

# Scientific Program

Day 1, Oct 1st (Tue)

8:00-9:00 **ILLS Presidents' Lectures** Room 1 (3F Genji 1)

Chairs



Hironori Kaneko (Japan)



Bjørn Edwin (Norway)

**PL-01**



**Anatomic Resection for HCC: A Western Perspective**  
Daniel Cherqui (France)

**PL-02**



**Why LLR expert has evolved into robotic HBP surgeon**  
Go Wakabayashi (Japan)

**PL-03**



**Laparoscopic vs. Robotic Major Hepatectomy:  
What is the Data?**  
David Geller (USA)

**PL-04**



**The global expansion of minimally invasive liver surgery,  
between hypothesis and results!**  
Moh'd Abu Hilal (Italy)

9:00-9:56 **Mini Oral 1** Room 1 (3F Genji 1)  
**Applications of Fluorescence Surgery 1**

Chairs

Claudius Conrad (USA), Ken Shirabe (Japan)

**M01-01**

**Indocyanine Green Fluorescence Patterns in Liver Tumor Surgical  
Specimens and Their Prognostic Value for Recurrence-Free Survival**  
Suk Kyun Hong (Republic of Korea)

- M01-02**      **Propensity Score Matched Analysis of Laparoscopic Anatomical Liver Resection Guided by Indocyanine Green Negative Staining Versus Conventional Laparoscopic Techniques**  
Wai-yin Chu (Hong Kong)
- M01-03**      **Techniques and Innovations for Laparoscopic Anatomical Liver Resection~Intraoperative Real-time Navigation with ICG Fluorescence Imaging~**  
Tomokazu Kusano (Japan)
- M01-04**      **Laparoscopic Anatomical Liver Resection of (Sub-) Segment VIII Using the “First Hepatic Hilum Approach” with Indocyanine Green Fluorescence Negative Staining**  
Kai Chen (China)
- M01-05**      **Real anatomical right hepatectomy preserving the caudate lobe using the ICG fluorescent imaging**  
Dae Hyeon Won (Republic of Korea)
- M01-06**      **Surgical outcome of laparoscopic hepatectomy using ICG fluorescence for multiple colorectal liver metastasis**  
Ryo Ashida (Japan)
- M01-07**      **Redo Laparoscopic Anatomical Liver Resection For Recurrent Hepatocellular Carcinoma Guided By Real-time ICG Fluorescence Imaging**  
Itsuko Chih-Yi Chen (Taiwan)

**10:10-11:10      Selected Free Papers      Room 1 (3F Genji 1)**

**Chairs**      Giammauro Berardi (Italy), Satoru Seo (Japan)

**SF-01**      **Outcomes of fully robotic recipient living donor liver transplant in relation to the open approach**  
Dimitri Aristotle Raptis (Saudi Arabia)

**SF-02**      **Anatomical left hepatectomy extended to caudate lobe due to colorectal metastasis with intrabiliary growth: securing the optimal margins with a Laennec’s capsule approach and vein-guided resection.**  
Nuria Blanco Asensio (Spain)

- SF-03**      **ROBOTIC CAUDATE RESECTION WITH EXTENDED HEPATECTOMY FOR LARGE PARACAVAL TUMORS: A MULTI-INSTITUTION SERIES**  
Jason Hawksworth (USA)
- SF-04**      **Laparoscopic Treatment for Hepatic Cyst: A Review of Recent Outcomes at a Single Tertiary Center**  
SeungWook Han (Republic of Korea)
- SF-05**      **Difficulty scoring system of Pure laparoscopic donor Right hemihepatectomy**  
Jeong-Moo Lee (Republic of Korea)
- SF-06**      **ARTIFICIAL INTELLIGENCE BASED AUTOMATIC IMAGE RECOGNITION OF ANATOMICAL STRUCTURES AND OPERATIVE FIELDS IN LAPAROSCOPIC HEPATECTOMY.**  
Kimimasa Sasaki (Japan)

11:10-12:10      **Sponsored Symposium 1**      Room 1 (3F Genji 1)  
**fluorescence-guided MI-hepatectomy**

**Chairs**

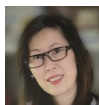


Ho-Seong Han (Republic of Korea)



Daniel Cherqui (France)

**SP1-01**



**TBA**  
Catherine Teh (Philippines)

**SP1-02**



**The utility of indocyanine green fluorescence for minimum invasive hepatectomy**  
Yukiyasu Okamura (Japan)

**SP1-03**

**Indocyanine Green-Guided Laparoscopic Sg7 Segmentectomy for Hepatocellular carcinoma**  
Andrea P. Fontana (Italy)

**SP1-04**



**Laparoscopic anatomic liver resection of segment 7 guided by 3D simulation and ICG fluorescence imaging**

Takeshi Urade (Japan)

Sponsored by OLYMPUS Marketing, Inc.

12:15-13:00

**Luncheon Seminar 1**

Room 1 (3F Genji 1)

**Future Prospective of HPB Surgery with hinotori™**

**Chairs**



Minoru Tanabe (Japan)



Fabrizio Di Benedetto (Italy)

**LS1-01**



**Hinotori will change the future of Robotic Surgery**

Shuji Takiguchi (Japan)

**LS1-02**



**Hinotori-assisted hepatectomy**

Takamichi Ishii (Japan)

**LS1-03**



**Experience with hinotori™ liver resection**

Takeshi Takahara (Japan)

Sponsored by Medicaroid Corporation

13:10-14:10

**Sponsored Symposium 2**

Room 1 (3F Genji 1)

**Precision Hepatectomy with ICG Fluorescence**

**Chairs**



Ji Hoon Kim (South Korea)



Rawisak Chanwat (Thailand)

**Commentator**



Tan To Cheung (Hong Kong)

**SP2-01**



**ICG fluorescence is essential for safe and secure MI  
hepatectomy**

Etsuro Hatano (Japan)

**SP2-02**



**Laparoscopic Anatomic Liver Resection Based on Portal  
Territory for Hepatocellular Carcinoma**

Yajin Chen (China)

**SP2-03**



**Advanced techniques in complex liver surgery using New  
Stryker 1788 ICG videoscope system**

Yuta Abe (Japan)

**SP2-04**



**ICG guided precision liver surgery**

Claudius Conrad (USA)

Sponsored by Stryker Japan K.K.

14:10-15:10

**Sponsored Symposium 3**

Room 1 (3F Genji 1)

**Laparoscopic waterjet method and robotic clamp-crush method with VIO 3**

**Chairs**



Ho-Seong Han (Republic of Korea)



Daisuke Ban (Japan)

**SP3-01**



**Laparoscopic waterjet method and robotic clamp-crush method with VIO 3**

Susumu Eguchi (Japan)

**SP3-02**



**Robotic hepatectomy: our principal procedure and clamp-crush method towards exposing vessels with waterjet**

Shogo Kobayashi (Japan)

**SP3-03**



**Technological advancements for safer Liver resections**

Nagesh N.S. Gowda (India)

**SP3-04**



**Totally laparoscopic segmentectomy 1 for colorectal liver metastasis in paracaval portion**

Mikhail Efanov (Russian Federation)

Sponsored by Amco Inc.

