



**Torino**

**March 7-8, 2024**

Carlo Biscaretti di Ruffia  
Congress Centre

*Corso Unità d'Italia 40*

# **2<sup>nd</sup> International LapRoboLiver Meeting**

**Meeting Chairs:**

Luca Aldrighetti, *Milano*

Alessandro Ferrero, *Torino*

**Scientific Committee:**

Federica Cipriani, *Milano*

Diletta Corallino, *Milano*

Serena Langella, *Torino*

Roberto Lo Tesoriere, *Torino*

Francesca Ratti, *Milano*

Nadia Russolillo, *Torino*

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[www.mitolaprobolivermeeting.org](http://www.mitolaprobolivermeeting.org)

## INVITED SPEAKERS

Mohammad Abu Hilal *(Brescia, Italy)*

Luca Aldrighetti *(Milano, Italy)*

Francesco Ardito *(Roma, Italy)*

Giammauro Berardi *(Roma, Italy)*

Ugo Boggi *(Pisa, Italy)*

Fulvio Calise *(Napoli, Italy)*

Matteo Cescon *(Bologna, Italy)*

Daniel Cherqui *(Paris, France)*

Umberto Cillo *(Padova, Italy)*

Federica Cipriani *(Milano, Italy)*

Ibrahim Dagher *(Paris, France)*

Luciano De Carlis *(Milano, Italy)*

Fabrizio Di Benedetto *(Modena, Italy)*

Bjorn Edwin *(Oslo, Norway)*

Giorgio Ercolani *(Forlì, Italy)*

Giuseppe Maria Ettorre *(Roma, Italy)*

Alessandro Ferrero *(Torino, Italy)*

David Geller *(Pittsburgh, USA)*

Valentina Giroto *(Torino, Italy)*

Felice Giuliante *(Roma, Italy)*

Enrico Gringeri *(Padova, Italy)*

Salvatore Gruttadauria *(Palermo, Italy)*

Martina Guerra *(Brescia, Italy)*

Andrew Alexander Gumbs *(Poissy, France)*

Elio Jovine *(Bologna, Italy)*

Rahul Prasanna Kumar *(Oslo, Norway)*

Serena Langella *(Torino, Italy)*

Andrea Lauterio *(Milano, Italy)*

Roberto Lo Tesoriere *(Torino, Italy)*

Santiago Lopez Ben *(Girona, Spain)*

Hugo Pinto Marques *(Lisbon, Portugal)*

Marco Massani *(Treviso, Italy)*

Vincenzo Mazzaferro *(Milano, Italy)*

Federico Mocchegiani *(Ancona, Italy)*

Fabio Procopio *(Milano, Italy)*

Fabrizio Racca *(Torino, Italy)*

Francesca Ratti *(Milano, Italy)*

Matteo Ravaioli *(Bologna, Italy)*

Raffaella Reineke *(Milano, Italy)*

Renato Romagnoli *(Torino, Italy)*

Edoardo Rosso *(Luxembourg City, Luxembourg)*

Nadia Russolillo *(Torino, Italy)*

Andrea Ruzzenente *(Verona, Italy)*

Olivier Soubrane *(Paris, France)*

Carlo Sposito *(Milano, Italy)*

Iswanto Sucandy *(Tampa, USA)*

Rutger-Jan Swijnenburg *(Amsterdam, The Netherlands)*

Guido Torzilli *(Milano, Italy)*

Roberto Troisi *(Napoli, Italy)*

Luca Viganò *(Milano, Italy)*

Marco Vivarelli *(Ancona, Italy)*

Go Wakabayashi *(Tokyo, Japan)*

## SCIENTIFIC PROGRAMME

### THURSDAY • March 7, 2024

9:30 **Course opening and welcome to participants**

10:00 **Mininvasive surgery: challenges by video**

Moderators: L. Aldrighetti, M. Vivarelli

- M. Cescon commented by M. Massani
- R. Lo Tesoriere commented by B. Edwin
- G. M. Ettorre commented by I. Dagher
- S. Lopez Ben commented by R. Troisi

