SECOND-LEVEL MASTER'S DEGREE IN MICROSURGERY

WEBSITE: https://www.unina.it/-/66571881-ma_sp_microchirurgia_scheda
Practical and academic information: www.naplesacademyofplasticsurgery.com
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MASTER COORDINATOR
Prof. Simone La Padula
PRESIDENT
Prof. Francesco D'Andrea
SCIENTIFIC BOARD
Prof. Francesco D'Andrea, Prof. Fabrizio Schonauer, Prof. Simone La Padula

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IMPORTANT DATES:

FROM January 13, 2027 To June 28, 2027.
ONLINE THEORETICAL COURSES:
FROM January 13, 2027 TO February 17, 2027 (via Microsoft Teams)
HANDS-ON PRACTICAL SESSIONS ON ANIMAL MODELS (RAT):
FROM JUNE 14 TO JUNE 25, 2027 – IN PERSON
PRACTICAL EXAM: JUNE 25, 2027 – IN PERSON
THESIS AND SCIENTIFIC ARTICLE DEFENSE: JUNE 28, 2027– IN PERSON

REFERENCE TEXTS

- *Practical Manual of Microsurgery*, La Padula S. (https://amzn.eu/d/5zh1RWu)
- *Flaps and Reconstructive Surgery*, Fu-Chan Wei & Samir Mardini (2nd edition)

The **Second-Level University Master's Degree in Microsurgery** enables participants to acquire both basic and advanced techniques in vascular and nerve microsurgery.

The intensive program consists of remote theoretical lessons (via Microsoft Teams), practical sessions on rat models, and the possibility of undertaking internships at institutions where the Master's faculty members work.

The practical sessions take place at the **Biotechnology Center**, U.O.C. Training, Research and International Cooperation, **A.O.R.N. "A. Cardarelli" Hospital**.

The academic title is awarded following a final evaluation, which includes:

- Writing a **thesis** and a **scientific article** (based on the thesis) on a topic in reconstructive microsurgery chosen by the candidate, and

- Passing the **practical examination**.

To pass the practical exam, the candidate must successfully complete (with patent anastomoses) **at least two out of three techniques drawn on the day of the exam**, including:

- Arterial and venous anastomosis of choice
- Vascular graft and bypass
- Subrenal aorta anastomosis
- Carotid artery and external jugular vein anastomosis
- Femoral artery and vein anastomosis
- Caudal artery anastomosis
- Kidney transplantation
- Free groin flap

The candidate must extract a **scientific article** from their thesis and send it to the Master Coordinator (**simone.lapadula@unina.it**) along with the thesis **at least 10 days before the thesis defense**.

Selected articles will be considered for publication in the international journal:
Plastic Reconstructive & Regenerative Surgery (PRRS).

To write the article, the **official journal template must be used**, downloadable from the journal's website at the following link:
👉https://www.prrsjournal.com/about/submissions

Follow our dedicated Instagram page for training courses in Plastic Surgery and Aesthetic Medicine to stay updated on information and news:

@NAPLESACADEMYOFPLASTICSURGERY

MICROSOFT TEAMS

FIRST MODULE – Wednesday, 13/01/2027 from 09:30 to 13:30

- 09:30–10:15 Introduction to microsurgery, reconstructive ladder, classification of flaps, perforator flaps
  Prof. Simone La Padula
- 10:15–10:45 Propeller and free-style flaps
  Prof. Fabrizio Schonauer
- 10:45–12:00 Techniques of vascular repair: nerves, vessels
  Prof. Simone La Padula

12:00–13:30
TECHNICAL TIPS: Avoiding complications and salvage techniques in reconstructive microsurgery.
Pre- and postoperative management of microvascular flaps.
Preparation of recipient vessels in head and neck, chest, abdomen, upper and lower limbs.
Prof. Simone La Padula

SECOND MODULE – Wednesday, 20/01/2027 from 09:30 to 13:30

HEAD AND NECK RECONSTRUCTION: flaps and techniques in comparison.

- 09:30–10:15 *Prof. Simone La Padula*
- 10:15–11:00 *Prof. Fabrizio Schonauer*
- 11:00–11:45 *Prof. Francesca Toia*
- 11:45–12:45 *Prof. Rossella Sgarzani*
- 12:45–13:30 *Dr. Sergio Razzano*
  Topics: ALT flap, fibula flap, radial flap, scapular and parascapular flaps, chimeric flaps, local flaps (FAMM, BAMF), etc.
- 13:30-13:50 *Dr. Sara Leuzzi* Microsurgical Tongue Reconstruction

THIRD MODULE – Wednesday, 27/01/2027 from 09:30 to 13:30

Autologous Breast Reconstruction – Part 1
DIEP flap techniques in comparison:

- 09:30–09:50 DIEP flap, anastomosis to internal mammary and IMAP vessels
  Prof. Simone La Padula
- 09:50–10:10 DIEP flap, mastering the technique
  Prof. Marzia Salgarello
- 10:10–10:30 Complex cases in autologous breast microsurgical reconstruction
  Dr. Luigi Troisi
- 10:30–11:00 Pedicled perforator flaps for the breast region (ICAP, LICAP, TDAP)
  Dr. Beniamino Brunetti
- 11:00–11:20 PAP flap in breast reconstruction
  Prof. Andrea Figus

