

**5th INTERNATIONAL HYBRID LIVING DONOR LIVER TRANSPLANTATION
CONGRESS and 21st POSTGRADUATE COURSE
of the BELGIAN SECTION for HEPATO-BILIARY AND PANCREATIC SURGERY :
“EXCELLENCE THROUGH VERSATILITY”**

Organised by the **International Living Donor Liver Transplantation Group (iLDLTG)** and the
Belgian Section for Hepato-Biliary and Pancreatic Surgery (BSHBPS) of the **Royal Belgian Society for Surgery (RBSS)**.

Endorsed by the **Belgian Transplantation Society (BTS)**; the **Belgian Liver-Intestine Advisory Committee (Be-LIAC)** and
ESOT, TTS, STALYC, ELITA, ELTR, Asian ST, Korean ST, UEMS-EBTS, ILTS, ISLS, ILLS, IASGO, RBSS, ACHBT,
EUROLIVER Foundation, HEPATOTRANSPLANT Brussels, Visit Brussels, Brussels Capital and the Korean Cultural Centre.

OCTOBER 15-16, 2021 VENUE : LE PLAZA HOTEL, BRUSSELS BELGIUM

DAY 1

FRIDAY OCTOBER 15, 2021

07.00-08.00	Registration		
07.50-08.00	Wellcome address	Jan LERUT	Leuven (B)
08.00-10.00	SESSION I : A GLOBAL VIEW ON LIVING DONOR LIVER TRANSPLANTATION		
	Chairpersons : Costantino FONDEVILA, president ELITA (Barcelona, Sp) and Yaman TOKAT (Istanbul, Tr)		
08.00-08.15	<i>Turkey : the huge effort</i>	Sezai YILMAZ	Malatya (Tr)
08.15-08.25	<i>Middle-East : the difficult task</i>	Refaat KAMEL	Cairo (Eg)

08.25-08.35	South-America : the moving target	Wellington ANDRAUS	Sao Paolo (Br)
08.35-08.50	USA : the rising curve	Abhinav HUMAR	Pittsburgh(US)
08.50-09.05	India : the exponential curve	Subhash GUPTA	Dehli (In)
09.05-09.20	<i>From East to West : understanding both sides of the fence</i>	David KWON	Cleveland (US)
09.20-09.35	Europe : the ELRegistry report	Rene ADAM	Paris (Fr)
09.35-09.55	<i>Asia : future developments of LDLT</i>	Sung Gyu LEE	Seoul (r)

10.00-10.20	STATE OF ART LECTURE 1		
	Chairperson : Jacques PIRENNE (Leuven, Be), president Be-LIAC and ELIAC		
	The changing indications of liver transplantation	Hans VAN VLIERBERGHE	Ghent (Be)

10.30-12.00 SESSION II : HEPATOBILIARY ONCOLOGY 1

DOES (LIVING DONOR) LIVER TRANSPLANTATION CONFER AN(Y) ADVANTAGE TO RESECTION ?

Chairpersons : Frederik BERREVOET, president BSHBPS (Ghent, Be) and Rene ADAM (Paris, Fr)

10.30-10.50	Hepatocellular cancer	Quirino LAI & Jan LERUT	Rome (It) Leuven (Be)
10.50-11.10	<i>Cholangiocellular cancer</i>	Julie HEIMBACH	Rochester (US)
11.10-11.30	<i>Secondary liver cancer</i>	Mark CATTRAL	Toronto (Ca)
11.30-11.45	Hepatocellular and embryonal cancers in children	Piotr KALICYNSKI	Warsaw (Pl)
11.45-12.00	Q&A		

12.00-13.00 SESSION III : BEST ABSTRACT SESSION 1 Indications and technical aspects

Chairpersons : Kwang-Woong LEE (Seoul, Kr) and David KWON (Cleveland, US)

12.00-12.12 J. Rhu, M-S Kim, G-S Choi, W-K Jeon,; J.M. Kim, J-W Joh (Seoul, S.Kr).