15:20-16:20

**Experts' Lecture 1**

Room 1 (3F Genji 1)

**Chairs**



Alice Wei (USA)








Lianxin Liu (China)

**EX1-01**



**Feasibility of hilar tumor excision through anterior hepatectomy video lecture**

Chinnusamy Palanivelu (India)

- EX1-02**  **Robotic versus laparoscopic hepatectomy for liver malignancies (ROC’N’ROLL): a single-centre, randomised, controlled, single-blinded clinical trial**  
Nuh Rahbari (Germany)
- EX1-03**  **Integration of Precision Anatomy concepts facilitates surgery in complex scenarios: anatomical left-medial seccionectomy with Laennec’s capsule glissonian-approach/major veins & ICG-guidance**  
Fernando Rotellar (Spain)
- EX1-04**  **Donor Safety and Risk Factors of Pure Laparoscopic Living Donor Right Hepatectomy**  
Ki-Hun Kim (Republic of Korea)
- EX1-05**  **The other side of ICG in MILS**  
Santiago López Ben (Spain)
- EX1-06**  **Indocyanine Green 4k Laparoscopic Re-do Surgery For Incidental T2a Gallbladder Cancer**  
Alessandro Anselmo (Italy)

16:30-17:33 **Mini Oral 13** Room 1 (3F Genji 1)  
**Parenchymal Dissection in MILR 3**

**Chairs** Dieter Broering (Saudi Arabia), Hiroaki Nagano (Japan)

**M013-01** **Laparoscopic Right Hepatectomy: Addressing the Challenges of a Prominent Inferior Right Hepatic Vein**

Belen Rivera (Chile)

**M013-02** **Robotic right hepatectomy with Roux-en-y hepaticojejunostomy for iCCA infiltrating right biliary duct**

Annarita Libia (Italy)

**M013-03** **Initial Experience with Robotic Liver Caudate Lobectomy: A Three-Case Series Including Extended Left Hepatectomy**

Koji Kitamura (Japan)

- M013-04**    **One-surgeon robotic CUSA parenchymal transection: technical description and initial experience**  
Masahiro Shinoda (Japan)
- M013-05**    **The Gate-first approach in marginal hepatectomy under minimally invasive liver surgery to obtain a surgical margin and preserve remnant liver function**  
Akihiro Tanemura (Japan)
- M013-06**    **Surgical techniques for parenchymal resection and outcomes of robotic liver resection: A single-center experience**  
Akihiko Soyama (Japan)
- M013-07**    **Laparoscopic extended right hepatectomy for giant HCC with right portal vein embolization**  
Hui Yu Tham (Singapore)
- M013-08**    **Laparoscopic Left Hepatectomy and Biliary Reconstruction for Perihilar Cholangiocarcinoma**  
Giammauro Berardi (Italy)

17:45-18:45

**Faculty Lecture**

Room 1 (3F Genji 1)

**Chairs**



Moh'd Abu Hilal (Italy)



Thomas Clark Gamblin (USA)

**FC-01**



**Life and Times of Thomas Earl Starzl, MD, PhD (1926 - 2017)**  
David Geller (USA)

**FC-02**






**Revolutionizing Organ Transplantation with Robotic Surger**  
Dieter Broering (Saudi Arabia)

**FC-03**



**TBA**  
Adeel Kahn (USA)



- FC-04**  **Robotic Liver Transplantation**  
Fabrizio Di Benedetto (Italy)
- FC-05**  **Acquiring proficiency in ROBOTIC bilio-vascular reconstructions in advanced HPB SURGERY: a stepwise approach**  
Umberto Cillo (Italy)
- FC-06**  **Current evidence for robotic and laparoscopic liver resections: evidence from the international robotic and laparoscopic liver resection study group**  
Brian Goh Kim Poh (Singapore)

**9:00-9:35 Mini Oral 2 Room 2 (3F Eiga)**  
**Near-miss/Trouble shooting in RLR**

**Chairs** Alice Wei (USA), Taizo Hibi (Japan)

**M02-01 Troubleshooting for intraoperative bleeding in robotic liver resection**  
Yusuke Uemoto (Japan)

**M02-03 Robotic Liver Resection in Morbidly Obese Patients: Segment 4b and 5 Resection**  
Osamu Yoshino (Australia)

**M02-05 Initial experience and outcomes with robotic liver resection.**  
Yu Saito (Japan)

**10:10-10:59 Mini Oral 3 Room 2 (3F Eiga)**  
**Teaching and Training in RLR 1**

**Chairs** Yusuke Ome (Japan), Andrea Benedetti Cacciaguerra (Italy)

**M03-01 Treatment Outcomes of Laparoscopic Partial Hepatectomy with Focus on Difficulty Scoring System**  
Yohey Tabe (Japan)

**M03-02 Robotic liver resection ensuring safety and efficacy performed by young surgeons**  
Tokuyuki Yamashita (Japan)



- M03-03**      **Safety and Feasibility of Robotic Lymph Nodes Dissection of The Liver Hilum**  
Ahmad Mahamid (Israel)
- M03-04**      **Education of robotic hepatectomy in our department**  
Tomokatsu Kato (Japan)
- M03-05**      **"Creating a Cape": A Fundamental Approach to Hepatic Parenchymal Transection**  
Hisashi Ikoma (Japan)

11:10-11:59      **Mini Oral 5**      Room 2 (3F Eiga)  
**Other 1**

- Chairs**      Kenichiro Araki (Japan), Keiichi Okano (Japan)
- M05-01**      **The Transition from Established Laparoscopic Liver Resection to Initiating a Robotic Approach: Evaluation of the Learning and Adoption Process.**  
Mushan Shih (Taiwan)
- M05-02**      **Laparoscopic Left Hemi-Hepatectomy By The Arantius-First Approach Following Y90 Radioembolization And Immunotherapy In A Cirrhotic Patient**  
Eduardo A. Vega (USA)
- M05-03**      **Surgical Techniques and Outcomes of Robotic Anatomical Liver Resection for Segment 1**  
Keisuke Nonoyama (Japan)
- M05-04**      **One Thousand Laparoscopic Liver Resection -Single Center Experience-**  
Masashi Kudo (Japan)
- M05-05**      **The Utility of Combined ICG Fluorescence and Radiographic Transgallbladder Cholangiography**  
Yosuke Uematsu (Japan)

**M05-06**      **Short-term surgical outcomes of laparoscopic anatomical liver resection**

Naokazu Chiba (Japan)

**M05-07**      **Efficacy of Robotic-Assisted Glissonean Pedicle Isolation in Anatomical Liver Resections**

Hiromichi Murase (Japan)

13:10-14:06

**Mini Oral 7**  
**Parenchymal Dissection in MILR 1**

Room 2 (3F Eiga)

**Chairs**

Gi Hong Choi (Republic of Korea), Yuji Soejima (Japan)

**M07-01**      **Comparison Of The Outcomes Between Minor Anatomical And Non-Anatomical Liver Resection For Single Colorectal Liver Metastases**

Antonio Benedetti (Italy)

**M07-02**      **Long-Term Outcomes of Initial Liver Resection for Colorectal Liver Metastases**

Hideaki Iwama (Japan)

**M07-03**      **Application of Left-Sided Approach in Laparoscopic Anatomical Liver Resection**

Ji Sun (China)

**M07-04**      **Laparoscopic liver resection of segment 8 using intercostal trocars**

Yusuke Ome (Japan)

**M07-05**      **Prospective cohort of laparoscopic microwave hepatic partitions in modified ALPPS (LAPS): a comparative study with propensity score matching with ALPPS Italian registry**

Alessandro Furlanetto (Italy)

**M07-06**      **Laparoscopic left hepatectomy tracing the clear boundaries of the liver parenchyma guided by indocyanine green**

Yusuke Nie (Japan)

**M07-07**      **Intrahepatic Glissonean Pedicle Approach for Laparoscopic Anatomical Segment 7 Resection with ICG Guidance in a Caudal to Cranial Direction**

Justin Chan (Hong Kong)

**M07-08**      **Laparoscopic Extended Left Hemihepatectomy with Spiegel lobectomy**

Jun Muto (Japan)

14:10-15:06

**Mini Oral 9**

Room 2 (3F Eiga)

**Simulation/IR navigation for Education & RLR and Gender**

**Chairs**

Shugo Mizuno (Japan), Yoichi Kawano (Japan)

**M09-01**      **Development of an Educational System for Laparoscopic Liver Resection With a Visual Assistance AI for Young Surgeon and Medical Students**

Kodai Tomioka (Japan)

**M09-02**      **Evaluation of Ventral Branches of Segment VI Portal Vein Relative to RHV in Laparoscopic Right Anterior Sectionectomy and Right Posterior Sectionectomy**

Yusuke Yamamoto (Japan)

**M09-03**      **Efficacy of laparoscopic liver resection with near-infrared fluorescence imaging for cirrhosis**

Yukari Shinohara (Japan)

**M09-04**      **Innovations in Technique for Laparoscopic Subsegmental Resection of Liver S8**

Naoya Sato (Japan)

**M09-05**      **Laparoscopic Right Anterior Inferior Segmentectomy In A Patient With Congenital Absence Of The Portal Vein: Intrahepatic Artery Guided Resection**

Takumi Kitahama (Japan)

**M09-06**      **Robotic precision surgery in advanced IHCC: Exploring Robotic Left hepatectomy with lymphadenectomy**

Kwan Woo Kim (Republic of Korea)

