Microsuture techniques
Anastomoses and watertight sutures

Milan, Italy

Online Session
Friday, 16th September 2022 | From 2.00 pm to 4.30 pm

Hands-on Session | Day 1
Monday 19th September 2022 | From 9.00 am to 6.00 pm

Hands-on Session | Day 2
tTuesday, 20th September 2022 | From 9.00 am to 6.00 pm

Mikros International School of Microsurgery | Viale Thomas Alva Edison, 621, 20099
Sesto San Giovanni MI

UpSurgeOn
Microsuture techniques
Anastomoses and watertight sutures
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Course Coordinator

Cesare Zoia
Pavia

Local Faculty (Online)
16th September

Marco Cenzato
Milan

Marco M. Fontanella
Brescia

Armando De Virgilio
Milan

Federico Nicolosi
Milan

Giannantonio Spena
Pavia

Zefferino Rossini
Milan

Special Guests (Online)
16th September

Aaron Cohen-Gadol
Indianapolis

Matias Baldoncini
Buenos Aires
Microsuture techniques
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Local Faculty (Onsite)
Day 1 – 19th September

Marco Cenzato
Milan

Marco M. Fontanella
Brescia

Armando De Virgilio
Milan

Federico Nicolosi
Milan

Giannantonio Spena
Pavia

Zefferino Rossini
Milan

Local Faculty (Onsite)
Day 2 – 20th September

Francesco Acerbi
Milan

Daniele Bongetta
Milan

Carlo Bortolotti
Bologna

Federico Nicolosi
Milan

Giannantonio Spena
Pavia

Zefferino Rossini
Milan
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Course Contents

The course includes practical exercises for the acquisition and enhancement of microsurgical skills through the practice of:

• microsurgical anastomoses on 1 mm and 2 mm synthetic vessels;
• microsurgical anastomoses on animal vessels;
• adventitia dissection and vessel preparation;
• end-to-end anastomoses and blood flow test;
• end-to-side anastomoses and blood flow test;
• dural sutures on synthetic membranes.

No live animals.

Course Objective

The aim of the course is to increase the surgical skills through the use of hyper-realistic simulators for microvascular and microreconstruction techniques.

Target

Course Program

Online theoretical session

Friday 16th September

2:00 pm: Introduction
  Cesare Zoia

2:10 pm: Microvascular anastomoses: indications
  Marco Fontanella
  Q&A | 3 min.

2:40 pm: End-to-end and end-to-side anastomoses: techniques and steps
  Armando De Virgilio
  Q&A | 3 min.

3:10 pm: Technical Nuances of High and Low-Flow Revascularization
  Aaron Cohen-Gadol
  Q&A | 3 min.

3:40 pm: Bypass surgery for moyamoya disease: indications and surgical techniques.
  Matias Baldoncini
  Q&A | 3 min.

4:10 pm: Dural microsutures: techniques, tips and tricks
  Zefferino Rossini

4:40 pm: Final considerations
  Cesare Zoia
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DAY 1 | Hands-on session (Local faculty onsite)
Monday 19th September 2022

Step by Step exercises guided by the Master station
Each participant will use a surgical MICROSCOPE, instruments and simulators.

9:00 am – 11.00 am: Dural Microsutures
11:00 am – 11.15 am: Coffee Break
11:15 am – 1.00 pm: Vessel Preparations
   1:00 pm – 2.00 pm: Lunch
2:00 pm – 6.00 pm: End-to-end and end-to-side anastomoses
   6.00 pm: Social Aperitif

DAY 2 | Hands-on session (Local faculty onsite)
Tuesday 20th September 2022

Step by Step exercises guided by the Master station
Each participant will use a surgical MICROSCOPE, instruments and simulators.

9:00 am – 11.00 am: Dural Microsutures
11:00 am – 11.15 am: Coffee Break
11:15 am – 1.00 pm: Vessel Preparations
   1:00 pm – 2.00 pm: Lunch
2:00 pm – 6.00 pm: End-to-end and end-to-side anastomoses
   6.00 pm: Social Aperitif
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**UpSurgeOn Technology**

**Mycro:** Training System for Microvascular Anastomoses and Microsutures

Mycro is a training system for **Microvascular Anastomoses** and **Microsutures**. Mycro is compatible with the **UpSurgeOn Box**, and this allows to increase exercise's **complexity** (depth and inclination).

**Microvascular Anastomoses**

- Life-like micro vessels with blood flow for anastomoses training
  - Sutures on 1 mm and 2 mm hyper realistic vessels
  - Blood Flow Simulation
  - Patency test under pressure
  - Simulation of dissectible Adventitia
  - **End-to-end** and **end-to-side** anastomoses
  - Liquid collection system

**Microsutures**

- Simulator of micro sutures (dura mater, fascia, adventitia)
  - Magnetic System for modular tension
  - Realistic backgrounds (Sylvian fissure and Muscle)
Registration fees and payment methods

The course fee is €300 (€245,90 + VAT 22%)

Registration for the course includes:
- Insurance
- Welcome gadgets
- Certificate of attendance
- Coffee break
- Lunch
- Social aperitif
- Coupon for UpSurgeOn simulators or courses.

Only Green Pass holders will be allowed to enter the workshop.

All participants are kindly requested to register via the "online form" on the website www.upsurgeon.com

Once registered through the form, the participant will receive by email the details for payment, which must be made at least 14 days before the course date.