A novel technique for bile duct division during laparoscopic living donor hepatectomy to overcome biliary complications in liver transplantation recipients: 'cut and clip' rather than 'clip and cut'.

12.12-12.24 A.Ali Deeb A., F.Rauchfuß ., U.Settmacher (Jena,Ge).

Living donor two stage liver transplantation for non-cirrhotic patients

12.24-12.36 J.Rhu; M-S Kim, G-S Choi; J.M Kim; Ch-H David Kwon; J-W Joh (Seoul, S.Kr)

Laparoscopic living donor right hepatectomy regarding the anatomical variation of portal vein: a propensity score matched analysis

12.36-12.48 MC Giglio, Cho HD, J Rhu, JY Cho, K Sasaki, DH Han, D Kwon, H-S Han, PD Chen, YM Wu, GH Choi , GS Choi, KH Kim ,RI Troisi (Naples, It).

The unstoppable evolution of minimally invasive donor hepatectomy : Robotic versus laparoscopic and open right lobe procurement . A multicenter study on 1194 donor hepatectomies

12.48-13.00 C Eymard, Si Naik , J D Eason (Memphis, USA)

Steroid-free living donor liver transplantation using Rabbit anti-thymocyte globulin induction reduces incidence of acute cellular rejection

13.00-14.00	INDUSTRY SPONSORED SESSION
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14.00-15.30 **SESSION IV : HEPATOBILIARY ONCOLOGY 2**

HEPATOCELLULAR CANCER AND LIVER TRANSPLANTATION : IS THERE AN ETHICAL LIMIT ?

Chairpersons : Kim OLTHOFF (Philadelphia, US) and Daniel CHERQUI (Paris, Fr)

14.00-14.20	<i>The crucial role of interventional radiology</i>	Yu-Fan CHENG	Kaohsiung (Tw)
14.20-14.40	Extended inclusion criteria : the Western view	Max MALAGO	London (UK)
14.40-15.00	<i>Extended inclusion criteria : the Eastern view</i>	Tiffany WONG	Hong Kong (HK)
15.00-15.20	<i>Advanced inclusion criteria: venous tumour thrombus ?</i>	Avi SOIN	Dehli (In)
15.20-15.30	Q&A		

15.20-16.00 Tea and Coffee break

POSTER ROUND 1

16.00-17.00 **SESSION V : TECHNICAL ISSUES IN LIVING DONOR TRANSPLANTATION 1**

BEST-OF-BEST *VIDEO LECTURE SERIES* : FROM RIGHT TO LEFT or STRATEGIES TO OPTIMISE OUTCOME.

Chairpersons : Gabriel GONDOLESI (Buenos Aires, Arg) and Arianeb MEHRABI (Heidelberg, Ge)

16.00-16.15	<i>Standardized donor hepatectomy : right liver</i>	Gi-Won SONG	Seoul (Kr)
16.15-16.30	<i>Standardized donor hepatectomy : left liver</i>	Toru IKEGAMI	Fukuoka (Jp)
16.30-16.40	Recipient hepatectomy and high hilar dissection	Kwang-Woong LEE	Seoul (Kr)
16.40-17.00	<i>Experience from the world's largest transplant centre</i>	Qiang XIA	Shangai (Cn)

17.00-18.45 SESSION VI : MODERN TECHNOLOGY in LIVER SURGERY and LIVER TRANSPLANTATION.