**M09-07 Gender-related Outcomes After Robotic Liver Resection**

Kristian Schaumburg Kiim (Denmark)

15:20-16:20

**Mini Oral 11**

Room 2 (3F Eiga)

**Parenchymal Dissection in MILR 2**

Chairs

Masahiro Shinoda (Japan), Roberto Ivan Troisi (Italy)

**M011-01**

**Laparoscopic right anterior or posterior sectionectomy for hepatocellular carcinoma : surgical outcomes based on surgeon's learning curve**

Su hyeong Park (Republic of Korea)

**M011-02**

**Post-hepatectomy Outcomes of Spontaneous Ruptured Hepatocellular Carcinoma**

Tsz Hin Lo (Hong Kong)

**M011-04**

**Parenchyma dissection, diamond technique. Laparoscopic segmentectomy of liver segments 7 and 8 with underlying hepatic cirrhosis.**

Maria Ekimova (Russian Federation)

**M011-05**

**Laparoscopic Hepatectomy For Klatskin type IIIB Tumor Using Harmonic Scalpel**

Thanh Nhu Dang (Viet Nam)

**M011-06**

**Retroperitoneal Approached Endoscopic Partial Hepatectomy for Remnant Liver Recurrence After Right Hepatectomy accompanied by Biliary Tract Reconstruction: a case report**

Hiroki Aoyama (Japan)

**M011-07**

**Paradoxical carbon dioxide embolism through an iatrogenic atrial septal defect after catheter ablation for atrial fibrillation**

Hiroki Teraoku (Japan)

**M011-08**

**Low Pressure Insufflation in Totally robotic liver surgery using the Robotic Harmonic curved shears**

Takashi Hamada (Japan)

**M011-09**    **Non-Stick Liver Parenchymal Transection With Saline-Linked Bipolar Clamp-Crush Technique in Robotic Left Hepatectomy**  
Masatoshi Kajiwara (Japan)

**16:30-17:26**    **Mini Oral 14**    **Room 2 (3F Eiga)**  
**RLR in Low Income Countries**

**Chairs**    Catherine Teh (Philippines), Akishige Kanazawa (Japan)

**M014-01**    **Health Economics Study of Robots and Laparoscopy liver resection for Hepatocellular Carcinoma**  
Junhao Zheng (China)

**M014-02**    **Standardized Comparison Of Open Surgery Versus Laparoscopy In Patients Undergoing Hepatectomy Through Textbook Outcome**  
Juanita Del Pilar Gonzalez (Colombia)

**M014-03**    **Robotic S8 Segmentectomy in Patient with Bulging HCC at S8**  
Natwutpong Leeratanakachorn (Thailand)

**M014-06**    **Pure Laparoscopic Liver Resection for Cavernous Hepatic Haemangioma at M Djamil Hospital, West Sumatera, Indonesia**  
Handyka Milfiadi (Indonesia)

**M014-07**    **Pure Laparoscopic Liver Resection for Liver Metastasis Ovarian Cancer at M Djamil Hospital, West Sumatera, Indonesia: A CASE REPORT**  
Masatommi Mohammad (Indonesia)

**9:00-9:15**    **Satellite Seminar 1**    **Special Stage (3F Genji 2)**  
**Probiotics and prebiotics in HPB surgery**

**Chair**



Mitsuo Shimada (Japan)

**SA1-1**



**Liver surgery and gut microbiota**  
Shintaro Yagi (Japan)

Sponsored by Miyarisan Pharmaceutical Co., Ltd.

9:15-9:30

**Satellite Seminar 2**

Special Stage (3F Genji 2)

NIR/ICG exoscope: a bridge between minimally-invasive hepatobiliary surgery and complicated procedures by open approach

Chair



Giammauro Berardi (Italy)

SA2-1



Takeaki Ishizawa (Japan)

Sponsored by KARL STORZ ENDOSCOPY JAPAN K.K.

9:30-9:45

**Satellite Seminar 3**

Special Stage (3F Genji 2)

Laparoscopic Ultrasound for Precisely Guiding Laparoscopic Hepatectomy

Chair



Umberto Cillo (Italy)

SA3-1



Satoshi Ogiso (Japan)

Sponsored by CANON MEDICAL SYSTEMS CORPORATION

9:45-10:00

**Satellite Seminar 4**

Special Stage (3F Genji 2)

Intraoperative ultrasound for minimally invasive liver surgery

Chair



Yuichiro Otsuka (Japan)

SA4-1



Alessandro Ferrero (Italy)

Sponsored by GE Healthcare Japan

10:10-11:06

**Mini Oral 4**

Special Stage (3F Genji 2)

**New and Allied Technologies in MILS 1**

**Chairs**

Nuh Rahbari (Germany), Atsushi Nanashima (Japan)

**M04-01**

**New Sub-Segmental Classification of S4 Based on the Portal Vein Basin and Its Application in Laparoscopic Parenchyma-Preserving Liver Resection**

Xiang Lan (China)

**M04-02**

**Open versus laparoscopic oncologic extended resection for gallbladder cancer after index cholecystectomy: international multicenter comparative study**

Łukasz Masior (Poland)

**M04-04**

**Patient-Specific Volumetric Reconstruction from Intraoperative Laparoscopic Video and Ultrasound for Liver Surgery**

Luca Boretto (Norway)

**M04-05**

**Conversion Laparoscopic Hepatic Caudate Lobectomy Following Durvalumab Plus Gemcitabine And Cisplatin In Advance Intrahepatic Cholangiocarcinoma**

Tana Siqin (China)

**M04-07**

**Surgical Mastery as a Pillar for both Short- and Long-term Outcomes in Liver Surgery: A Textbook Outcome-Based Multicenter International Cohort Study**

Dorine Klei (Italy)

**M04-08**

**Investigation of reduced port hepatectomy using Da vinci SP and future possibilities**

Masayuki Kojima (Japan)



**11:10-11:52 Mini Oral 6** **Special Stage (3F Genji 2)**  
**State-of-the-Art Ablation Technique**

**Chairs** Åsmund Avdem Fretland (Norway), Junichi Arita (Japan)

**M06-01 Laparoscopic Anatomical Ventral Segment 8 Resection for Hepatocellular Carcinoma**

Yunfeng Li (China)

**M06-02 The value of ablation therapy combined with surgical resection for neuroendocrine liver metastasis**

Masahiro Yamane (Japan)

**M06-03 Robotic Verse Laparoscopic Hepatectomy And Biliary Reconstruction For Hilar Cholangiocarcinoma: Case Control Study**

Zhiheng Zhang (China)

**M06-04 Application Study of Laparoscopic Ultrasound-guided Microwave Ablation in the Treatment of Benign Tumors in Special Areas of the Liver**

Xinyun Chu (China)

**M06-05 Transcatheter Arterial Chemo-Embolization Followed by Microwave Ablation-A Successful Treatment for Hepatocellular Carcinoma in Percutaneous Difficult to Approach Area (Segment IVa, VII, VIII)**

Valerie Chan (Taiwan)

**13:10-14:06 Mini Oral 8** **Special Stage (3F Genji 2)**  
**New and Allied Technologies in MILS 2**

**Chairs** Hop S. Tran Cao (USA), Yutaro Kato (Japan)

**M08-01 Comparison of Postoperative Outcomes in Totally Robotic versus Open Hepatectomy – A Multicenter North American Trial**

Caroline J Simon (USA)

**M08-02 Laparoscopic left hemihepatectomy and choledochal cyst excision with choledochojejunostomy using Articulating instruments**

Seoung yoon Rho (Republic of Korea)

- M08-05**      **Laparoscopic Right Hepatectomy Extended To Paracaval Portion Of Segment 1 For Large HCC Post-Radioembolization. A Technical Challenge But Oncologically Worth it.**  
Andrea Pierluigi Fontana (Italy)
- M08-06**      **Initial Experience with Single Port Robotic Liver Resection using the da Vinci SP System: A Case Series**  
Kwangpyo Hong (Republic of Korea)
- M08-07**      **Nobel real-time color-coded navigation using artificial intelligence in laparoscopic liver surgery**  
Yoshihiko Tashiro (Japan)

