

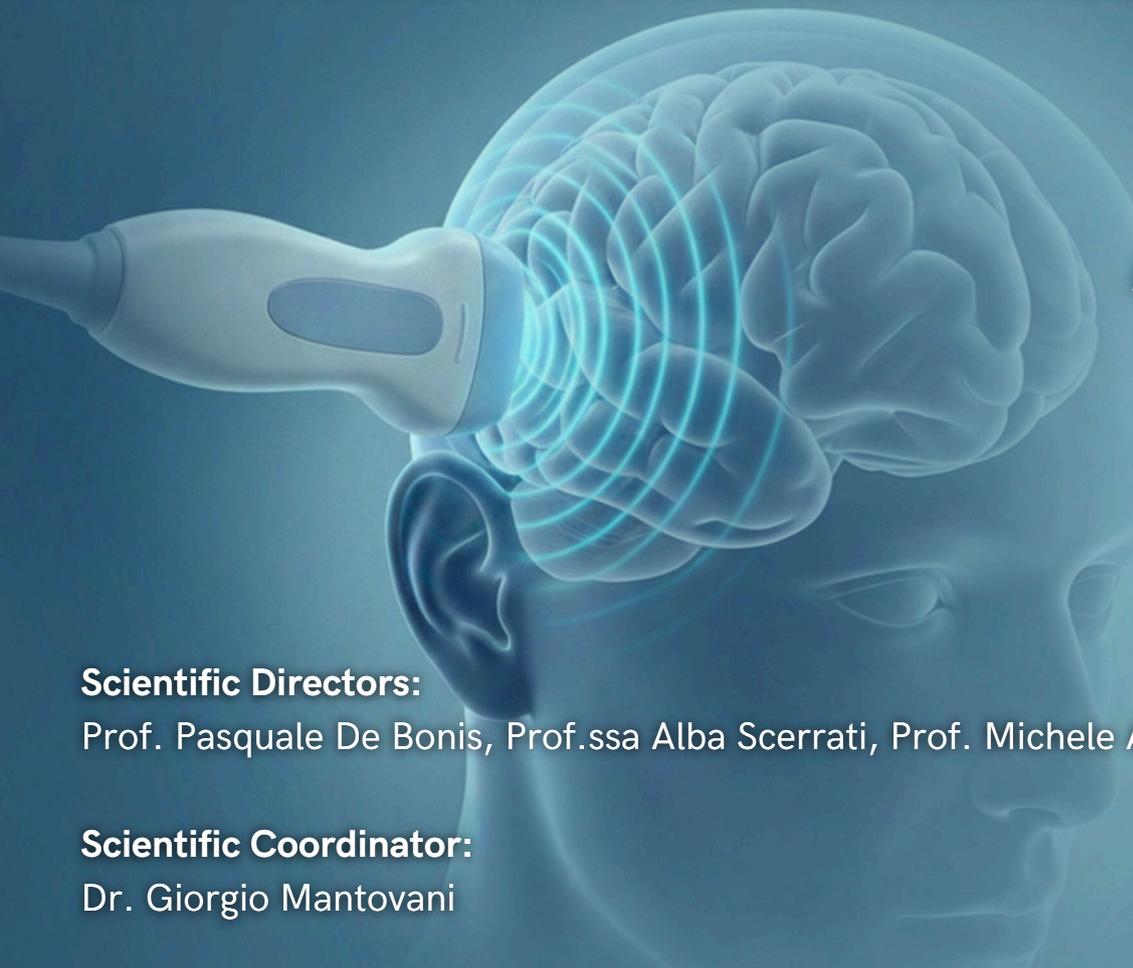


Dipartimento
di Medicina Traslazionale
e per la Romagna



SERVIZIO SANITARIO REGIONALE
EMILIA-ROMAGNA
Azienda Ospedaliero - Universitaria di Ferrara

CEREBRAL, SPINAL AND PERIPHERAL NERVES ULTRASOUND RESIDENTIAL COURSE: BY YOUNG FOR YOUNG NEUROSURGEONS



APRIL
9th - 10th
2026

Scientific Directors:

Prof. Pasquale De Bonis, Prof.ssa Alba Scerrati, Prof. Michele A. Cavallo

Scientific Coordinator:

Dr. Giorgio Mantovani

Scientific Committee:

Prof. Michele A. Cavallo, *University of Ferrara - University Hospital Sant'Anna of Ferrara*

Prof. Pasquale De Bonis, *University of Ferrara - University Hospital Sant'Anna of Ferrara*

Dr.ssa Marta Lucchetta, *Santa Maria della Misericordia Hospital of Rovigo*

Dr. Giorgio Mantovani, *University of Ferrara - University Hospital Sant'Anna of Ferrara*

Dr.ssa Grazia Menna, *University Hospital Agostino Gemelli of Rome*

Prof. Luca Ricciardi, *Sapienza University - Sant'Andrea Hospital of Rome*

Prof.ssa Alba Scerrati, *University of Ferrara - University Hospital Sant'Anna of Ferrara*

Dr.ssa Teresa Somma, *University of Naples Federico II*

Prof. Gianluca Trevisi, *G. D'Annunzio University Chieti-Pescara - Hospital Spirito Santo, Pescara*

Prof. Paolo Zamboni, *University of Ferrara - University Hospital Sant'Anna of Ferrara*

Description

This two-day course is aimed at Neurosurgery trainees, young Consultants and Clinical fellows. It will provide the essential skills to perform and interpret Cerebral, Spinal and Peripheral nerves Ultrasound in different procedural settings.

The course will cover:

- The use of the ultrasound machine, normal cerebral anatomy, standard and supplemental views.
- Normal and abnormal brain findings
- Cerebral tumors
- Cerebrovascular diseases
- Spinal tumors
- Post decompressive craniectomy evaluation
- Anatomy of the neck vessels
- Peripheral nerves diseases
- Transcranial Doppler

Lectures by local and invited speakers will be complemented with practical workshops.

Venue: Nuovo Polo Didattico di Cona, Ferrara (FE), Via Aldo Moro 22, Ferrara 44124 (FE)

N° of participants: 12

Costs: the course is free. Participants will have to arrange for accommodation.

Application form: <https://forms.gle/Sk44vXjCqYbaapDy9>

For further **information** please email: giorgi01.mantovani@edu.unife.it

Scientific Program

April 9th

Time	Topic	Lecturer
13:30	Registration	
14:00 – 14:10	Welcome and Introduction	Prof. De Bonis Prof.ssa Scerrati
14:10 – 14:20	Ultrasonography and Neurosurgical Applications: State of the Art	Prof.ssa Scerrati
14:20 – 14:30	Use of the Ultrasound Machine and Understanding of the Function of the Controls and Probes	Dr. Mantovani
14:30 – 15:00	Ultrasound for Peripheral Nerves Diseases	Dr.ssa Lucchetta
15:00 – 16:15	Practice Session – PERIPHERAL NERVES (5 participants/group)	

16:15 – 16:30	Coffee Break	
16:30 – 16:50	Intraoperative Ultrasound in Cerebral Tumors and the Use of CEUS	Dr.ssa Menna
16:50 – 17:10	Neuronavigated Ultrasound	Dr.ssa Menna
17:10 – 17:40	Group Discussions of Clinical Cases – ONCOLOGY (5 participants/group)	
17:40 – 18:00	Intraoperative Ultrasound in Emergency	Prof. Trevisi
18:00 – 18:20	Cerebrovascular Malformations: Cavernous Angiomas, Aneurysms, AVMs	Prof. Trevisi

April 10th

Time	Topic	Lecturer
9:00 – 9:30	Interventional Spinal Procedures	Prof. De Bonis
9:30 – 9:50	Intraoperative Ultrasound in Spinal Tumors and Vascular Malformations	Dr. Ricciardi
9:50 – 11:20	Practice Session – SPINAL (5 participants/group)	
11:20 – 11:30	Coffee Break	
11:30 – 11:50	Ultrasound in Decompressive Craniectomy	Prof. De Bonis
11:50 – 12:10	Ultrasound for Neck Vessels Evaluation	Prof. Zamboni
12:10 – 12:30	Transcranial Doppler	Dr.ssa Somma
12:30 – 13:30	Group Discussions of Clinical Cases – DECOMPRESSIVE CRANIECTOMY/NECK VESSELS/DOPPLER (5 participants/group)	
13:30 – 13:40	Final Considerations	Prof. De Bonis Prof.ssa Scerrati