

Department of Plastic, Aesthetic,
Hand and Reconstructive Surgery

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German Society
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Workshop

Microsurgery of Peripheral Nerves and Vessels Training



The Microsurgery of Peripheral Nerves and Vessels Workshop is designed to introduce participants to fundamental concepts and hands-on techniques in microsurgery for repairing peripheral nerves and vessels.

This year we have the pleasure to be one of the first 4 centers in Europe to offer training with the microsurgery robot Symani. The Practical Microsurgery Training Workshop with Symani Robot aims to provide participants with hands-on experience in using the Symani robotic system for microsurgical procedures.

Participants will learn the basics of robot-assisted microsurgery and gain practical skills through guided exercises. This course is based on our online microsurgery tutorial (<https://microsurgery.video>).

Target Audience/ Participants:

Surgeons, residents, and medical professionals with basic microsurgical surgical knowledge, who are interested in exploring robotic microsurgery.

Group Size: 2 groups of 3 participants each

Evaluation and Certification:

- Assessment of practical skills based on hands-on sessions
- Active participation in discussions and exercises
- Certificate of completion for participants who meet the evaluation criteria

Note: Each group will follow the same schedule, but the sessions will be conducted in parallel for the two groups. Trained Symani operators will supervise and guide participants throughout the practical exercises.

Workshop Schedule:

Morning Session (Group 1)

8:00 AM - 8:30 AM: **Registration and Welcome** (Building K5, Floor 3, Room 4277)

8:30 AM - 9:00 AM: **Introduction to Symani Robot**

- Overview of the Symani robotic system and its components
- Explanation of the natural interface and robotic instruments

9:00 AM - 10:00 AM: **Basic Robotic Techniques**

- Familiarization with the robotic console and hand gestures
- Practice of basic robotic movements on simulation models

10:00 AM - 10:15 AM: **Coffee Break**

10:15 AM - 12:00 AM: **Microsurgical Suturing Techniques**

- Step-by-step guidance on robotic microsuturing
- Hands-on practice of suturing on simulation models

12:00 PM - 1:00 PM: **Lunch Break**

Afternoon Session (Group 1)

1:00 PM - 1:45 PM: **Introduction of manual Microsurgery based on our online microsurgery tutorial (<https://microsurgery.video>).**

1:45 PM - 2:00 PM: **Short Break**

2:00 PM - 4:00 PM: **Manual Microsurgery: Vessel Anastomosis**

- Overview of vascular anastomosis
- Hands-on practice of end-to-end and end-to-side anastomosis on synthetic vessels

Morning Session (Group 2)

8:00 AM - 8:30 AM: **Registration and Welcome** (Building K5, Floor 3, Room 4277)

8:30 AM – 9:15 AM: **Introduction of manual Microsurgery based on our online microsurgery tutorial** (<https://microsurgery.video>).

9:15:00 PM – 9:30 PM: **Short Break**

9:30 PM - 12:00 PM: **Manual Microsurgery: Vessel Anastomosis**

- Overview of vascular anastomosis
- Hands-on practice of end-to-end and end-to-side anastomosis on synthetic vessels

12:00 PM - 1:00 PM: **Lunch Break**

Afternoon Session (Group 2)

1:00 AM - 1:30 PM: **Introduction to Symani Robot**

- Overview of the Symani robotic system and its components
- Explanation of the natural interface and robotic instruments

1:30 PM - 2:30 PM: **Basic Robotic Techniques**

- Familiarization with the robotic console and hand gestures
- Practice of basic robotic movements on simulation models

2:30 AM - 2:45 AM: **Coffee Break**

2:45 AM – 4:00 AM: **Microsurgical Suturing Techniques**

- Step-by-step guidance on robotic microsuturing
- Hands-on practice of suturing on simulation models