14:10-15:06      **Mini Oral 10**      Special Stage (3F Genji 2)  
**Applications of Fluorescence Surgery 2**

- Chairs**      Jason Hawksworth (USA), Toru Ikegami (Japan)
- M010-01**      **The Promise of ICG-Fluorescence Guidance (I-FIGS) in Achieving Clear Resection Margins – A Pioneering Feasibility Randomized Controlled Study**  
Rahi Karmarkar (United Kingdom)
- M010-02**      **Robotic Segment 6 Subsegmentectomy with ICG Guidance for HCC in Cirrhotic Liver**  
Taiga Wakabayashi (Japan)
- M010-03**      **Does indocyanin green fluorescence navigation improve the surgical outcome of laparoscopic liver resection using the “chicken claw” technique?**  
Takuya Minagawa (Japan)
- M010-04**      **Cranial-Dorsal Approach to Right Hepatectomy with Partial Middle Hepatic Vein Resection under Indocyanine Green Guidance for Giant Hepato-Cellular Carcinoma**  
Suet Yan Ong (Singapore)
- M010-05**      **Fluorescent Laparoscopic S4+S8v+S5v Hepatectomy**  
Jinxing Wei (China)

**M010-06**     **Roles of near-infrared fluorescence cholangiography in robot-assisted major hepatectomy**  
Masahiko Kinoshita (Japan)

**M010-07**     **ICG Fluorescence Positive Staining in Laparoscopic Anatomical Liver Segment VIII Resection**  
Ji-Zhou Wang (China)

15:20-16:20     **Mini Oral 12**     Special Stage (3F Genji 2)  
**Trials on Simulation/IR Navigation and MILS (including Ablation) & New and Allied Technologies in MILS**

**Chairs**     Michiaki Unno (Japan), Shigeru Marubashi (Japan)

**M012-01**     **Mid- to long-term outcomes of laparoscopic ultrasound-guided radiofrequency ablation in treating malignant hepatic tumors**  
Chan-Wei Tseng (Taiwan)

**M012-02**     **Quantification of hemi-hepatic ischemia using real-time Single Snapshot Imaging of Optical Properties (SSOP)**  
Kohei Mishima (Japan)

**M012-04**     **3rd Repeat Lap Liver Resection & LN Resection between Adhesions with Simulation & Navigation**  
Zenichi Morise (Japan)

**M012-05**     **Laparoscopic right hepatectomy for a huge hepatocellular carcinoma after chemotherapy: a case report**  
Kentaro Tachi (Japan)

**M012-06**     **Short-term outcomes of laparoscopic versus open liver resection in our center: A propensity score-matched analysis**  
Junji Iwasaki (Japan)

**M012-07**     **Laparoscopic Stage 1 ALPPS, Single Center Experience**  
Chee Chien Yong (Taiwan)

**16:30-16:45**     **Satellite Seminar 5**     **Special Stage (3F Genji 2)**  
**Aiming to establish a safe and precise, minimally invasive liver resection: ~Combining laparoscopic and robotic surgery~**

**Chair**



Tomoharu Yoshizumi (Japan)

**SA5-1**



Mamoru Morimoto (Japan)

**Sponsored by Johnson & Johnson K.K. Medical Company**

**16:45-17:00**     **Satellite Seminar 6**     **Special Stage (3F Genji 2)**  
**Laparoscopic Liver Resection – challenging the limitations**

**Chair**



Atsushi Sugioka (Japan)

**SA6-1**



Kuo-Hsin Chen (Taiwan)

**Sponsored by Johnson & Johnson K.K. Medical Company**

**17:00-17:15**     **Satellite Seminar 7**     **Special Stage (3F Genji 2)**  
**Applying 3D Image to MIS for Liver Resection**

**Chair**



Hiroyuki Nitta (Japan)

**SA7-1**



Iswanto Sucandy (USA)

**Sponsored by FUJIFILM Corporation**

Day 2, Oct 2nd (Wed)

8:00-9:00

**Next Generations' Session**

Room 1 (3F Genji 1)

Chairs



Hitoe Nishino (Japan)



Ruben Ciria (Spain)

**NX-01**



**Anticipating the risk of post-hepatectomy portal hypertension using a digital twin**

Nicolas Golse (France)

**NX-02**



**Complexity of mini-invasive liver resection in the era of robotic surgery: should classifications be modified?**

François Cauchy (France)

**NX-03**



**Assessing the Carbon Footprint of Minimally Invasive Liver Surgery**

Manuel Durán-Martinez (Spain)

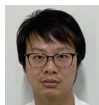
**NX-04**



**Laparoscopic donor left lateral sectionectomy: Modified Glissonean pedicle approach**

Yasushi Hasegawa (Japan)

**NX-05**



**Expanding Minimally Invasive Surgery for Biliary Malignancies in the Liver: Future Perspectives from a Narrative Review**

Tomoaki Yoh (Japan)

9:05-10:08

**Mini Oral 17**

Room 1 (3F Genji 1)

**Parenchymal Dissection in MILR 4**

Chairs

Felice Giuliani (Italy), Zenichi Morise (Japan)

**M017-01**

**Laparoscopic Total Isolated Caudate Lobe Resection**

Wei Yuan Tey (Singapore)



- M017-02**     **LAPAROSCOPIC LEFT HEPATECTOMY - EXPERIENCE OF A YOUNG SURGEON**  
Ngoc Anh Nguyen (Viet Nam)
- M017-03**     **Segment IV segmentectomy with ICG negatives staining and Glissonnean appraoch**  
Lee Ho Yin Henry (Hong Kong)
- M017-04**     **Surgical results of standardized minimally invasive anatomical liver resection**  
Hisamune Sakai (Japan)
- M017-05**     **Initial Outcomes and Insights of Robotic-Assisted Hepatectomy Using da Vinci Xi**  
Akihisa Nagatsu (Japan)
- M017-06**     **Left hepatectomy for a segment IVb mucinous cystic neoplasm in situ**  
Yu Chuan Tan (Singapore)
- M017-07**     **Laparoscopic left lateral sectionectomy for ruptured hepatocellular carcinoma with ultrasonic energy device in patient with cirrhotic liver**  
Seung Jae Lee (Republic of Korea)
- M017-08**     **Combination liver resection method using CUSA and Clamp crushing method**  
Yoichi Kawano (Japan)
- M017-09**     **Benefits of robotic hepatectomy**  
Saiho Ko (Japan)

10:30-11:30 **Sponsored Symposium 4** Room 1 (3F Genji 1)  
**Robotic HPB Surgery -Two-surgeon Technique-**

Chairs



Hop S. Tran Cao (USA)



Yuzo Umeda (Japan)

Commentator



Ruben Ciria (Spain)

**SP4-01**



**TBA**  
 Francesca Ratti (Italy)

**SP4-02**



**Enhancing Robotic Liver Parenchymal Transection: The Efficacy of Dual-Surgeon Techniques with CUSA and Ligasure**  
 Taiga Wakabayashi (Japan)

**SP4-03**



**Robotic Right Hepatectomy extended to Sg1 with biliary resection and reconstruction for Peri-hilar Cholangiocarcinoma**  
 Simone Conci (Italy)

**SP4-04**



**Hepatic parenchymal transection along middle hepatic vein by Cranial Ventral Approach in Robotic liver resection**  
 Taku Iida (Japan)

Sponsored by Covidien Japan Inc.

11:45-12:30

**Luncheon Seminar 2**

Room 1 (3F Genji 1)

**Cutting edge of robotic liver surgery**

**Chairs**



Gi Hong Choi (Republic of Korea)



Erin Baker (USA)

**LS2-01**



**Robotic Complex Hepatobiliary Resection and Future Liver Transplantation. Cutting Edge of Robotic Liver Surgery**

Iswanto Sucandy (USA)

**LS2-02**



**Da Vinci single-port robotic liver resections**

Go Wakabayashi (Japan)

**LS2-03**



**Current status robotic living donor hepatectomy North America**

Yee Lee Cheah (USA)

Sponsored by Intuitive Surgical G.K.

