ADVANCED COURSE IN MICROSURGERY
8TH EDITION

In cooperation with
Italian Society of Microsurgery – S.I.M.
Chairperson: Pierluigi Tos

Italian Society of Surgery of the Hand – S.I.C.M.
Chairperson: Riccardo Luchetti

Italian Society of Plastic, Reconstructive and Aesthetic Surgery – S.I.C.P.R.E.
Chairperson: Fabrizio Malan

Naples, May 18th – November 20th, 2015
Center of Biotecnologies
“A.CARDARELLI” HOSPITAL
I SESSION MAY 18TH – 22TH, 2015

II SESSION SEPTEMBER 21TH – 25TH, 2015

III SESSION NOVEMBER 16TH – 20TH, 2015

http://www.corsomicrochirurgia.com
I DAY - MONDAY
11.00-11.30 Optical tools and surgical instruments. The ergonomics in surgery
11.30-16.00 Practice on ex-vivo material
16.00-16.15 Welcome of the Presidents of the Societies
16.15-16.30 Introduction to the course
16.30-17.00 Guidelines to animal experimentation
17.00-17.15 The comparative anatomy of the rat: identification of surgical repere points
17.15-17.30 Anaesthesia and analgesia

II DAY - TUESDAY
08.30-08.45 Dissection – suture techniques (video)
08.45-16.00 Practice on animal model: Termino-terminal suture of femoral artery
16.00-16.30 Briefing
16.30-17.15 Teaching in Microsurgery: the French experience of academic degrees
17.15-17.45 How to manage a Scientific Research - Thesis layout

III DAY WEDNESDAY
08.30-08.45 Dissection – suture techniques (video)
08.45-16.00 Practice on animal model: Termino-terminal suture of Femoral artery
16.00-16.30 Briefing
16.30-17.00 Murine experimental models of peripheral nervous system
**IV Day Thursday**

08.30-08.45  Dissection – suture techniques (video)
08.45-16.00  Practice on animal model:
              Posterior termino-lateral suture of femoral artery and vein
              Termino-terminal anastomosis of the carotid artery on the
              external jugular vein

16.00-16.30  Briefing
16.30-17.30  Clinical cases presentation

**V Day Friday**

08.30-08.45  Dissection – suture techniques (video)
08.45-16.00  Practice on animal model

16.00-16.30  Briefing
16.30-17.30  Clinical cases presentation
### II SESSION

#### I DAY MONDAY
<table>
<thead>
<tr>
<th>Time</th>
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<tr>
<td>08.30-08.45</td>
<td>Dissection – suture techniques (video)</td>
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<tr>
<td>08.45-13.00</td>
<td>Practice on animal model:</td>
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<tr>
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<td>Termino-terminal anastomosis of femoral artery and vein</td>
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<tr>
<td>13.00-16.00</td>
<td>Practice on animal model:</td>
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<td>Termino-terminal anastomosis of carotid and external jugular vein</td>
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<td>Graft of epigastric or femoral vein pro femoral artery</td>
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<td>13.00-16.00</td>
<td>Practice on animal model:</td>
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<td>Termino-lateral anastomosis of femoral vein on femoral artery</td>
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**IV Day Thursday**

08.30-08.45  Dissection – suture techniques (video)
08.45-13.00  Practice on animal model:
              Termino-terminal suture of femoral artery with graft of epigastric vein
13.00-16.00  Practice on animal model:
              Dissection and suture of infrarenal aorta
16.00-16.30  Briefing
16.30-17.30  Clinical cases presentation

**V Day Friday**

08.30-08.45  Dissection – suture techniques (video)
08.45-13.00  Practice on animal model
16.00-16.30  Briefing
16.30-17.30  Clinical cases presentation
### III SESSION

#### I DAY MONDAY
08.30-08.45  Dissection – suture techniques (video)
08.45-13.00  Practice on animal model:
Termino-terminal suture of inguinal groin on femoral vessels
13.00-16.00  Practice on animal model:
Termino-lateral anastomosis of carotid on jugular vein
16.00-16.30  Briefing
16.30-17.30  Clinical cases presentation

#### II DAY TUESDAY
08.30-08.45  Dissection – suture techniques (video)
08.45-13.00  Practice on animal model:
Inguinal patch with termino-lateral suture transferred to the opposite side or to the neck
13.00-16.00  Practice on animal model:
Dissection and suture of the infrarenal aorta or inguinal patch
16.00-16.30  Briefing
16.30-17.30  Clinical cases presentation
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### V DAY FRIDAY