11:30 **Lecture**

**Robotic HPB surgery toward consensus**

O. Soubrane

Presented by: L. Aldrighetti

12:00 **Podium Presentation**

Moderators: F. Calise, B. Edwin

- Robotic liver resections after previous abdominal surgery: a multicenter experience.  
F. Sangjuolo
- Adapting strategy according to chemotherapy response.  
G. La Barba
- Prevention of post-hepatectomy liver failure in cirrhotic patients undergoing minimally invasive liver surgery for HCC: has the round ligament to be preserved?  
A. Benedetti Cacciaguerra
- Laparoscopic caudate lobectomy for paracaval hepatocellular carcinoma.  
R. De Carlis
- Multicenter Belgian prospective and consecutive registry comparing open vs minimally invasive liver surgery (BRELLS): 1342 cases in a period of 3-years.  
G. Rompianesi
- Robotic right hepatectomy extended to Sg1 with biliary resection.  
S. Conci

13:00 **Lunch and Poster Session talking e-video and e-poster**

Moderators: L. Aldrighetti, A. Ferrero

(Selection commission: F. Calise, B. Edwin, O. Soubrane)

14:00 **Segment 8 • Segmentectomy: variation on the theme**

Moderators: *S. Gruttadauria, S. Lopez Ben*

- Glissonean approach. *G. Wakabayashi*
- Thoraco-abdominal approach. *O. Soubrane*
- Hepatic-vein guided approach. *A. Ferrero*

15:00 **Implementation of MILS**

Moderators: *F. Ardito, E. Jovine*

- Japan experience. *G. Wakabayashi*
- Pan-European survey. *R. J. Swijnenburg*
- IGOMILS experience. *L. De Carlis*

16:15 **Session Next Generation: translating science into clinical practice**

Moderators : *E. Gringeri, M. Guerra, F. Mocchegiani*

- ICG in MILS. *G. Berardi* - Video contribution. *A. Lauterio*
- Parenchymal sparing in MILS. *F. Procopio* - Video contribution. *S. Langella*
- MILS in transplant setting. *M. Ravaioli* - Video contribution. *C. Sposito*
- MILS for benign tumors. *F. Cipriani* - Video contribution. *F. Ardito*

**FRIDAY • March 8, 2024**

8:30 **New insights of MILS in liver tumors**

Moderators: *A. Ferrero, G. Torzilli*

- Biliary tumors. *U. Cillo*
- Synchronous CRLM. *F. Giuliante*
- HCC. *V. Mazzaferro*

9:30 **Selected Videos**

Moderators: *F. Ardito, G. Ercolani*

- *F. Di Benedetto* commented by *I. Sucandy*
- *F. Ratti* commented by *S. Lopez Ben*
- *H. Pinto Marques* commented by *U. Cillo*
- *I. Dagher* commented by *L. Viganò*
- *E. Rosso* commented by *M. Vivarelli*

11:00 **Transition from laparoscopic to robotic liver surgery**

Moderators: *F. Di Benedetto, U. Boggi*

- MILS and open surgery, friends or foes: "The Liver Triathlon". *L. Aldrighetti*
- Tips and tricks for complex robotic resections. *I. Sucandy*
- Transition from LPS to robot. *R. J. Swijnenburg*

12:00 **Lecture**

**Benchmark in Liver Surgery**

*D. Geller*

Presented by: *M. Abu Hilal*

12:30 **Anesthesia in MILS**

Moderators: *F. Racca, E. Rosso*

- How anesthesiologist can help surgeons during complex liver surgery. *V. Girotto*
- Peculiarity of anesthesia during robotic surgery. *R. Reineke*

13:15 **Lunch**

14:00 **Technology in MILS: which roles?**

Moderators: *M. Cescon, B. Edwin*

- 3D as guide of anatomical and non-anatomical resections. *A. Ruzzenente*
- Mixed reality and navigation in MILS. *R. P. Kumar*
- ICG. *N. Russolillo*
- Artificial Intelligence. *A. A. Gumbs*

15:30 **Lecture**

**New methods to evaluate surgical outcomes**

*M. Abu Hilal*

Presented by: *A. Ferrero*

16:00 **Anatomical resection: new and old indications**

Moderators: *F. Giuliani, R. Romagnoli*

- HCC: is anatomical resection really needed. *D. Cherqui*
- Colorectal liver metastasis: which role? *B. Edwin*
- Intrahepatic cholangiocarcinoma: is it mandatory? *R. Troisi*