12:45-13:35

**Experts' Lecture 2**

Room 1 (3F Genji 1)

**Chairs**



Felice Giuliani (Italy)



Alexandre Prado de Resende (Brazil)

**EX2-01**



**How to adopt a new robotic system: The preliminary experience of HUGO RAS system.**

Charles Chungwei Lin (Taiwan)




**EX2-02**



**Minimally invasive surgery for biliary tumors: limits and strenghts**

Francesca Ratti (Italy)



- EX2-03**  **the place of robotic-assisted approach from the laparoscopist point of view**  
 Claire Goumard (France)
- EX2-04**  **EARLY EXPERIENCE WITH PEDIATRIC ROBOTIC HEPATECTOMY AT A NORTH AMERICAN TRANSPLANT CENTER**  
 Jason Hawksworth (USA)
- EX2-05**  **Minimally invasive liver resection as a redo surgery performing with simulation/navigation and novel Japanese hinotori™ surgical robot system**  
 Zenichi Morise (Japan)

**14:10-15:10 Best Oral Session Room 1 (3F Genji 1)**

- Chairs** Ho-Seong Han (Republic of Korea), Itaru Endo (Japan)
- B0-01** **Robotic versus Laparoscopic Liver Resection: A Nationwide Propensity Score Matched Analysis**  
 Gabriela Pilz da Cunha (Netherlands)
- B0-02** **A Decade of Experience of 530 Minimally Invasive Robotic Hepatectomy from a Single Tertiary Hepatobiliary Center - Oral Presentation**  
 Emanuel Afram Shapera (USA)
- B0-03** **Comparative Effectiveness of Radiofrequency Ablation vs. Laparoscopic Liver Resection in the Management of Solitary Hepatocellular Carcinoma: A Tumor Location-Based analysis**  
 Boram Lee (Republic of Korea)
- B0-04** **Defining Complexity Of Liver Resection And Number Of Experiences For Overcoming Learning Curves As Graduated Autonomy In Minimally Invasive Liver Resection**  
 Yoshikuni Kawaguchi (Japan)

**B0-05**      **Minimally Invasive Liver Resection Versus Open Liver Resection For Intrahepatic Cholangiocarcinoma: An International Multicenter Propensity Score-Matched Study**  
Soufyan El Adel (Italy)

**15:15-16:15**      **Best Video Session**      **Room 1 (3F Genji 1)**

**Chairs**      Daniel Cherqui (France), Kiyoshi Hasegawa (Japan)

**BV-01**      **Full robotic whole liver transplantation**  
Paolo Magistri (Italy)

**BV-02**      **Tailor-made minimally invasive liver surgery using ICG positive staining in hepatic S7 subsegmentectomy**  
Nobuyuki Nishizawa (Japan)

**BV-03**      **Robotic Donor Right Hepatectomy With Aberrant Anatomy**  
Amar Gupta (USA)

**BV-04**      **Robotic Deceased Donor Liver Transplant (Video)**  
Angela Hill (USA)

**BV-05**      **Experience of laparoscopic subsegmentectomy of S8 using a cranioventral approach with ICG overlay image.**  
Kaichiro Kato (Japan)

**BV-06**      **Robotic extended cholecystectomy with right hepatic artery ligation without reconstruction and pancreatoduodenectomy for locally advanced gallbladder cancer**  
Kalayarasan Raja (India)

**8:00-8:49**      **Mini Oral 15**      **Room 2 (3F Eiga)**  
**New and Allied Technologies in MILS 3**

**Chairs**      Fernando Rotellar (Spain), Naoto Gotohda (Japan)

**M015-01**      **Robotic caudate lobe resection: Left-side hybrid method**  
Yukihiro Okuda (Japan)

- M015-02**    **Opportunities and Challenges of Minimally Invasive Liver Surgery in Low- and Middle-Income Countries**  
Nadyatul Husna (Indonesia)
- M015-03**    **Assessment and Predictors of Textbook Outcome Achievement in Laparoscopic Hepatectomy in Patients with Hepatocellular Carcinoma: Relationship with Difficulty Score**  
JaeHwan Jeong (Republic of Korea)
- M015-05**    **Usefulness of adhesion barrier in laparoscopic hepatectomy after primary surgery**  
Shodai Nagaishi (Japan)
- M015-06**    **Optimizing Pure Laparoscopic Explant Hepatectomy in Liver Transplant Recipients**  
Youngrok Choi (Republic of Korea)

**9:05-10:01    Mini Oral 18    Room 2 (3F Eiga)**  
**MI-Donor Hepatectomy**

**Chairs**    Lianxin Liu (China), Yasutsugu Takada (Japan)

- M018-01**    **Robotic Donor Hepatectomy: Within The Safety Net And Moving To The Forefront.**  
Binoj Sivasankara Pillai Thankamony Amma (India)
- M018-02**    **Robotic Donor Hepatectomy, Large Right Lobe With Complex Anatomy**  
Juan P Rocca (USA)
- M018-03**    **Robotic donor right hepatectomy using a Dual-Energy Device – A Surgical Video Clip**  
Na Reum Kim (Republic of Korea)
- M018-04**    **Preparation for Robotic donor hepatectomy In Japan, where MIS is not still introduced for donor hepatectomy**  
Yoshihiro Hirata (Japan)
- M018-05**    **Laparoscopic living donor left lateral sectionectomy in Japan**  
Shinji Itoh (Japan)



**M018-06 Standardized retracting techniques for laparoscopic living Donor Hepatectomy**

Seok Jeong Yang (Republic of Korea)

10:30-11:26

**Mini Oral 19  
Teaching and Training in RLR 2**

Room 2 (3F Eiga)

Chairs

Takumi Fukumoto (Japan), Keiichi Akahoshi (Japan)

**M019-01 Outcomes of Robotic Versus Open Hepatectomy for Large Hepatocellular Carcinoma: A large volume center, propensity score matched study**

Weimin Mao (China)

**M019-03 Fusion of experience of robotic surgery from Japan and Taiwan to specialize robotic liver surgery**

Yutaka Nakano (Japan)

**M019-04 Impact of Saline-Linked Cautery (SLiC) Method for Robotic Liver Resection on Education of Surgeons in Training**

Takahisa Fujikawa (Japan)

**M019-05 From Autonomous Training To Formalisation Of Initial Training In Robotic Liver Surgery: The Example Of An Occidental University Hospital**

Guillaume Millet (France)

**M019-06 Robotic Hepatic Artery Infusion Pump Placement**

Alice Wei (USA)

**M019-07 Impact of Robotic Approach in Minimally-Invasive Liver Resection**

Motokazu Sugimoto (Japan)

**M019-08 A case of FNH-like lesion mimicking CRLM resected by robotic surgery**

Takatsugu Matsumoto (Japan)

**12:45-13:48 Mini Oral 21 Room 2 (3F Eiga)**  
**Parenchymal Dissection in MILR 6**

**Chairs** Shigeyuki Kawachi (Japan), Erin Baker (USA)

**M021-01 Robotic liver parenchymal transection with saline-dripping bipolar clamp-crush method**

Yuhei Hamaguchi (Japan)

**M021-02 Totally Robotic ALPPS**

Yee Lee Cheah (USA)

**M021-04 Trac and Pac Method: a Novel Procedure for Parenchymal Dissection in Robotic Hepatectomy**

Keita Sonoda (Japan)

**M021-05 Hepatic Angiosarcoma Presenting As a Rare Cause of Abdominal Pain, Anemia, And Haemoperitoneum: a Case Report**

Muhammad Naeem (Pakistan)

**M021-06 A case report of pure laparoscopic hepatectomy for Fontan procedure-related liver cancer.**

Shinichiro Yamada (Japan)

**M021-07 Standardized Laparoscopic Left Hepatectomy in Our Institute**

Hiroyuki Takahashi (Japan)

**M021-08 A case of right adrenal gland injury noticed after specimen removal in laparoscopic S8 subsegmentectomy**

Ken Fukumitsu (Japan)

**14:10-15:02 Mini Oral 23 Room 2 (3F Eiga)**  
**Other 2**

**Chairs** Toru Hisaka (Japan), Takuya Minagawa (Japan)

**M023-01 Laparoscopic liver resection technique without hepatic ischemia**

Nobuhiro Harada (Japan)

**M023-02 Laparoscopic hepatectomy with Indocyanine green fluorescence for intraductal papillary neoplasm of bile duct: A Case Report**

Rei Okada (Japan)

**M023-03 START AND EVOLUTION OF LIVER SURGERY IN A LOW VOLUME CENTER**

Tatiana Belda (Spain)

