

# NEUROVASCULAR MICROSURGICAL COURSE

## Aneurysms Clipping and Vascular anastomosis on Synthetic and Placenta Models

*Directors: Christian Cossandi, Federico Griva*

14,3 ECM  
credits



*N°7 microsurgical workstations  
N°14 participants + N°10 observers (Residents PGY-V and Neurosurgeons)*

**FOR INFO AND REGISTRATION: [CONGRESS@H2OSRL.ORG](mailto:CONGRESS@H2OSRL.ORG)**

**WEDNESDAY, 17<sup>th</sup> - THURSDAY, 18<sup>th</sup> APRIL 2024**

**COURSE VENUE:**



**SIMNOVA**  
Novara Simulation Center  
Università del Piemonte Orientale  
Via Bernardino Lanino 1 -  
28100 Novara

**CME PROVIDER:**



**H2O SRL**  
CME Provider ID 6227  
via Sibilla Mertens 31-27  
16131 Genova  
[www.h2osrl.org](http://www.h2osrl.org)

## SCIENTIFIC DIRECTORS

**Christian Cossandi – Federico Griva**

## SCIENTIFIC SECRETARIAT

**Emanuela Crobeddu – Mattia Del Maestro – Alessandro Narducci**

## FACULTY

**Francesco Acerbi** – Milano

**Alessio Albanese** – Roma

**Carlo Bortolotti** – Bologna

**Christian Cossandi** – Novara

**Emanuela Crobeddu** – Novara

**Francesco Della Corte** – Novara

**Mattia Del Maestro** – Novara

**Marco Fontanella** – Brescia

**Diego Garbossa** – Torino

**Federico Griva** – Torino

**Andrea Lanterna** – Bergamo

**Alessandro Narducci** – Torino

**Serena Tola** – Firenze

## INTERNATIONAL GUESTS

**Giuseppe Lanzino** – Rochester

**Muhammad Kusdiansah** – Jakarta

**Vicent Quilis-Quesada** – Valencia

*(webinars)*

## COURSE DESCRIPTION

The wide range of modalities available today for the treatment of cerebral aneurysms places the clinical neurosurgeon in front of a decision-making process, shared with the "neuro vascular team" and with the patient, which needs constantly evolving knowledge.

The vascular neurosurgeon is now called to deal with a lower number of cases of cerebral aneurysm than in previous decades, but more complex and for which microsurgery sometimes represents the best therapeutic option. The clipping of a cerebral aneurysm requires a deep knowledge of the anatomy as well as excellent surgical skills. In a time where a substantial number of aneurysms is treated by endovascular methods, it becomes more challenging to gain and to improve the surgical skills necessary to clip an aneurysm.

The idea of this Course comes out of the necessity to find new ways to train Young Neurosurgeons in vascular pathologies. Therefore hands-on training on surgical models becomes even more important to learn the safe application of clips and to perform by-passes.

This course will provide a great opportunity to get both theoretical knowledge and practical training on the safe application of clips and to perform a by-pass. Innovative surgical models such as perfused placentas will be used to train the microdissection of vessels, of arachnoid, the safe clip application in a very realistic way and the execution of by-pass.

The continuous exchange of experiences, the discussion of cases and surgical videos, the specific microsurgical training together with permanent "training" paths on laboratory preparations, represent the virtuous path through which to train the new generation of vascular neurosurgeons.

WEDNESDAY, 17<sup>TH</sup> APRIL 2024

10.00 - 10.15 am	Registration of Participants and Welcome Coffee
10.15 - 10.30 am	Introduction C. Cossandi, F. Griva and Authority
10.30 - 11.00 am	Microsurgical anatomy of supratentorial cisterns M. Fontanella
11.00 - 11.30 am	<b>Webinar</b> "Microsurgical anatomy of anterior circulation" V. Quilis-Quesada
11.30 - 12.00 am	Vascular microsurgical training C. Bortolotti
12.00 - 12.30 pm	Dye-perfused human placenta model for vascular microsurgical training M. Del Maestro
12.30 - 1.00 pm	Clipping on placenta model E. Crobeddu
1.00 - 1.15 pm	Discussion
1.15 - 2.00 pm	Light lunch
2.00 - 4.00 pm	<b>Lab Activities</b> Dissection of placental vessel and aneurysm; clipping techniques
4.00 - 4.30 pm	<b>Webinar</b> "Rules and techniques for safe clipping" G. Lanzino
4.30 - 6.00 pm	<b>Lab Activities</b> Dissection of placental vessel and aneurysm; clipping techniques
8.30 pm	Dinner (participants and faculty)

## THURSDAY, 18<sup>TH</sup> APRIL 2024

8.30 - 9.00 am	By-pass application in Neurosurgery F. Acerbi
9.00 - 09.30 am	Vascular anastomosis techniques A. Albanese
9.30 - 10.00 am	By-pass: clinical cases A. Lanterna
10.00 - 10.20 am	Techniques for anastomosis training on synthetic models E. Crobeddu
10.20 - 10.40 am	Techniques for anastomosis training on placenta models M. Del Maestro
10.40 - 10.50 am	Discussion
10.50 - 11.00 am	Coffee break
11.00 - 1.00 pm	<b>Lab Activities</b> 11.00 - 11.30 Micro-suture on gauze 11.30 - 12.00 Micro-suture on plastic glove model 12.00 - 1.00 Micro-anastomosis on Silastic tube
1.00 - 2.00 pm	Light Lunch
2.00 - 3.45 pm	<b>Lab Activities</b> Dissection of placental vessel; end-to-end; end-to-side and side-to-side anastomosis
3.45 - 4.00 pm	<b>Webinar</b> “Training for young vascular neurosurgeons” M. Kusdiansah
4.00 - 4.30 pm	Coffee break
4.30 - 6.00 pm	<b>Lab Activities</b> Dissection of placental vessel; end-to-end; end-to-side and side-to-side anastomosis
6.00 - 6.30 pm	CME test and final consideration
6.30 pm	Closure

### CERTIFICATE OF ATTENDANCE

Participants and observers will receive a certificate of attendance at the end of the course.

### CME ACCREDITATION

The course will be **accredited** by the Italian Health Ministry Commission for Continuous Medical Education (CME) credits.

### DINNER

The dinner of the course is planned for the evening of Wednesday 17th April in Novara.

### LANGUAGE OF THE COURSE

The official language of the course is Italian.

### PARTICIPANT REGISTRATION FEE

The registration fee for participant\* is € 650,00 and includes:

- Participation in all scientific sessions (lab activities)
- Light lunches and coffee breaks
- Dinner
- Accommodation
- CME credits
- Italian VAT

\* maximum 14 participants

### OBSERVER REGISTRATION FEE

The registration fee for observer\* is € 250,00 and includes:

- Participation in all scientific sessions (as observer)
- Light lunches and coffee breaks
- Dinner
- Accommodation
- CME credits
- Italian VAT

\* maximum 10 observers

### CME PROVIDER AND SECRETARIAT

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**NON CONDITIONING CONTRIBUTIONS**