Chairpersons : Alexandra DILI, past-president BSHBPS (Mont-Godinne, Be) and Pietro MAJNO (Lugano, CH)

17.00-17.20	Modern imaging in hepatocellular cancer: towards a better characterization and classification ?	Vincent VANDECAVEYE	Leuven (Be)
17.20-17.35	Optimized imaging and hepatectomy using Livervision	Deniz BALCI	Ankara (Tr)
17.35-18.05	<i>ICG guided laparoscopic mono-segmentectomy 1 to 8</i>	<i>Xiaoying WANG</i>	<i>Shangai (Cn)</i>
18.05-18.25	Pure laparoscopic donor hepatectomy and recipient explant hepatectomy and robotic graft implantation	<i>Kyung-Suk SUH</i>	Seoul (S.Kr)
18.25-18.45	Robotic hepatectomy: open surgery in a closed abdomen	Dieter BROERING	Riyadh (SA)
18.45-19.00	Quality of life after minimal invasive hepatectomy	Daniel CHERQUI	Paris (Fr)

Free flowing tea and coffee during the whole meeting

Poster exhibition : continuous display on large flat screens during the whole meeting

19.30-22.30 BELGIAN COLOURED RECEPTION at BRUSSELS' TOWN HALL– Grande Place, Brussels

DAY 2**SATURDAY OCTOBER 16, 2021****08.00- 09.40 SESSION VII : CHALLENGES IN LIVING DONOR LIVER TRANSPLANTATION.****Chairpersons : Nam-Yoon YI (Seoul, Kr) and Jiri VRONEK (Prague, Cz)**

08.00-08.15	<i>Donor specific antibodies : does it matter?</i>	Hiroto EGAWA	Tokyo (Jp)
08.15-08.30	<i>ABO incompatibility : how to overcome?</i>	Gi-Won SONG	Seoul (Kr)
08.30-08.45	<i>Small for size grafting : intra- and peri-operative care</i>	Yuji SOEJIMA	Matsumoto (Jp)
08.45-09.00	<i>Re-transplantation and LDLT</i>	Deok Bog MOON	Seoul (Kr)
09.00-09.15	Liver surgery after liver transplantation	Olivier SOUBRANE	Paris (Fr)
09.15-09.30	Bariatric surgery before,during and after transplantation	Julie HEIMBACH	Rochester (US)
09.30-09.40	Q&A		

09.40-10.00 PRESIDENTIAL LECTURE**Chairperson : Jan LERUT, immediate past-president iLDLTG (Leuven, Be)***Living donor liver transplantation : excellence through versatility Chao-Long CHEN Kaohsiung (Tw)***10.00-10.20 STATE OF ART LECTURE 2****Chairperson : Hiroto EGAWA, president-elect iLDLTG (Tokyo, Jp)**

Pediatric - living donor - liver transplantation Mohammed RELA, president-elect ILTS, Chennai (In)

10.20-12.20 SESSION VIII : CROSS-FERTILISATION BETWEEN LIVER SURGERY AND LIVER TRANSPLANTATION.

Chairpersons : Bert VAN DEN BOSSCHE (Aalst, Be) and Olivier SOUBRANE (Paris,Fr)

10.20-10.40	In-vivo resection, liver cooling and veno-venous bypass	Daniel AZOULAY	Paris (Fr)
10.40-11.00	<i>Ex-vivo resection and auto-transplantation: benign (parasitic) tumors</i>	<i>Jia-Hong DONG</i>	<i>Beijing (Cn)</i>
11.00-11.20	<i>Ex-vivo resection and auto-transplantation: malignant tumors</i>	<i>Pal-Dag LINE</i>	<i>Oslo (No)</i>
11.20-11.35	Advancing the ALPPS procedure : still actual in 2021 ?	Henrik PETROWSKY	Zurich (Ch)
11.35-11.50	<i>Split liver transplantation : liver anatomy is key</i>	<i>Jean de VILLE de GOYET</i>	<i>Palermo (It)</i>
11.50-12.00	Q&A		

12.00-13.00 SESSION IX : BEST ABSTRACT SESSION 2 Living donor safety and quality of life

Chairpersons : James EASON (Memphis, USA) and Wojtek POLAK, past-president of ELITA (Rotterdam, NI)

12.00-12.12 *H-S Jo, Y-D Yu, DSk Kim (Seoul, Kr)*

The left graft may be the "right" graft: a comparative study of using the right versus left graft in adult-to-adult LDLT