**M023-04 A successful outcome of laparoscopic liver resection guided by indocyanine green fluorescence imaging in a patient with focal nodal hyperplasia**

Yu Matsumoto (Japan)

**15:15-16:11 Mini Oral 25 Room 2 (3F Eiga)**  
**New and Allied Technologies in MILS 4**

**Chairs** Hiroyuki Takamura (Japan), Santiago López Ben (Spain)

**M025-01 Robot-Assisted Repeat Liver Resection In A Patient With Situs Inversus Totalis: The Sky Is The Limit**

Federico Gaudenzi (Italy)

**M025-03 Laparoscopic Hepatectomy of Segment 8 for a large HCC ~ Usefulness of Stratafix® in securing a stable surgical field ~**

Toyonari Kubota (Japan)

**M025-04 Introduction And Results Of Laparoscopic Hepatectomy At Japan's Northernmost General Hospital**

Hiroki Nakamoto (Japan)

**M025-05 Early outcomes of single port robotic left lateral sectionectomy using da Vinci SP platform**

Wan Joon Kim (Republic of Korea)

8:00-8:56 **Mini Oral 16** Special Stage (3F Genji 2)  
**Applications of Fluorescence Surgery 3**

**Chairs** Masayuki Ohtsuka (Japan), Satoru Seo (Japan)

**M016-02** **Standardisation of laparoscopic left hepatic lobectomy using ICG Negative staining.**

Yoshiki Fujiyama (Japan)

**M016-03** **Usefulness of minimally invasive anatomical resection of segment 7/8 with ICG negative staining method and intrahepatic Glissonean approach**

Kenichiro Araki (Japan)

**M016-04** **Prodigious Assistance Of Indocyanine Green Fluorescence During Minimally Invasive Liver Resection of Segment 7**

Prabir Maharjan (Nepal)

**M016-05** **Laparoscopic hemi-hepatectomy using ICG fluorescence biliary tract navigation**

Atsuro Fujinaga (Japan)

**M016-07** **Indocyanine green guided laparoscopic hepatic lymphatic drainage tracer technique for radical surgery of intrahepatic cholangiocarcinoma**

Xing-Ru Wang (China)

**M016-08** **Introduction of Real-Time Indocyanine Green Fluorescence Cholangiography Guidance for Robotic Major Liver Resection in a Scandinavian High Volume HPB Center**

Christoph Tschuor (Denmark)

9:05-9:35

**Satellite Seminar 8**  
**CUSA in MI-hepatectomy**

Special Stage (3F Genji 2)

**Chairs**



Adnan Alseidi (USA)



Goro Honda (Japan)

**SA8-1**



**My concept of robotic resection with CUSA**

Roberto Ivan Troisi (Italy)

**SA8-2**



**One-surgeon CUSA parenchymal transection in MI  
hepatectomy using Chicken Claw Technique**

Osamu Itano (Japan)

Sponsored by Integra LifeSciences

9:35-9:50

**Satellite Seminar 9**  
**Perceptions and Realities of quality in Liver Ablation**

Special Stage (3F Genji 2)

**Chair**



Andrea Benedetti Cacciaguerra (Italy)

**SA9-1**



Amilcar Alzaga (Germany)

Sponsored by Siemens Healthineers

9:50-10:05

**Satellite Seminar 10**  
**Thermal ablation of liver tumors: What is needed to reach the  
level of resection?**

Special Stage (3F Genji 2)

**Chair**



Eduardo Montalvo-Javé (Mexico)

**SA10-1**



Åsmund Avdem Fretland (Norway)

Sponsored by Siemens Healthineers



10:05-10:20 **Satellite Seminar 11** Special Stage (3F Genji 2)  
**Minimally invasive repeat liver resections and ALPPS for liver malignancies and the use of adhesion barrier**

Chair



Yoshihiro Sakamoto (Japan)

SA11-1



Brian Goh Kim Poh (Singapore)

Sponsored by TERUMO CORPORATION

10:30-11:33 **Mini Oral 20** Special Stage (3F Genji 2)  
**Parenchymal Dissection in MILR 5**

Chairs Yuji Soejima (Japan), Shigeyuki Kawachi (Japan)

**M020-01** **ROBOT-ASSISTED ANATOMICAL SEGMENT V RESECTION IN AN OBESE MASLD CIRRHOSIS PATIENT FOR HCC WITH GLISSONEAN APPROACH, TUMOR AND COUNTERSTAINING ICG FLUORESCENCE**

Roberto Ivan Troisi (Italy)

**M020-02** **8 segmentectomy from Laennec's capsule**

Celia Caula (Spain)

**M020-03** **Laparoscopic Anterior approach for Large hepatocellular carcinoma in right posterior section of liver**

Santhosh Anand (India)

**M020-04** **Difference in survival after hepatectomy for HCC according to the location of the tumor.**

MeeYoung Kang (Republic of Korea)

**M020-05** **Robotic Liver Resection for Liver Tumors: Comparison of Surgical Techniques and Outcomes between Laparoscopic and Robotic Approaches**

Kazuharu Igarashi (Japan)

- M020-06**     **Robotic liver parenchymal dissection without using devices**  
Yoshihiro Mise (Japan)
- M020-07**     **Feasibility Assessment of Robotic Major Hepatectomy and Bile Duct Resection in Klatskin Type IIIB with Concomitant Gallbladder Cancer**  
Eun Jeong Jang (Republic of Korea)
- M020-08**     **Introduction and Standardization of Robot-Assisted Liver Resection**  
Kosuke Kobayashi (Japan)
- M020-09**     **Safe introduction of laparoscopic and robotic hepatectomies in a MIS naïve institution since 2019**  
Yoshihiro Sakamoto (Japan)

12:45-13:41     **Mini Oral 22**     **Special Stage (3F Genji 2)**  
**Applications of Fluorescence Surgery 4**

**Chairs**     Taku Aoki (Japan), Liang Xiao (China)

- M022-01**     **Tumor identification with indocyanine green fluorescence in metastatic liver cancer: Characteristics of patients undergoing preoperative chemotherapy**  
Takahito Hirai (Japan)
- M022-02**     **Preoperative Simulation For Laparoscopic Sg8 subsegmentectomy With Percutaneous ICG Positive Staining**  
Po-Chih Yang (Taiwan)
- M022-03**     **SURGICAL TREATMENT OF ADENOMA LIVER TUMOR BY ROBOTIC APPROACH IN THE ICG ERA: Step-by-step video demonstration.**  
Concepción Gómez-Gavara (Spain)
- M022-04**     **Robot-Assisted Right Hemihepatectomy for Colorectal Liver Metastasis using Vessel Sealer and ICG Guidance**  
Byeong-Gon Na (Republic of Korea)

- M022-05**    **Enhanced Intraoperative Guidance in Minimally Invasive Liver Surgery for Colorectal Liver Metastases through simultaneous IOUS-ICG application**  
 Andrea Benedetti Cacciaguerra (Italy)
- M022-06**    **Indocyanine Green As an Exceptional Method for Assessment of All Stages of Liver Transplant**  
 Malek Abdallah Alomari (Canada)
- M022-07**    **Laparoscopic left hepatectomy by separately Glissonean approach for HCC patients with anatomical anomaly**  
 Masahiro Shiihara (Japan)
- M022-08**    **Application of ICG navigation surgery for extrahepatic metastases from HCC**  
 Nobuyuki Takemura (Japan)

13:45-14:00    **Satellite Seminar 12**    **Special Stage (3F Genji 2)**  
**Multilayered surgical support in minimum invasive liver resection**

Chair



Akio Saiura (Japan)

**SA12-1**



Takeshi Aoki (Japan)

Sponsored by Ziosoft, Inc.

