



2024



SOCIETÀ POLISPECIALISTICA ITALIANA  
DEI GIOVANI CHIRURGHI

# ABDOMINAL ORGAN TRANSPLANTATION YOUNG SURGICAL MASTERCLASS AIMS ACADEMY

## SURGICAL TECHNIQUE OF LIVER AND KIDNEY TRANSPLANTATION

**27 MAY 2024**

LIVER  
TRANSPLANTATION  
DONOR DAY

**28 MAY 2024**

LIVER  
TRANSPLANTATION  
RECIPIENT DAY

**29 MAY 2024**

KIDNEY  
TRANSPLANTATION



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## VENUE

AIMS Academy  
Piazza Ospedale Maggiore, 3  
20162 Milano (MI), Italy  
AIMS is located inside the Niguarda hospital,  
in the north-west part of Milan.



## ASSOCIATION



SOCIETÀ POLISPECIALISTICA ITALIANA  
DEI GIOVANI CHIRURGHI

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**Prof. S. Di Sandro** – Azienda Ospedaliero-Universitaria Policlinico di Modena, Modena

## SPECIAL GUEST LECTURE

**Prof. F. Di Benedetto** – Azienda Ospedaliero-Universitaria Policlinico di Modena, Modena

## FACULTY

- Raffaele Pugliese** – AIMS Academy, Milano  
**Stefano Di Sandro** – Azienda Ospedaliero-Universitaria Policlinico di Modena, Modena  
**Giacomo Pugliese** – AIMS Academy, Milano  
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**Enrico Gringeri** – Azienda Ospedale-Università Padova, Padova  
**Ivan Vella** – ISMETT di Palermo, Palermo  
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**Graziano Oldani** – UBC Hospital, Vancouver General Hospital, Vancouver  
**Duilio Pagano** – ISMETT di Palermo, Palermo  
**Gian Piero Guerrini** – Azienda Ospedaliero-Universitaria Policlinico di Modena, Modena  
**Domenico Pinelli** – ASST Papa Giovanni XXIII, Bergamo  
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**Maurizio Iaria** – Azienda Ospedaliera Universitaria di Parma, Parma  
**Cristina Silvestre** – Azienda Ospedale Università Padova, Padova  
**Umberto Baccarani** – Azienda Sanitaria Universitaria Friuli Centrale, Udine



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**27 May 2024**

## **DAY 1 – LIVER TRANSPLANTATION – DONOR DAY**

### **Morning session:**

#### **9.00 am – 1.30 pm – Deceased-donor liver transplantation: THE DONOR**

9.00 am – Masterclass presentation. *Prof. R. Pugliese & Prof. S. Di Sandro*

9.15 am – AIMS presentation. *G. Pugliese*

9.30 am – Lecture: History of Liver Transplantation and Current Challenges. *S. Di Sandro*

10.00 am – Surgical Anatomy of the Liver and its implication in LT. *L. Centonze*

10.30 am – Deceased donation and death diagnosis – DBD and DCD donors. *F. Melandro*

11.00 am – Coffee break

11.10 am – DBD liver procurement: Surgical technique. *C. Guidetti/G. Esposito*

11.30 am – DCD liver procurement: Surgical technique and graft evaluation. *D. Dondossola*

12.00 pm – Advanced perfusion strategies: ECMO, NRP and Machine perfusion technologies. *I. Scalera*

12.30 pm – Split liver: in situ ed ex situ. *R. Angelico*

1.00 pm – Back-table surgery. *A. Carraro*

1.30 pm – Lunch

Lunch Session. Tacrolimus molecule in liver and kidney transplantation: indications and results.

