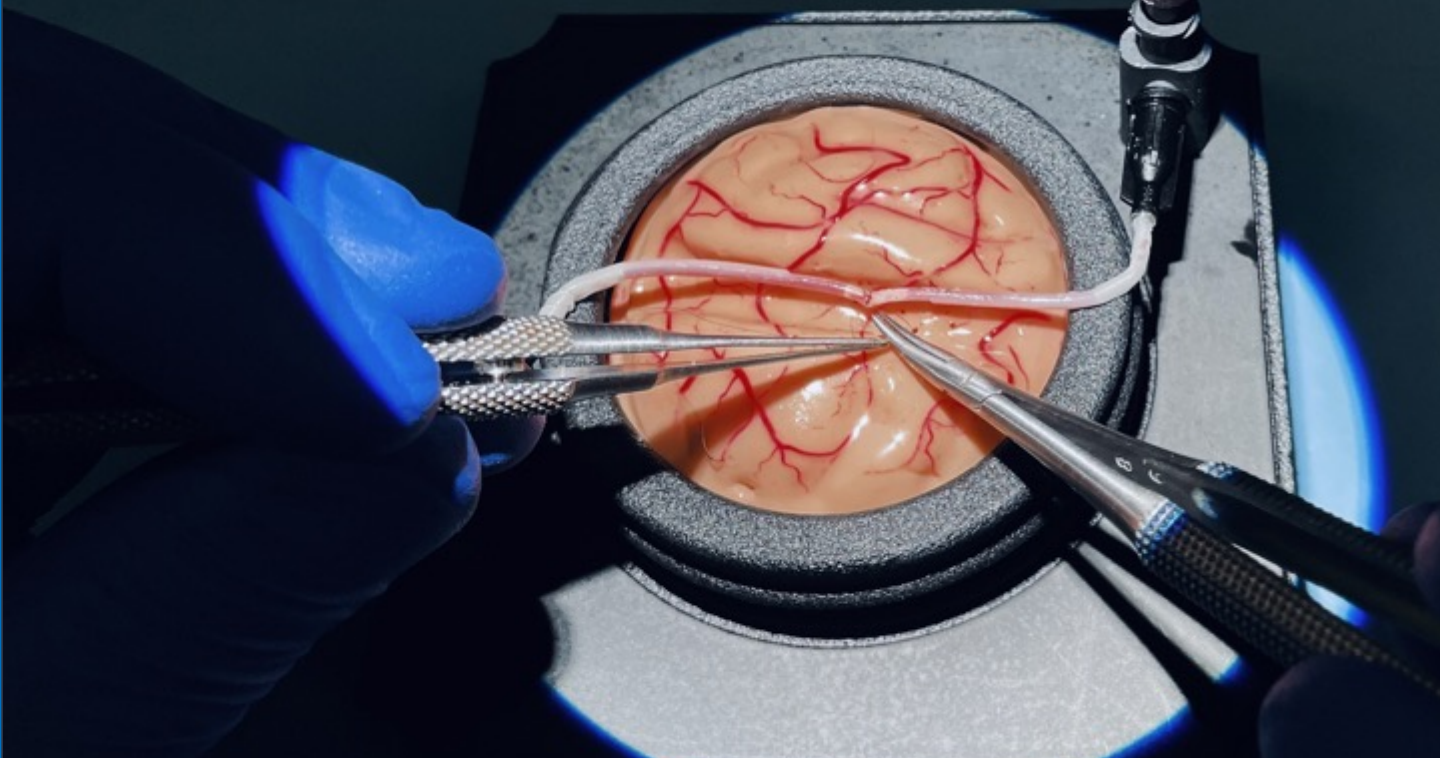


# Microsuture techniques

## 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

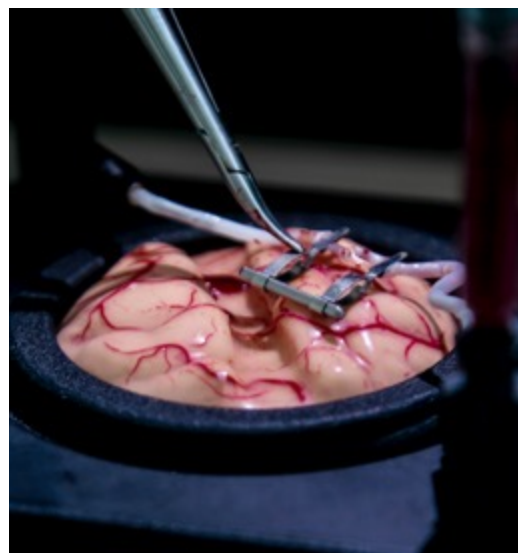
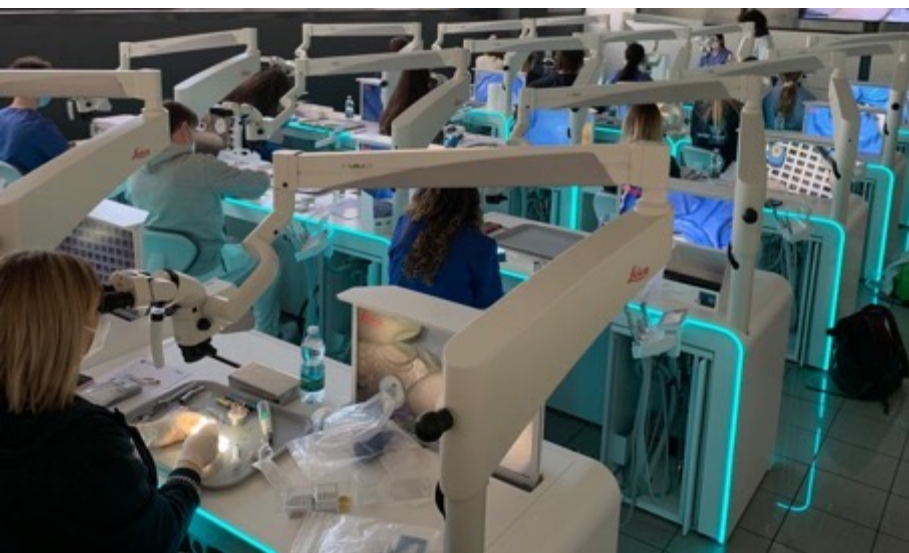
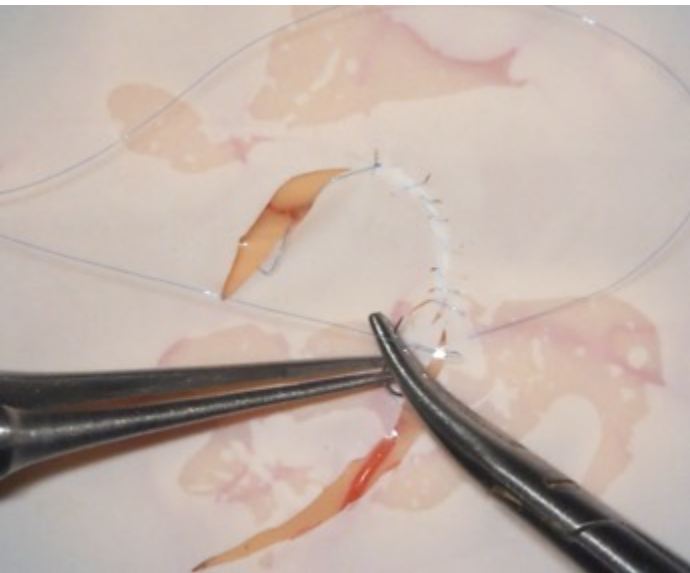
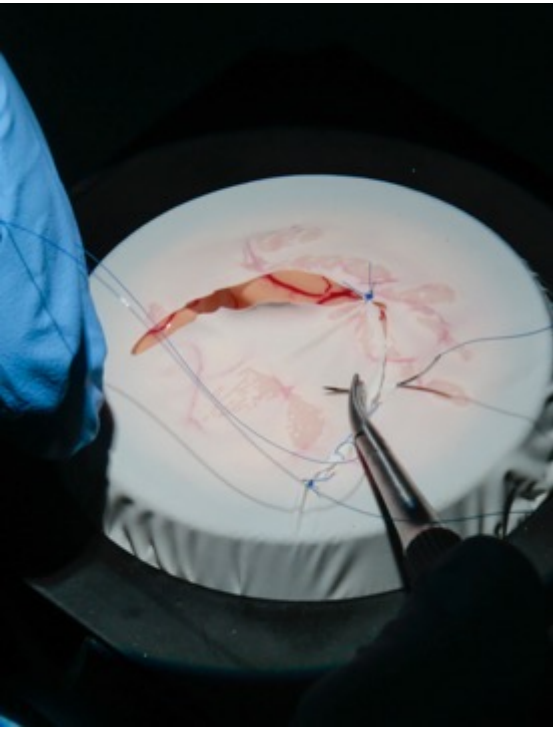
Hands-on Session | Day 2

Tuesday, 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

# Microsuture techniques

## Anastomoses and watertight sutures



# Microsuture techniques

## Anastomoses and watertight sutures

### 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

## Anastomoses and watertight sutures

### *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

# Microsuture techniques

## Anastomoses and watertight sutures

### 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.



# Microsuture techniques

## Anastomoses and watertight sutures

### 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:** Microvascular anastomoses: technical nuances, tips and tricks  
Marco Cenzato  
**Q&A | 3 min.**
- 3:40 pm:** Technical Nuances of High and Low-Flow Revascularization  
