

Microsuture techniques

Anastomoses and watertight sutures



Milan, Italy

Online Sessions (Group A+B)

Monday, April 24th and Wednesday, April 26th, 2023

From 2:00 PM to 4:30/5:00 PM (CET)

Hands-on Session (Group A)

Thursday, 27th April 2023 - From 9:00 AM to 6:00 PM

Hands-on Session (Group B)

Friday, 28th April 2023 - From 9:00 AM to 6:00 PM

Mikros International School of Microsurgery
Sesto San Giovanni, Milan

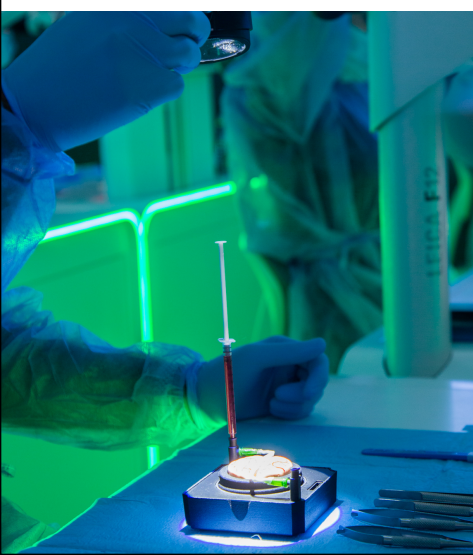
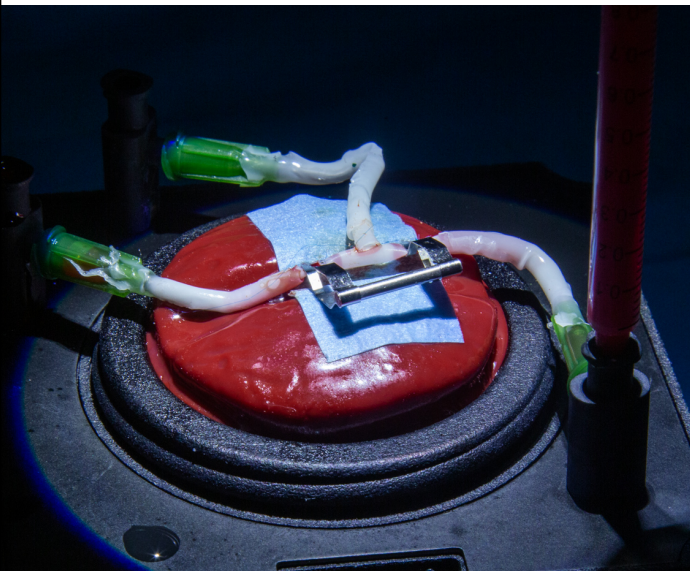
Microsuture techniques

Anastomoses and watertight sutures

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Course Coordinator



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Plastic Surgeon
Head Hand Surgery and
Reconstructive Microsurgery
Department Orthopaedic
Institute Gaetano Pini – CTO -
Milan

Course Program

GROUP A&B | Online theoretical session

Monday, April 24, 2023 - Wednesday April 26, 2023

2:00 PM – 5:00 PM (CET)

GROUP A | Hands-on session (Local faculty onsite)

Thursday, April 27, 2023

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

Social Aperitif

GROUP B | Hands-on session (Local faculty onsite)

Friday, April 28, 2023

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

Social Aperitif

Online Course Program

Online theoretical session

Monday, April 24, 2023

2:00 PM - Introduction - *Cesare Zoia*

2:10 PM - History of Microsurgery - *Nicola Felici*

2:40 PM - Microvascular anastomoses: indications - *Marco Fontanella*

3:10 PM - Bypass surgery for moyamoya disease: indications and surgical techniques -
Matias Baldoncini

3:40 PM - End-to-end & end-to-side Microanastomoses: Techniques and Simulators at
Zurich Microsurgery Lab - *Giuseppe Esposito*

4:10 PM - Techniques of peripheral nerve repair - *Pierluigi Tos*

4:40 PM - Final considerations - *Cesare Zoia*

Online theoretical session

Wednesday, April 26, 2023

2:00 PM - Introduction - *Cesare Zoia*

2:10 PM - Basis of Microsurgery - *Ana Del Pozo*

2:40 PM - Dural microsutures: techniques, tips and tricks - *Daniele Bongetta*

3:10 PM - Microvascular anastomoses: technical nuances, tips and tricks - *Marco
Cenzato*

3:40 PM - End-to-End anastomoses: techniques and steps - *Armando De Virgilio*

4:10 PM - End-to-Side anastomoses: techniques and steps - *Zefferino Rossini*

4:40 PM - Suture technique for STA-MCA M2 segment bypass applied to the
treatment of giant aneurysms - *Francesco Signorelli*

5:10 PM - Final considerations - *Cesare Zoia*

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 hyper-realistic 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.