17:15 **Take home messages**

*L. Aldrighetti, A. Ferrero*

## E-POSTER

Conversion risk factors in robotic liver resections: a systematic review. *R. Filippo - Bari, Italy*

The laparoscopic approach to colorectal cancer liver metastases in the era of parenchyma-sparing resections. *M. Garancini - Milano, Italy*

Robotic major hepatectomy and potential benefits in elderly patient: a multicentre experience. *A. Delvecchio - Bari, Italy*

The laparoscopic approach to colorectal cancer liver metastases in the era of parenchyma-sparing resections. *F. Carissimi - Monza, Italy*

Pre-operative evaluation of spontaneous portosystemic shunts as a predictor of post-hepatectomy liver failure in patients undergoing liver resection for hepatocellular carcinoma. *G. Rompianesi - Napoli, Italy*

Robotic ICG central hepatectomy for HCC with extraglissonian approach. *A. Delvecchio - Bari, Italy*

Resection of segment 4b for HCC in patient with meso-caval shunt. *A. Laurenzi - Bologna, Italy*

Laparoscopic hepatico-jejunostomy for hepatolithiasis. *A. Laurenzi - Bologna, Italy*

ICG guided laparoscopic left hepatectomy. *A. Laurenzi - Bologna, Italy*

## TALKING SESSION

Combined “uniportal VATS and laparoscopic” approach as minimally invasive treatment of liver neoplasm with diaphragmatic infiltration. *A. Benedetti Cacciaguerra - Ancona, Italy*

Utility of near infrared fluorescence imaging for detection of colorectal liver metastases during minimally invasive liver resection: prospective single centre Italy study. *G. Piccolo - Milano, Italy*

Robotic liver resections in posterosuperior segments: data from two tertiary centers. *F. Sangiuolo - Bari, Italy*

Learning curve for laparoscopic liver resection: can posterior and anterior liver segments be approached simultaneously? *M. Garancini - Milano, Italy*

Laparoscopic tunnel hepatectomy with preservation of the middle hepatic vein. *R. De Carlis - Milano, Italy*

Robot-assisted fenestration of giant hepatic cysts in posterosuperior segments. *G. Piccolo - Milano, Italy*

Robotic en-bloc hepatic (S5-S6) and kidney resection for infiltrating HCC: report on a complex case. *M. Barabino - Milano, Italy*

Staged robotic right hepatectomy for colorectal liver metastases. *T. Giuliani - Forlì, Italy*

Anatomic resection of segment 8. Preoperative planning and intraoperative finding. A cubic resection based on 3-D reconstruction. *F. Banchini - Piacenza, Italy*

ICG guided laparoscopic anatomical segment 3 resection for HCC. *A. Laurenzi - Bologna, Italy*

Robotic Left Hepatectomy with portal thrombectomy for HCC. *S. Conci - Verona, Italy*

3D-R for laparoscopic icg-guided (overlayed) anatomical siii resection with ultrasonic peeling of a 3.5 cm HCC from V3 in metabolic cirrhosis. *M. C. Giglio - Napoli, Italy*

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## INFORMATION

### Venue

Carlo Biscaretti di Ruffia Congress Centre - Corso Unità d'Italia 40, Torino.

### Registration fees

The registration is free of charge.

### Registration information and procedures

The capacity of the room is 200 seats. In order to avoid crowding at the secretariat area, all registration procedures will be made electronically via the online registration form available at [www.symposium.it/eventi](http://www.symposium.it/eventi). Individual badges with QR code for onsite check will be sent to all regularly enrolled participants a few days before the event beginning. Online registrations will be accepted up to the room maximum capacity on a first-come-first-served basis.

**Deadline for registrations: March 1, 2024.**

### Italian CME data (ECM)

Evento ECM n. 6907-410538 • Crediti assegnati: 7

Professioni: Medico Chirurgo - Fisico [discipline: Chirurgia Generale]

### Provider ECM

Symposium Srl • Provider Agenas n. 6907

Unità Operativa Symposium Formazione

Via Gozzano, 14 - 10073 Ciriè (TO) - *(sede operativa)* • Tel. 011 921 14 67

### Badges

All delegates and exhibitors are kindly requested to always wear their name badge.

Entrance to meeting rooms will be limited to regularly enrolled participants.

### Language

Official language will be English. No simultaneous translation will be provided.

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