



CENTRO TRAPIANTO FEGATO
Turin Liver Transplant Center
Torino

SECOND TURIN INTERNATIONAL WORKSHOP ON LIVER MACHINE PERFUSION

Centro Congressi Lingotto **Turin**
November 22, 2024





RATIONALE

The “Second International Workshop on Liver Machine Perfusion” will take place in Turin on November 22, 2024, and will put together experts in the field of liver procurement and transplantation, to discuss innovations in liver machine perfusion.

Don't miss the opportunity to attend cutting-edge presentations from pioneers and opinion leaders in machine perfusion and normothermic regional perfusion, and get a glimpse into current knowledge and research directions in the field.

Under the patronage of

Day 1 | Friday, 22nd November 2024

Opening Remarks
Renato Romagnoli

Session 1. Where we stand

Chairpersons: **Renato Romagnoli, Constantino Fondevila**

- 09:00-09:12** NMP diffusion around the world and utilization patterns
Peter J. Friend
- 09:12-09:24** HOPE diffusion around the world and utilization patterns
Andrea Schlegel
- 09:24-09:36** How it started, how it is going: NMP practice evolution at the Innsbruck center
Stefan Schneeberger
- 09:36-09:48** How it started, how it is going: NMP practice evolution at the Cambridge center
Christopher J.E. Watson
- 09:48-10:00** How it started, how it is going: pushing the limits of NMP practice with high-risk donors in the USA
Magdy Attia
- 10:00-10:12** How it started, how it is going: ischemia-free liver transplantation at the Guangzhou center
Zhiyong Guo
- 10:12-10:24** How it started, how it is going: HOPE practice evolution at the Bologna center
Matteo Ravaoli
- 10:24-10:36** The French HOPEXt trial: preliminary results
Mickael Lesurtel
- 10:36-10:48** Challenges to machine perfusion diffusion in Germany
Georg Lurje
- 10:48-11:15** Discussion
- 11:15-11:30** *Coffee break*

Session 2. Perspectives

Chairpersons: **Peter J. Friend, Umberto Cillo**

- 11:30-11:42** What is going to be machine perfusion in 10 years?
Robert J. Porte
- 11:42-11:54** Developing a long-term NMP device
Dilmurodjon Eshmuminov
- 11:54-12:06** Challenges in hypothermic oxygenated machine preservation
James V. Guarrera
- 12:06-12:18** Viability assessment during MP: the ugly, the bad and the good
Rebecca Panconesi
- 12:18-12:30** Role of nanoEVs in organ repair/regeneration during ex situ liver perfusion.
Nicola De Stefano
- 12:30-12:42** Extracellular vesicles during HOPE: biomarkers or therapeutic agents?
Philipp Dutkowski
- 12:42-12:54** Defatting during NMP: when and how?
Hussain Abbas
- 12:54-13:06** Gene modulation during machine perfusion
Paulo Martins
- 13:06-13:18** Metabolomics during rat NMP
Daniele Eliseo Dondossola
- 13:18-13:48** Discussion
- 14:00-15:00** *Lunch*

Session 3. Normothermic regional perfusion in DCD liver transplantation

Chairpersons: **Luciano De Carlis, Robert J. Porte**

- 15:00-15:12** Technical aspects of NRP in controlled and uncontrolled DCD donation
Marinella Zanierato
- 15:12-15:24** Abdominal-NRP vs Thoraco-Abdominal-NRP: caveats and benefits
Diethard Monbaliu
- 15:24-15:36** Risk factors in DCD liver transplantation with NRP
Amelia J. Hessheimer
- 15:36-15:48** Ex-situ machine perfusion in Italian DCDs: always necessary?
Stefania Camagni
- 15:48-16:00** Pushing the limits of donor age in Italian DCDs: any implications for immunosuppressive therapy and post-transplant follow-up?
Davide Chinolfi
- 16:00-16:12** Bacterial, viral and fungal infectious challenges/ opportunities during NRP and liver MP
Silvia Corcione
- 16:12-16:40** Discussion

Session 4. Video session

Chairpersons: **Fabrizio Di Benedetto, Stefan Schneeberger**

- 16:40-16:50** Ischemia-free liver transplantation
Zhiyong Guo
- 16:50-17:00** Sequential D-HOPE-COR-NMP
Vincent E. De Meijer
- 17:00-17:10** Sequential D-HOPE-COR-NMP
Paolo Magistri
- 17:10-17:20** Liver splitting during HOPE
Riccardo De Carlis
- 17:20-17:30** Machine perfusion as a platform for ex-situ liver surgery
Jacopo Lanari
- 17:30-17:40** How to reduce cold ischemia time in upfront NMP?
Damiano Patrono
- 17:40-18:00** Discussion

SCIENTIFIC SECRETARIAT

Renato Romagnoli

*Professor of Surgery
Head, Liver Transplant Center
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CONGRESS ORGANIZER & SECRETARIAT

PLANNING

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Renato Romagnoli, *Torino*

Andrea Schlegel, *Cleveland*

Stefan Schneeberger, *Innsbruck*

Christopher JE Watson, *Cambridge*

Marinella Zanierato, *Torino*

GENERAL INFORMATION

CONGRESS VENUE

Centro Congressi Lingotto

Via Nizza 280

10126 Torino (Italy)

CME PROVIDER

The event CME RES **38-426716** has been granted **no. 7 CME credits**.

Accredited Professions: Surgeons (Disciplines: Pathological anatomy, Anesthesia and Reanimation, Cardiac surgery, Cardiology, General surgery, Pediatric surgery, Vascular surgery, Gastroenterology, Medical genetics, Laboratory medicine, Infectious diseases, General medicine, Internal medicine, Nephrology, Oncology, Clinical pathology, Pulmonology, Radiodiagnostics , Food science and dietetics) Biologist, Dietitian, Hospital Pharmacist, Nurse, Pediatric Nurse, Psychologist, Perfusionist Technician, Medical Radiology Health Technician

REGISTRATION

The congress is free to attend but the access is limited to 150 people.

You can register at <https://webplatform.planning.it/LMP2024/register>

TRAINING OBJECTIVE

Implementation of culture and safety in the field of transplant donation

With the non-conditioning sponsorship of