Autologous Breast Reconstruction – Part 2

- 11:20–11:40 DIEP flap anastomosis in the axillary region
  Prof. Benedetto Longo
- 11:40–12:10 Breast cancer-related lymphedema: prevention and surgical treatment. Lymph node flaps and LINFODIEP technique
  Prof. Michele Maruccia, Prof. Rossella Elia
- 12:10–12:30 DIEP flap use in non-oncological cases
  Dr. Isidoro Musmarra
- 12:30–12:50 Microsurgical breast reconstruction: tips and tricks
  Prof. Pietro Di Summa
- 12:50–13:10 Free-style approach to dominant perforator selection in DIEP breast reconstruction
  Prof Michail Sorotos - Prof. Fabio Santanelli di Pompeo
- 13:10–13:30 Microsurgical breast reconstruction: how I do it
  Prof. Giuseppe Lombardo

FOURTH MODULE – Wednesday, 03/02/2027 from 09:30 to 13:30

- 09:30–10:45 Microsurgical reconstruction of the trunk with focus on sarcoma surgery
  Dr. Beniamino Brunetti
- 10:45–11:30 Replantation of digits and hand, microsurgical reconstruction of the upper limb and hand
  Prof. Mario Cherubino
- 11:30–12:45 *Dr. Luigi Troisi*
- 12:45–13:30 Nerve surgery and microsurgical treatment of scaphoid pseudoarthrosis
  Prof. Francesco Smeraglia

FIFTH MODULE – Wednesday, 10/02/2027 from 09:30 to 13:30

LOWER LIMBS AND ORTHOPLASTIC SURGERY

- 09:30–10:15 ALT flap for traumatic lower limb defects
  Prof. Simone La Padula
- 10:15–11:30 Orthoplastic surgery and fibula flap: harvesting technique and clinical cases
  Prof. Vittorio Ramella
- 11:30–12:45 Orthoplastic surgery and FREE MARIA technique (Free Tissue Transfer–Masquelet–Reamer-Irrigator-Aspirator Bone Graft Orthoplastic Approach for Lower Extremity Reconstruction)
  Prof. Michele Maruccia
- 12:45–13:30 Reconstruction of large leg defects with exposed fractures using free latissimus dorsi flap
  Prof. Corrado Rubino

SIXTH MODULE – Wednesday, 17/02/2027 from 09:30 to 13:30

- 09:30–10:10 Genital Reconstructive Surgery
  Prof. Simone La Padula and Prof. Barbara Hersant
- 10:10–10:30 Microsurgery of the lymphatics
  Dr. Corrado Campisi
- 10:30–10:50 *Dr. Giuseppe Visconti*
- 10:50–11:30 Facial paralysis surgery
  Prof. Emanuele Cigna

Face Transplantation

- 11:30–11:50 Introduction and Overview
  Prof. Simone La Padula
- 11:50–12:30 Preparation, Surgical Procedure, Multidisciplinary Team, Recommendations and Regulations
  Prof. Benedetto Longo
- 12:30–12:50 Introduction to the practical component: Vascular anatomy of the rat
  Dr. Annachiara Cavaliere
- 12:50–13:30 Practical sessions and practical exam: overview
  Prof. Simone La Padula

HANDS-ON PRACTICAL SESSIONS ON ANIMAL MODELS (RAT)
FROM JUNE 14 TO JUNE 25, 2027 – IN PERSON
PRACTICAL EXAM: JUNE 25, 2027 – IN PERSON
THESIS AND SCIENTIFIC ARTICLE DEFENSE: JUNE 28, 2027– IN PERSON

Held at the Biotechnology Center, U.O.C. Training, Research and International Cooperation, A.O.R.N. "A. Cardarelli" (Pavilion X, Via Antonio Cardarelli, 9 – 80131 Naples) from 08:30 to 16:00.

PRACTICAL TRAINING PROGRAM: Microscope use, knot tying on gauze, anastomoses on konnyaku shirataki, vascular repair techniques, end-to-end arterial and venous sutures, subrenal aorta anastomosis, carotid artery and external jugular vein anastomosis, femoral artery and vein anastomosis, end-to-end aorta to right iliac artery anastomosis, vascular grafts, jugular vein graft to aorta, epigastric vein graft to femoral artery, end-to-side anastomosis, vascular bypass, caudal artery anastomosis, kidney transplantation, free groin flap, free training.

June 14 – Monday: 08:15 Welcome and opening by the authorities.
Training: microscope use, knot tying on gauze, konnyaku shirataki anastomoses, end-to-end arterial and venous sutures, subrenal aorta anastomosis.

June 15 – Tuesday: Carotid artery and external jugular vein anastomosis

June 16 – Wednesday: Femoral artery and vein anastomosis, aorta to right iliac artery end-to-end anastomosis

June 17 – Thursday: Vascular grafts: jugular vein graft to aorta, epigastric vein graft to femoral artery

June 18 – Friday: End-to-side anastomosis, vascular bypass

June 21 – Monday: Kidney transplantation, renal vessel anastomoses (end-to-end and end-to-side), free training

June 22 – Tuesday: Microvascular groin flap anastomosed contralaterally to femoral and cervical vessels (carotid and jugular), free training

June 23 – Wednesday: Free training and exam preparation

June 24 – Thursday: Free training and exam preparation

June 25 – Friday: PRACTICAL EXAM

June 1, 2027 – Deadline for submission of thesis and scientific article

June 28, 2027 – Thesis and Scientific Article Defense

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