Aaron Cohen-Gadol  
**Q&A | 3 min.**
- 4:10 pm:** Bypass surgery for moyamoya disease: indications and surgical techniques.  
Matias Baldoncini  
**Q&A | 3 min.**
- 4:40 pm:** Dural microsutures: techniques, tips and tricks  
Zefferino Rossini
- 5:00 pm:** Final considerations  
Cesare Zoia

# Microsuture techniques

## Anastomoses and watertight sutures

### 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
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- 6.00 pm: Social Aperitif

# Microsuture techniques

## Anastomoses and watertight sutures

### *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**

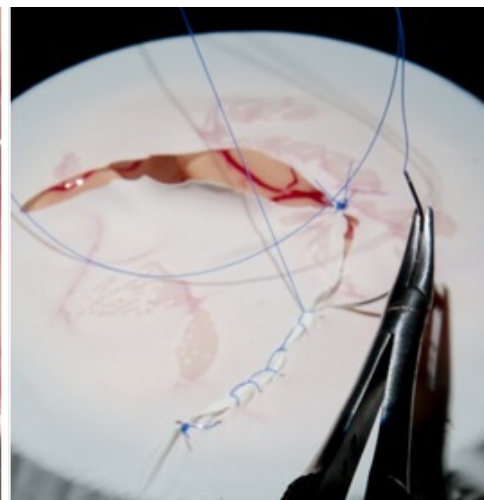
##### **Life-like micro vessels with blood flow for anastomoses training**

- 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)





# Microsuture techniques

## Anastomoses and watertight sutures

### 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.

### Mikros International School of Microsurgery

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Giovanni MI



### Lunch at Officina dei Sapori

5 minute away

