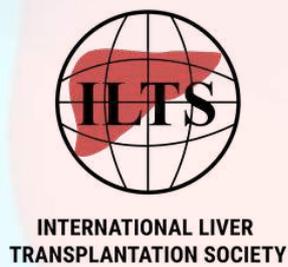


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National Renal Registry

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The Transplantation Society
World Congress of Nephrology 2022

Endorsed by





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25-28 August 2023

HONG KONG CONVENTION & EXHIBITION CENTRE

Organised by:



香港移植學會
Hong Kong Society of Transplantation



Asian Society of
Transplantation