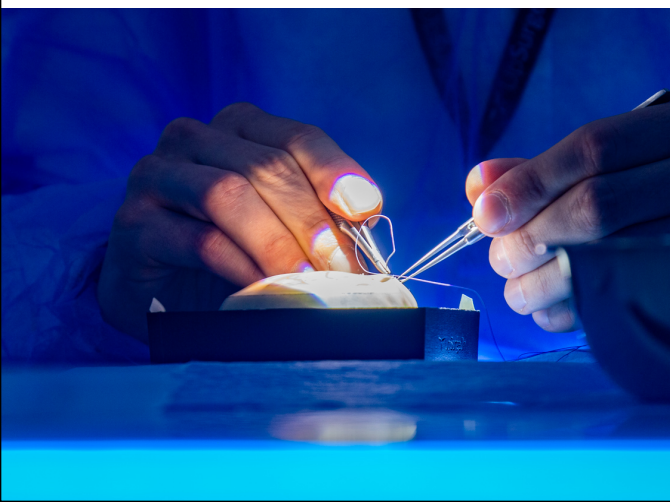
No live animals.

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

Trainees and Consultants of Neurosurgery, Plastic Surgery, ENT, maxillo-facial surgery and vascular surgery.



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).

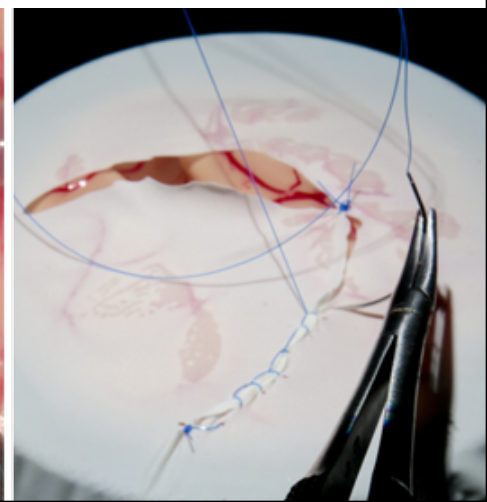
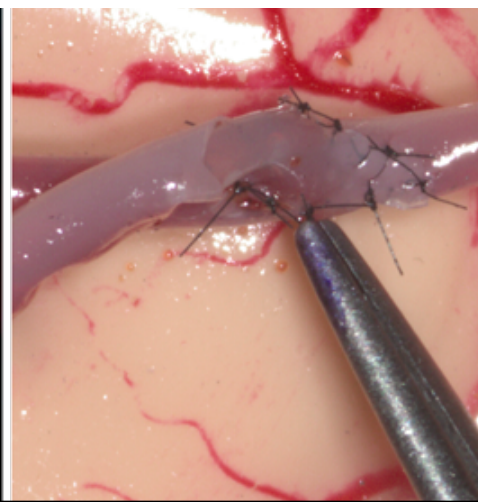
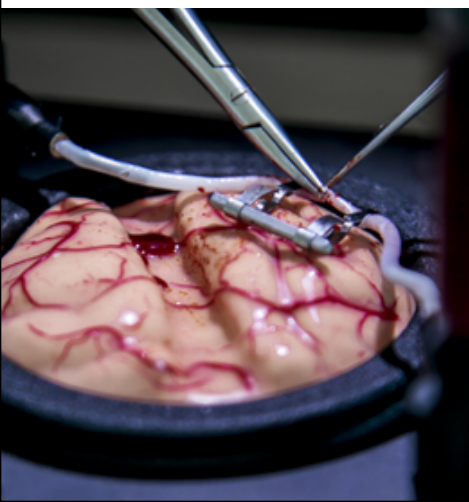
Microvascular Anastomoses

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)



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Registration fees and payment methods

The course fee is **€ 400** (€ 327,81 + VAT 22%)

Registration for the course includes:

- Certificate of attendance
- Coffee break
- Lunch
- Social aperitif

All participants are kindly requested to **apply** on the website

<https://store.upsurgeon.com/psychomotor-skills-training-courses/>

Useful Information

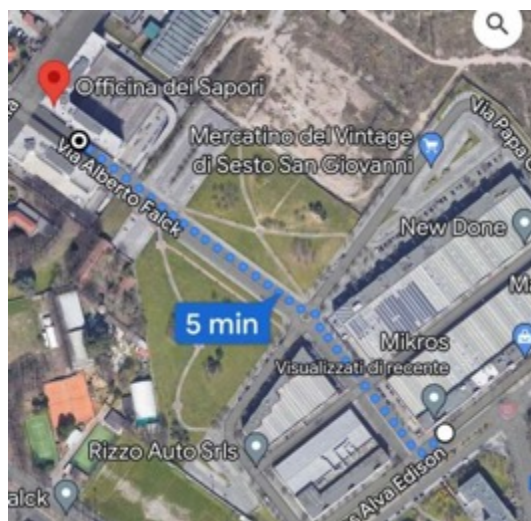
Mikros International School of Microsurgery

Viale Thomas Alva Edison,
621, 20099 Sesto San
Giovanni MI



Lunch at Officina dei Sapori

5 minute away



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