14:10-15:06    **Mini Oral 24**    **Special Stage (3F Genji 2)**  
**Applications of Fluorescence Surgery 5**

Chairs    Mitsuhsa Takatsuki (Japan), Alain Garcia Vazquez (France/Mexico)

- M024-01**    **Application of fluorescence surgery to central bisegmentectomy of the liver**  
 Satoshi Mii (Japan)

- M024-02**     **Detachment along the Intersegmental Plane in Robotic Anatomical Liver Resection using ICG Fluorescent Imaging**  
Ji Hoon Kim (Republic of Korea)
- M024-03**     **Will Indocyanine Green Near-Infrared Fluorescence Cholangiography Alone Suffice For Bile Duct Division During Living Donor Hepatectomy?**  
Atsushi Shimizu (Japan)
- M024-04**     **Laparoscopic anatomical segment 3 liver resection with indocyanine-green negative staining**  
Min Yun Ho (Singapore)
- M024-05**     **Evaluation of the Usefulness of ICG Fluorescence Imaging for Laparoscopic Fenestration for Symptomatic Hepatic Cyst**  
Yusuke Uchida (Japan)
- M024-06**     **The applications of Fluorescence and 3D simulation in Laparoscopic Hepatectomy: A case video sharing**  
Heng-Yuan Hsu (Taiwan)
- M024-07**     **Laparoscopic Resection Of Liver Metastasis From Adenoid Cystic Carcinoma Of The Submaxillary Gland: Fluorescence-Guided Surgery.**  
Luis Miguel Carrillo (Mexico)
- M024-08**     **Laparoscopic Fluorescence Positive Staining Anatomical S7+S8d Hepatectomy for Hepatocellular Carcinoma**  
Jie Chen (China)

15:15-16:11     **Mini Oral 26**     **Special Stage (3F Genji 2)**  
**Applications of Fluorescence Surgery 6**

**Chairs**     Hideki Yokoo (Japan), Jason Hawksworth (USA)

- M026-01**     **Two shades of green. Or...it's always good to have two strings to your bow.**  
Margarida Casellas Robert (Spain)

- M026-03**    **A case of FNH performed with laparoscopic liver resection using ICG fluorescence method**  
Ken Tsuboi (Japan)
- M026-04**    **simultaneous ERCP and laparoscopic cholecystectomy with ICG scope for CBD stone: more benefits than we thought(video presentation)**  
TaChun Chou (Taiwan)
- M026-05**    **Indocyanine green fluorescence imaging for planned R1 vascular resection during laparoscopic left hepatectomy.**  
Matteo Serenari (Italy)
- M026-06**    **Robotic Liver Resection of the HCC below the Hepatic Hilum in Cirrhotic patient Using ICG Fluorescence System**  
Yasuji Seyama (Japan)

## e-Poster & e-Video

### e-Poster 1

#### Applications of Fluorescence Surgery

- EP1-1**      **Advancements in Fluorescence-Guided Surgery for Liver Resection**  
Pavithran Damodaran (India)
- EP1-2**      **Advantages of Indocyanine Green Fluorescence-Guided Laparoscopic Territory Liver Resection: A Single Center's Experience**  
Xaing Lan (China)
- EP1-3**      **Early Insights: Ultra-Low Dose ICG in Monochromatic CSF Mode for Liver Tumour Detection – Does It Really Work?**  
Rahi Karmarkar (United Kingdom)
- EP1-4**      **Application of Indocyanine Green Fluorescence Navigation Technology in Laparoscopic Anatomical Hepatectomy**  
Shuai Yan (China)
- EP1-5**      **Intraoperative Indocyanine Green Fluorescence Imaging to Predict early Hepatic Arterial Complications after Liver Transplantation**  
Muga Terasawa (Japan)

### e-Poster 2

#### MI-Donor Hepatectomy

- EP2-1**      **Donor body mass index over 30, not a barrier for pure laparoscopic donor right hepatectomy**  
Suk Kyun Hong (Republic of Korea)
- EP2-2**      **Transformative Impact of Minimally Invasive Donor Hepatectomy on Liver Transplantation**  
Pavithran Damodaran (India)
- EP2-3**      **Robotic living donor hepatectomy is associated with superior outcomes for both the donor and the recipient compared to laparoscopic or open**  
Dimitri Aristotle Raptis (Saudi Arabia)

**EP2-4 Mesenchymal Stem Cell Therapy for Enhancing Liver Regeneration Post-Hepatectomy**

Nadyatul Husna (Indonesia)

**EP2-5 Laparoscopic donor right hepatectomy after bariatric surgery for morbid obesity**

MeeYoung Kang (Republic of Korea)

**e-Poster 3**

**New and Allied Technologies in MILS**

**EP3-1 A Propensity Score Matched Cost Analysis of Robotic Versus Open Hepatectomy**

Belkacem Acidi (USA)

**EP3-2 New Sub-Segmental Classification of S4 Based on the Portal Vein Basin and Its Application in Laparoscopic Parenchyma-Preserving Liver Resection**

Xaing Lan (China)

**EP3-3 Exploring Cutting-Edge Technologies and Applications in Minimally Invasive Liver Surgery**

Pavithran Damodaran (India)

**EP3-4 Antibiotic Prophylaxis in Emergency Cholecystectomy for Mild to Moderate Acute Cholecystitis: A Systematic Review and Meta-analysis of Randomized Controlled Trials**

Mohamed Hamouda Elkasaby (Egypt)

**EP3-5 A Systematic Review and Meta-Analysis of Robotic versus Laparoscopic Liver Resection**

Gabriela Pilz da Cunha (Netherlands)

**EP3-6 Impact of Emergent and Non-Emergent Conversions on Outcomes of Minimally Invasive Liver Surgery: An International Multicentre Propensity Score Matched Study**

Gabriela Pilz da Cunha (Netherlands)

- EP3-7**      **Impact Of Pringle Manoeuvre On Parenchymal-Preserving Liver Resections In The Posterosuperior Segments: A Propensity Score-Matched Analysis Of The ORANGE-Segments Trial**  
Soufyan El Adel (Italy)
- EP3-8**      **Laparoscopic Versus Robotic Repeat Liver Resection: An International Multicenter Propensity Score-Matched Study**  
Soufyan El Adel (Italy)
- EP3-9**      **Risk Factors and Outcomes of Conversions in Robotic and Laparoscopic Liver Resections: A Nationwide Analysis**  
Gabriela Pilz da Cunha (Netherlands)
- EP3-10**     **Development and validation of a multi-center nomogram to predict the difficulty of minimally invasive liver resection for Hepatocellular carcinoma**  
Junhao Zheng (China)
- EP3-11**     **Anatomical Versus Non-anatomical Liver Resection For Hepatocellular Carcinoma: An International Multicenter Propensity Score-Matched Study**  
Soufyan El Adel (Italy)
- EP3-12**     **The Robot Is Here To Stay: Transition To All-Robotic Minimally Invasive Liver Surgery Expands Case Volume and Complexity**  
Juan P Rocca (USA)
- EP3-13**     **Does Robotic Resection for Perihilar Cholangiocarcinoma Yield Effective Clinical Outcomes? Oral Presentation**  
Emanuel Afram Shapera (USA)
- EP3-14**     **A prospective study on hybrid microwave ablation: merging laparoscopy with CT scan targeting**  
Alessandro Furlanetto (Italy)



**e-Poster 4**

**Parenchymal Dissection in MILR**

**EP4-1**      **Vessel Sealer Is A Safe And Effective Tool For Parenchymotomy: About 170 Consecutive Robotic Liver Resections.**

Guillaume Millet (France)

**EP4-2**      **Precision Parenchymal Dissection Techniques in Minimally Invasive Liver Resection:**

Pavithran Damodaran (India)

**e-Poster 5**

**RLR and Gender**

**EP5-1**      **Bridging the Gender Gap in Robotic Liver Resection: Challenges and Opportunities**

Pavithran Damodaran (India)

**EP5-2**      **Gender-Related Differences In Pain After Robotic Liver Resection**

Kristian Schaumburg Kiim (Denmark)

**e-Poster 6**

**RLR in Low Income Countries**

**EP6-1**      **Robotic versus open resection for colorectal liver metastases in a “referral centre Hub&Spoke learning program”**

Pasquale Avella (Italy)

**EP6-2**      **Expanding Access to Robotic Liver Resection in Low-Income Countries: Challenges and Innovations**

Pavithran Damodaran (India)

## **e-Poster 7**

### **Simulation/IR navigation for Education**

- EP7-1**      **Advancements in Simulation-Based Training and Image Registration Navigation for Laparoscopic Liver Surgery**  
Pavithran Damodaran (India)