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<tr>
<td>08.30-14.30</td>
<td>Final examination (two practice tests)</td>
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<tr>
<td>15.30-16.00</td>
<td>Written exam (multiple choice questionnaire)</td>
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<td>16.00-18.00</td>
<td>Discussion of the written test and Power Point thesis presentation (5 to 10 minutes)</td>
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The course, lasting 15 days, is characterized by theoretical and practical lessons on animal models for a total of 137 hours. The proposed didactic path can be modified according to the learning curve of each participant. Practice on anesthetized rat will be performed in the operating room under the guide of tutors. The utilization of rats as animal model has been made possible thanks to the specific ministerial authorization in derogation of the art. N°8 - 116/92 Law regarding the “animal use for training purposes” n. 113/2008-C. The course is open to 18 Italian surgeons members of SICM-SIM-SICPRE societies interested in vascular and nervous microsurgical techniques and to 2 foreigner surgeons. Participants must provide basic instruments (2 microsurgery forceps n. 3 and n. 5 and a pair of microsurgery scissors), sutures (9/0, 10/0, 11/0) and approximators to be added to the one provided by the organization. Every participant will be equipped with one kit of microsurgical instruments and with defined number of microsurgical sutures (excess sutures will be at the expense of the participant). If participants need to use instruments or sutures different from supplied kit they have to equip themselves.
**Scientific Coordinators**

Pierluigi Tos  
Chairperson of the Italian Society of Microsurgery - S.I.M.

Fabrizio Malan  
Chairperson of the Italian Society of Plastic, Reconstructive and Aesthetic Surgery - S.I.C.P.R.E.

Riccardo Luchetti  
Chairperson of the Italian Society of Surgery of the Hand - S.I.C.M.

Santolo Cozzolino  
Coordinator Center of Biotechnologies “A. Cardarelli” Hospital – Naples

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**Scientific Committee**

**Course Coordinators**

Ignazio Marcoccio  
Italian Society of Microsurgery

Antonio Apolito  
A.O.R.N. “A. Cardarelli” - Naples

Francesco Croce  
A.O.R.N. Ospedale dei Colli - Naples

Francesco D’Andrea  
Italian Society of Plastic, Reconstructive and Aesthetic Surgery

Guglielmo Lanni  
Italian Society of Surgery of the Hand

Alessia Pagnotta  
Italian Society of Microsurgery
TEACHERS - TUTORS

Baccarani Alessio, Modena
Baldrighi Carla, Firenze
Baraziol Roberto, Udine
Baronetti Marco, Lecce
Bedogni Alberto, Verona
Bellan Monia, Cremona
Berto Giorgio Matteo, Milano
Braghiroli Luca, Terni
Boux Elena, Torino
Castaldo Sigismondo, Napoli
Cherubino Mario, Varese
Ciclamini Davide, Torino
Colzani Giulia, Torino
Cortese Paolo, Milano
De Vitis Rocco, Roma
D’Arpa Salvatore, Palermo
Delia Gabriele, Messina
Felici Nicola, Roma
Fonzone Caccese Armando, Napoli
Fraccalanza Eugenio, Udine
Frontero Laura, Milano
Giesen Thomas, Zurigo
Grammatica Alberto, Brescia
Grella Roberto, Napoli
Guzzini Matteo, Roma
Lancerotto Luca, Padova

Lazzaro Lara, Udine
Maggiulli Francesca, Varese
Malzone Gerardo, Londra
Marcocci Ignazio, Brescia
Morandini Eleonora, Verona
Mocci Luigi Stefano, Napoli
Molteni Gabriele, Modena
Novelli Chiara Milano
Pagnotta Alessia, Roma
Pamelin Emanuele, Savona
Panero Bernardino, Torino
Pangrazi Pier Paolo, Ancona
Penco Sara, Genova
Pivato Giorgio, Milano
Poggetti Andrea, Pisa
Pugliese Pierfrancesco, Torino
Rauso Raffaele, Napoli
Rossello Carlo, Savona
Russomando Antonia, Modena
Santorelli Adriano, Napoli
Sartore Leonardo, Como
Spingardi Ombretta, Savona
Taglieri Elena, Roma
Tamborini Federico, Milano
Tos Pierluigi, Torino

EXTERNAL CONSULTANTS

Geuna Stefano, Torino
Ghanem Ali – Londra
Talal Dashti, Kuwait
Legagneux Josette, Parigi
Yelena Akelina – New York
**HOW TO REACH US**

**Underground**

**Line 1** – Direction Piscinola and/or Dante – Policlinico Stop, to cross the street use the underground passage and enter in Cardarelli Hospital (gate V6), turn right, walk the street and after I building on your right there is the entrance gate of X Building– Center of Biotechnologies.

**Line 2** - Direction Pozzuoli and/or Garibaldi - Piazza Cavour Stop, change the metro taking the underground passage and take the metro line 1 (Direction Piscinola) – Policlinico Stop, use the underground passage to cross the street and enter Cardarelli Hospital (gate V6), turn right, walk the street and after I building on your right there is the entrance gate of X Building– Center of Biotechnologies.

**By Car:**
From the high-way, go on towards the Tangenziale of Naples and take the exit “Zona Ospedaliera”, then follow the indication for Cardarelli.
After the exit, on the right side, you’ll find gate 3 admittance to the Hospital. Follow indications on the map and drive to entrance gate X- Building– Center of Biotechnologies.

**Airport**
The most comfortable way to reach “Cardarelli” Hospital from the airport is by taxi, since there is no direct connection from the airport.

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**SCUOLA MEDICA OSPEDALIERA DELLA CAMPANIA**

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email: biotecnologie@aocardarelli.it