### **Afternoon session:**

#### **2.45 pm – 6.00 pm – Living donor liver transplantation: THE DONOR**

2.45 pm – **Lecture: Living Donor Liver Transplantation: Robotic Donor Hepatectomy.** *F. Di Benedetto*

3.30 pm – Living donor surgical selection. *B. Catellani*

4.00 pm – Future Liver Remnant: anatomical and functional evaluation. *A. Vanzulli*

4.30 pm – Translational research on medical imaging in the service of transplant surgical techniques. The value of the multidisciplinary approach in technological advancements. *G. Pugliese*

5.00 pm – Right hepatectomy for living donation. *S. Di Sandro/C. Guidetti*

5.30 pm – Left hepatectomy for living donation. *P. Magistri/L. Centonze*

6.00 pm – Closing remarks



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**28 May 2024**

## **DAY 2 – LIVER TRANSPLANTATION – RECIPIENT DAY**

### **Morning session:**

#### **8.30 am – 1.30 pm – Deceased-donor liver transplantation: THE RECIPIENT**

8.30 am – Masterclass presentation

9.00 am – Current indications for LT and recipient selection criteria. *C. Sposito*

9.30 am – Recipient hepatectomy: surgical technique and pitfalls. *M. Colasanti*

10.00 am – Outflow reconstruction technique. *D. Patrono*

10.30 am – Coffee break

11.00 am – Portal reconstruction technique. *L. Centonze*

11.30 am – Portal vein thrombosis: anatomical and non-anatomical reconstructions. *S. Di Sandro – L. Centonze*

12.00 pm – Arterial reconstruction technique. *E. Gringeri*

12.30 pm – Biliary reconstruction technique. *I. Vella*

1.00 pm – Arterial conduits and non-anatomical reconstructions. *R. Meniconi*

1.30 pm – Lunch

### **Afternoon session:**

#### **3.00pm – 6.00pm – Living donor liver transplantation: THE RECIPIENT**

3.00 pm – Recipient selection and risk/benefit evaluation: surgical perspectives. *G. Oldani*

3.30 pm – Hilar dissection in LDLT – tips and pitfalls. *B. Catellani*

4.00 pm – Outflow reconstruction technique in LDLT. *D. Pagano*

4.30 pm – Portal reconstruction and management of portal flow in LDLT. *G. Guerrini*

5.00 pm – Arterial reconstruction technique in LDLT. *S. Di Sandro*

5.30 pm – Biliary reconstruction technique in LDLT. *D. Pinelli*

6.00 pm – Closing remarks



**29 May 2024**

## **DAY 3 – KIDNEY TRANSPLANTATION**

### **Morning session:**

#### **8.30pm – 1.30pm – Deceased-donor Kidney Transplantation**

8.30 am – Masterclass presentation

9.00 am – History of Kidney Transplantation and Current State of the Art. *R. Angelico*

9.30 am – Surgical technique of donor nephrectomy in DBD/DCD setting. *C. Guidetti*

10.00 am – Back-table preparation of kidney graft and Machine Perfusion set up. *M. Iaria*

10.30 am – Coffee break

11.00 am – Back-table vascular reconstruction: when and how? *G. Esposito*

11.30 am – Surgical technique for kidney transplantation. *L. Centonze*

12.00 pm – Surgical technique for double kidney transplantation. *C. Silvestre*

12.30 pm – Robotic kidney transplantation: surgical technique and state of the art. *S. Di Sandro*

1.00 pm – Surgical complications of kidney transplantation. *U. Baccarani*

1.30 pm – Lunch

### **Afternoon session:**

#### **3.00pm – 6.00pm – Living-donor kidney transplantation**

3.00 pm – Minimally invasive donor nephrectomy: surgical options. *L. Centonze*

3.30 pm – The donor selection: surgical perspective. *C. Di Bella*

4.00 pm – Right donor nephrectomy. *C. Guidetti*

4.30 pm – Venous reconstructions in LDKT. *G. Guerrini*

5.00 pm – Arterial reconstruction in LDKT. *F. Melandro*

5.30 pm – Ureteral reconstruction in LDKT. *B. Catellani*

6.00 pm – Closing remarks