12.12-12.24 *S H Oh, I S Jeong, W K Jhang, S J Park, J-M Namgoong, D Y Kim, D B Moon, G-W Song, G-CH Park, T-Y Ha, C-S Ahn, K-H Kim, Sh Hwang, S-G Lee, K-M Kim (Seoul,.Kr)*

Entering a new era of zero-mortality in pediatric living donor liver transplantation

12.24-12.36 H.Uchida, S. Sakamoto, K. Mimori, T. Nakao, Y. Yanagi, S. Shimizu, A. Fukuda, M.Kasahara (Tokyo, Jp)

Living donor liver transplantation for pediatric hepatic tumors with tumor thrombi

12.36-12.48 J Choi, YR Choi, K O-Kyung, K Juhee, K Hyeonsu, H Ahn, K Kyun gAe, S Y Hong, S Suh, K Hong, E S Han, J-M Lee, SK Hong, N-J Yi, K-W Lee, K-S Suh (Seoul, Kr)

Modified Charlson Comorbidity Index as a pre-operative selection tool for liver transplantation in elderly patients

12.48-13.00 P Vargas , E McCracken , I Mallawaarachchi , S Ratcliffe , C Argo , S Pelletier , V Zaydfudim , J Oberholzer , N Goldaracena (Charlottesville, US) .

Donor morbidity is equivalent between right and left hepatectomy for living liver donation: a meta-analysis

13.00-14.00 SANDWICH LUNCH

*i*LDLTG GENERAL ASSEMBLY

POSTER ROUND 2

14.00-15.00 SESSION X :TECHNICAL ISSUES IN LIVING DONOR TRANSPLANTATION 2

Chairpersons : Abhimav HUMAR (Pittsburgh, USA) and Ulf NEUMANN (Aachen, Ge)

BEST-OF-BEST VIDEO LECTURE SERIES:"WHEN NOTHING IS LEFT" ...PROBLEM SOLVING KNACKS.

	<i>No hepatic artery</i>		
14.00-14.15	Hints for the ideal arterial reconstruction	Nam-Joon YI	Seoul (Kr)
14.15-14.30	<i>Extra-anatomical arterial reconstruction</i>	Yaman TOKAT	Istanbul (Tr)
	<i>No portal vein</i>		
14.30-14.45	<i>Extended portal vein thrombosis</i>	Prashant BHANGUI	Dehli (In)
	<i>No hepatic vein</i>		

14.45-15.00	<i>IVC and Right atrium reconstruction</i>	<i>Qian LU</i>	<i>Beijing (Cn)</i>
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15.00-15.35	SESSION XI : iDLTG MULTICENTER STUDY ENDEAVOUR		
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Chairpersons : Chao-Long CHEN (Kaohsiung, Tw) and Kwang-Woong LEE (Seoul, Kr)

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| <i>Introduction of Vanguard Multicenter committee and ongoing projects</i> | <i>Toru IKEGAMI (Jp)</i> |
| <i>- Intra-operative aborted donor or recipient LDLT surgeries</i> | <i>Takeo TOSHIMA (Jp)</i> |
| <i>- LDLT for Budd Chiari syndrome</i> | <i>Takashi ITOH (Jp)</i> |
| <i>-Venous thromboembolic prophylaxis protocol and outcomes in donors</i> | <i>Srinivas REDDY (In)</i> |

15.35-16.10 SESSION XII : TECHNICAL ISSUES IN LIVING DONOR LIVER TRANSPLANTATION 3

Chairpersons : Gomathy NARASIMHAN (Chennai, In) and Yuji SOEJIMA (Matsumoto, Jp)

BEST-OF-BEST *VIDEO LECTURE SERIES* : HAEMODYNAMIC ALLOGRAFT MODULATION.