## **e-Poster 8**

### **Teaching and Training in RLR**

- EP8-1**      **Textbook outcome after robotic and open resection for perihilar cholangiocarcinoma. PSM based analysis.**  
Mikhail Efanov (Russian Federation)
- EP8-2**      **Switching from laparoscopy to robotic liver surgery. Resistance or barriers? Boundaries and enablers to the implementation of robotic liver surgery**  
Concepción Gómez-Gavara (Spain)
- EP8-3**      **Immediate and long-term outcomes after robotic and open resections for perihilar cholangiocarcinoma. PSM based analysis**  
Mikhail Efanov (Russian Federation)

## **e-Poster 9**

### **Other**

- EP9-1**      **Initiation of Robotic surgery for senior liver surgeon**  
Jeong-Moo Lee (Republic of Korea)
- EP9-2**      **Prevalence and Associated Factors of Liver Disease in Indonesia: Analysis from the Indonesia Family Life Survey**  
Hafizh Rizqi (Indonesia)

**e-Video 1**

**Applications of Fluorescence Surgery**

- EV1-1**      **MILS for CRLM located in the postero-superior segments. The advantages of preoperative ICG injection in tumour detection during planned R1 vascular resection.**  
Andrea Benedetti Cacciaguerra (Italy)
- EV1-2**      **Robotic anatomic segmentectomy of s7 for HCC**  
Paolo Magistri (Italy)
- EV1-3**      **Laparoscopic segment 8 resection for breast cancer liver metastases**  
Giammauro Berardi (Italy)
- EV1-4**      **Fluorescence Cholangiography in Difficult Laparoscopic Cholecystectomy in Alagille Syndrome.**  
Rahi Karmarkar (United Kingdom)
- EV1-5**      **Fluorescence Image Guidance (FIG) in Minimally Invasive Liver Surgery- Can it Help Identify Deep Margins?**  
Rahi Karmarkar (United Kingdom)
- EV1-6**      **ICG Fluorescence Negative Staining in Laparoscopic Anatomical Liver Segment V and VI Resection**  
Ji-Zhou Wang (China)
- EV1-7**      **Use Of Indocyanine Green For Laparoscopic Resection Of A Choledochal Cyst**  
Belen Rivera (Chile)
- EV1-8**      **Hybrid Glissonean Approach for Robotic Segmentectomy 8 Using ICG Negative Staining**  
Taiga Wakabayashi (Japan)
- EV1-9**      **T3 GALBLADDER ADENOCA MANAGED WITH 3D RENDERING, PREOPERATIVE PVE AND CUSA-GUIDED ROBOTIC RIGHT EXTENDED HEPATECTOMY WITH ROUX-EN-Y BILE DUCT RECONSTRUCTION.**  
Roberto Ivan Troisi (Italy)



**EV1-10 Fully Minimally Invasive Two-Stage Hepatectomy With Laparoscopic and Robot-Assisted Approach**  
Federico Gaudenzi (Italy)

**e-Video 2**  
**MI-Donor Hepatectomy**

**EV2-1 Robotic right donor hepatectomy**  
Paolo Magistri (Italy)

**EV2-2 Robotic left donor hepatectomy**  
Paolo Magistri (Italy)

**e-Video 3**  
**Near-miss/Trouble shooting in RLR**

**EV3-1 Robotic Anatomical Redo Right Hepatectomy after Prior Resection and Incomplete Ablation**  
Melissa Touadi (USA)

**e-Video 4**  
**New and Allied Technologies in MILS**

**EV4-1 AI-Assisted Intraoperative Navigation for Safe Right Liver Mobilization during Pure Laparoscopic Donor Right Hepatectomy**  
Namkee Oh (Republic of Korea)

**EV4-3 Robotic Right Hemihepatectomy Real-time Image-guided Hepatic Bile Duct First Approach for Intraductal Papillary Neoplasm of the Bile duct**  
Osamu Yoshino (Australia)

**EV4-4 Laparoscopic Sg5-8 Bisegmentectomy Extended to Ventral Sg7 for Colorectal Liver Metastases**  
Roberto Lo Tesoriere (Italy)

- EV4-5**      **Laparoscopic Mesohepatectomy for Hepatocellular Carcinoma**  
Roberto Lo Tesoriere (Italy)
- EV4-6**      **Laparoscopic Resection Of S7-8 Using Hanging Maneuver With En bloc Resection Of The Right Hepatic Vein For Hepatocellular Carcinoma**  
Soufyan El Adel (Italy)
- EV4-7**      **Laparoscopic Anatomical Resection Of S8v Extended To S4a With Resection Of The Middle Hepatic Vein For Hepatocellular Carcinoma**  
Soufyan El Adel (Italy)
- EV4-8**      **Laparoscopic right hepatic venous drainage area resection by Indocyanine Green (ICG) fluorescent negative staining technique : how we do it**  
Junhao Zheng (China)
- EV4-9**      **Laparoscopic Anatomical Segmentectomy Of S7-8 For HCC**  
Soufyan El Adel (Italy)
- EV4-10**     **Single Port Robotic Liver Resection: Metastatectomy for Recurrent Fibrolamellar Hepatocellular Carcinoma**  
Taiga Wakabayashi (Japan)
- EV4-11**     **ROBOTIC BILIARY CYSTADENOMA RESECTION WITH INTRAPARENCHYMAL EXTRAGLISSONEAL APPROACH**  
Antonella Delvecchio (Italy)
- EV4-12**     **Laparoscopic S8 subsegmentectomy for HCC**  
Mikhail Efanov (Russian Federation)
- EV4-13**     **Totally Laparoscopic ALPPS Procedure for Multiple Bilobar Colorectal Liver Metastases: Is There Any Limit to the Number of Resectable Nodules?**  
Federico Gaudenzi (Italy)
- EV4-14**     **Robot-Assisted Anatomic Liver Resection of Segments 4 and 8 with Intrahepatic Glissonean Approach**  
Federico Gaudenzi (Italy)

**EV4-15 Advancing Robotic Liver Resection: The SLING Technique for improved Hepatic Retraction**  
Belkacem Acidi (USA)

**e-Video 5  
Parenchymal Dissection in MILR**

**EV5-1 3 cases of hepatectomy with different order division pre-resectional inflow vascular control (Glissonian approach) illustrating concepts for precise anatomy for minimally invasive liver surgery**  
Lee Ho Yin Henry (Hong Kong)

**EV5-2 ROBOTIC RIGHT HEPATECTOMY IN FRAGILE PATIENT**  
Annarita Libia (Italy)

**EV5-3 Pringles Manoeuvre Using a Foley Catheter- How we do it!**  
Rahi Karmarkar (United Kingdom)

**EV5-4 Liver resection using the vessel sealer**  
Guillaume Millet (France)

**EV5-5 Double Maryland Clamp Crushing Method: Nondominant Hand Transection And Three Technical Functions, Clamping, Rubbing, And Separating During Robotic Anatomic S3 and S7 Resections**  
Yoshikuni Kawaguchi (Japan)

**EV5-6 CUSA-ASSISTED ROBOTIC RESECTION OF A KLATSKIN TUMOR TYPE 3b.**  
Roberto Ivan Troisi (Italy)

**EV5-7 ROBOTIC LEFT HEPATECTOMY FOR HUGE HCC: CUSA-ASSISTED PARENCHYMAL DISSECTION AND MHV PRESERVATION, DOUBLE ICG STAINING AND DOWNSTREAM HILAR INFLOW OCCLUSION.**  
Roberto Ivan Troisi (Italy)

**e-Video 6**

**RLR in Low Income Countries**

**EV6-1 Standardising robotic hepatectomy techniques in a low-middle income country**

Kaival Ketan Gundavda (India)

**EV6-2 Robotic Right Hepatectomy with caudate lobectomy for Hilar cholangiocarcinoma**

Kalayarasan Raja (India)

**EV6-3 Robotic hilar bile duct resection for hilar tumors**

Kalayarasan Raja (India)

**e-Video 7**

**Teaching and Training in RLR**

**EV7-1 Robotic left hepatectomy with portal vein thrombectomy for HCC**

Simone Conci (Italy)

**EV7-2 Right Anterior Sectionectomy with extraglisoneal pedicle approach for HCC**

Simone Conci (Italy)

**e-Video 8**

**Other**

**EV8-1 Robotic Right Hepatectomy After Y-90 And Portal Vein Embolization (Video)**

Angela Hill (USA)