

Microsuture techniques

Anastomoses and watertight sutures



Milan, Italy

Online Sessions (Group A+B)

Monday, 16th October 2023 - From 2.00 pm to 4.30 pm

Hands-on Session (Group A)

Tuesday, 17th October 2023 - From 9.00 am to 6.00 pm

Hands-on Session (Group B)

Wednesday, 18th October 2023 - From 9.00 am to 6.00 pm

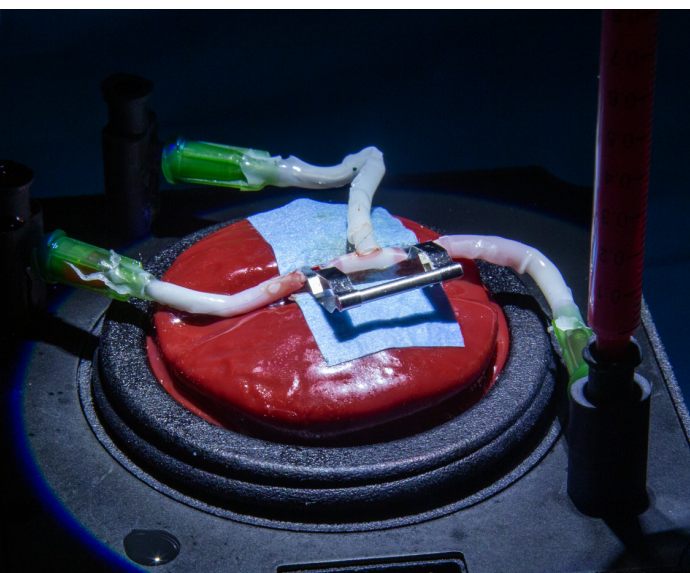
Mikros International School of Microsurgery

 UpSurgeOn

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Microsuture techniques

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Course Coordinator



Cesare Zoia
Head of Neurosurgery, Gravedona

Faculty



Francesco Acerbi
Milan



Mario Cherubino
Abu Dhabi



Matias Baldoncini
Buenos Aires



Giuseppe Esposito
Zurich



Marco Cenzato
Milan

Tutors



Alice Alban
Rome



Federico Nicolosi
Milan



Daniele Bongetta
Milan



Zefferino Rossini
Milan



Erika Carrassi
Rovigo



Giannantonio Spena
Pavia



Davide Di Santo
Turin



Daniele Tosi
Milan



Erika Ferrari
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Cesare Zoia
Gravedona



Francesco Guerrini
Pavia

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Head of Neurosurgery, Gravedona

Course Program

Online theoretical session

Monday 16th October, 2023

- 2:00 pm:** Introduction
Cesare Zoia
- 2:10 pm:** Microvascular anastomosis indication and techniques in neurosurgery
Francesco Acerbi
Q&A | 3 min.
- 2:30 pm:** Microvascular anastomoses: technical nuances, tips and tricks
Marco Cenzato
Q&A | 3 min.
- 2:50 pm:** End-to-end & end-to-side Microanastomoses: Techniques and Simulators at Zurich
Microsurgery Lab
Giuseppe Esposito
Q&A | 3 min.
- 3:10 pm:** Bypass surgery for moyamoya disease: indications and surgical techniques
Matias Baldoncini
Q&A | 3 min.
- 3:30 pm:** Microvascular anastomoses in plastic surgery: technical nuances, tips and tricks
Mario Cherubino
Q&A | 3 min.
- 3:50 pm:** Final considerations
Cesare Zoia

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

Tuesday 17th October, 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

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

Wednesday 18th October 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

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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.

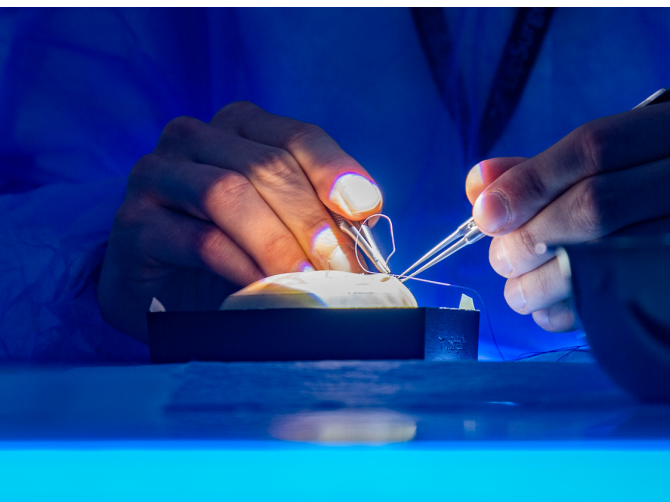
No live animals.

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

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



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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

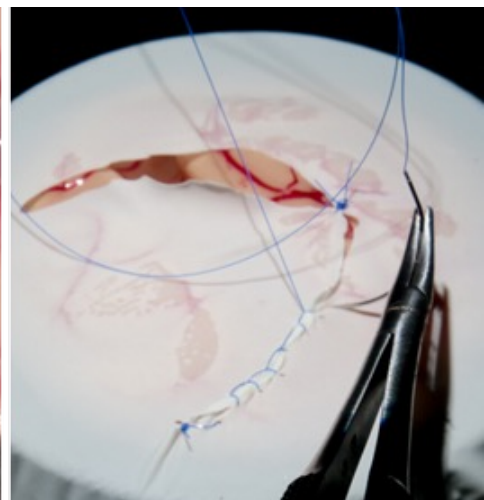
Life-like micro vessels with blood flow for anastomoses training

- 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)



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Registration fees and payment methods

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

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



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