	<i>Arterial inflow modulation</i>		
<i>15.35-15.50</i>	<i>Splenic artery ligation, splenic devascularisation or splenectomy ?</i>	<i>Toru IKEGAMI</i>	<i>Fukuoka (Jp)</i>
	<i>Portal inflow modulation</i>		
<i>15.50-16.05</i>	<i>Non-shunt or shunt modulation technique ?</i>	<i>Koichiro HATA</i>	<i>Kyoto (Jp)</i>
<i>16.05-16.10</i>	<i>Q&A</i>		

16.10-16.30	STATE OF ART LECTURE 3 Chairperson : Martin WISSING, president BTS (Brussels, Be) Experience of the Swiss Organ Living Donor Health Registry : lessons learned from living kidney donation Christa NOLTE Basel (Ch)
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16.30-17.30 **SESSION XIII :TECHNICAL ISSUES IN LIVING DONOR TRANSPLANTATION 4**
BEST-OF-BEST VIDEO LECTURE SERIES : THE BILIARY TRACT, HOW TO TACKLE THIS ACHILLES' HEEL ?
Chairpersons : Jae Hyun KWON (Seoul, SKr) and Raj PRASAD (Leeds,UK)

16.30-16.40	<i>Hints for the ideal biliary tract reconstruction</i>	<i>Tsan-Shiun LIN</i>	<i>Kaohsiung (Tw)</i>
16.40-16.55	<i>How to deal with : interventional radiology</i>	<i>Yu-Fan CHENG</i>	<i>Kaohsiung (Tw))</i>
16.55-17.10	How to deal with : endoscopy	Magdy EL-SERAFI	Cairo (Eg)
17.10-17.25	<i>How to deal with : surgery</i>	<i>Nigel HEATON</i>	<i>London (UK)</i>
17.25-17.30	Q&A		

17.30-19.00 **SESSION XIV:TECHNICAL ISSUES IN LIVING DONOR TRANSPLANTATION 5**
BEST-OF-BEST VIDEO-LECTURE SERIES : PARTICULAR LIVER GRAFTS
Chairpersons : Jean de VILLE de GOYET (Palermo, It) and Daniel AZOULAY (Paris, Fr)

17.30-17.45	<i>Monosegmental graft</i>	<i>Mureo KASAHARA</i>	<i>Tokyo (Jn)</i>
17.45-18.00	<i>Auxiliary graft</i>	<i>Mettu S. REDDY</i>	<i>Chennai (In)</i>
18.00-18.15	<i>Right posterior and left extended grafts</i>	<i>Kyung-Suk SUH</i>	<i>Seoul (Kr)</i>
18.15-18.35	<i>Dual graft</i>	<i>Deok Bog MOON</i>	<i>Seoul (Kr)</i>
18.35-18.50	<i>No-donation graft</i>	<i>Zhi-Jun ZHU</i>	<i>Beijing (Cn)</i>

18.50-19.00 **Closing remarks by the iLDLT president** **Chao-Long CHEN** Kaohsiung (Tw)

Chairperson : Laurent Coubeau (Brussels, Be) and Olivier DETRY (Liège, Be)

- 1.K.Furukawa (Tokyo, Jp) : The standardized ABO incompatible-living donor liver transplantation
- 2.JY.Cho (Seoul, Kr) : Long-term outcomes of emergency ABO-incompatible living donor liver transplantation for acute liver failure using a modified desensitization protocol
- 3.K.Haruki (Tokyo, Jp) :The strategy for hepatectomy with inferior vena cava resection
- 4.I.Porshennikov (Novosibirsk, Novgorod, Moscow, Ru) : Pitfalls in advanced alveolar echinococcosis of the liver: from transplantation to "transplant surgery"
- 5.YR.Choi (Seoul, Kr) : Steatosis and fibrosis index change of living donor liver graft after weight reduction
- 6.KC.Yoon (Seoul, Kr) : Hepatitis B immunoglobulin as prophylaxis for de novo hepatitis B virus infection in liver transplantation: a large cohort study
- 7.B.Vasavada (Ahmedabad, In) : Postoperative mortality after liver resection for hepatocellular carcinoma : a systemic review. Meta-analysis and meta-regression of studies published in last 5 years.
- 8.SK.Hong (Seoul, Kr) : Outcomes of living donor liver transplantation in patients with a history of ruptured hepatocellular carcinoma
- 9.B.Gurmikov (Moscow, Ru) : Influence of clinical and molecular genetic factors on long-term results of surgical treatment of intrahepatic cholangiocarcinoma
- 10.S.Kapoor (In) : Salvaging small for size grafts with splenic artery embolization in living donor liver transplant: older liver may not recover.

11.S.Junrungsee (Chiang Mai, Th) : Outcome of adult living versus deceased donor liver transplantation in a low volume transplant program: lessons learned from Chiang Mai, Thailand

12.H.Le Trung (Hanoi, Vn) : Vascular reconstruction and outcomes of adult-to-adult right lobe living donor liver transplantation : a single center experience in Vietnam

13.KI.Kang (Daegu, Kr) : Migration of grafted polytetrafluoroethylene used for reconstruction of the middle hepatic vein into the stomach after living-donor liver transplantation

14.E.Appuswamy (Chennai, In) : Impact of urgent live liver donation on donor post-operative pain, analgesia requirement and long-term quality of life : a propensity score matched analysis

POSTER ROUND SATURDAY 13.00-14.00 HRS

Chairperson : Eliano BONACCORSI-RIANI (Brussels, Be) and Valerio LUCIDI (Brussels, Be)

15.R.Almubark (SA) : Attitudes toward organ donation in Arab-based population: lack of will or knowledge?

16.MC.Giglio (Naples, It) : Machine learning improves the accuracy of graft weight prediction in living donor liver transplantation

17.MC.Giglio (Naples, It) : Development of a model to predict the risk of early graft failure after adult-to-adult living donor liver transplantation: an ELTR study

18.SK.Krishnan (Chennai, In) : Predictors of early remnant liver regeneration after right live donor hepatectomy and assessment of segmental regeneration

- 19.AR.Hakeem (Leeds, UK)** : Donor outcome in 104 living donor liver transplantations: can good outcomes be sustainable at a low-volume Western centre?
- 20.AR.Hakeem (Leeds, UK)** : Living donor liver transplant: recipient outcomes from a Western Centre
- 21.JY.Jeffery (Leeds, UK)** : Non-directed altruistic liver donation: a United Kingdom experience
- 22.AR.Chorley (Rotterdam, NI)** : Establishment of a living donor liver transplant program in a western country : the Rotterdam experience.
- 23.R.Prasad (Leeds, UK)** : Outcomes of a new adult to adult LDLT programme in South Asia, based on experience from a Western centre
- 24.M.S.Patel (Toronto, Ca)** : A Western experience of using living donor grafts for liver re-transplantation
- 25.K.Y.Polat (Istanbul, Tr)** : Comparing the outcomes of deceased-donor and living-donor liver re-transplantation
- 26.K.Hirukawa (Kumamoto, Jp)** : Advantages of extrahepatic Glissonean approach in the donor operation in living donor liver transplantation
- 27.HH.Moon and YI Choi (Busan, Kr)** :The outcomes of pure laparoscopic living donor hepatectomy at small volume center
- 28.G.Aguilar Ruiz (Guatemala City, Gt)** : First case report of a right lobe living donor liver transplantation in Guatemala

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**iLDLTG and the BSHBPS thank Johnson & Johnson for the organisation of the Industry sponsored session
THE VISIBLE PATIENT - 3D RECONSTRUCTION IN HBP SURGERY**

SUPPLEMENTARY information about the JOINT [HYBRID](#) CONGRESS, CONGRESS VENUE, FACULTY and social program at

www.ildlt2021.org

and severine.desmet@mci-group.com