

# XIX COURSE OF APPLIED MICRONEUROSURGERY

## Neurosurgical approaches and variations:

Pterional Approach • FTOZ • Supraorbital Approach • Retrosigmoid Approach  
Posterolateral Approach: Indications and Technique  
Endoscope Assisted Microneurosurgery

## HANDS-ON COURSE

February 22-24, 2018 | Pieve Emanuele, Milan

With the patronage of:



Skull Base Committee

## GENERAL INFORMATION

The course is limited to **13 hands-on participants** as well as 6 observers and reserved to Neurosurgeons and resident in Neurosurgery of the 4<sup>th</sup> – 5<sup>th</sup> year.

**7 workstations** will be set, each of one with a Tutor assigned and all equipped with one injected specimen, Mayfield headrest, surgical instruments, irrigation and suction systems, microscope, endoscope and monitor.

Participants will be divided two per workstation and will work together throughout the course. Hands-on sessions will be guided by video projection and/or live demonstration of dissection steps commented by the teachers. Observers will have access to the theoretical sessions and will be deployed one for workstation in the **Anatomy Lab** to watch dissections.

Participants are invited to prepare clinical cases.

**The best ones will be selected by the Scientific Committee and discussed in class on February 24, 2017.**

## SCIENTIFIC DIRECTORS

Maurizio Fornari, *Milan*  
Renato Galzio, *Pavia*  
Franco Servadei, *Milan*

## COURSE COORDINATORS

Andrea Cardia, *Milan*  
Alessandro Ricci, *L'Aquila*

## FACULTY

Vladimir Beneš, <i>Prague</i>	Sebastian Froelich, <i>Paris</i>
Helmut Bertalanffy, <i>Hannover</i>	Josè Alberto Landeiro, <i>Rio de Janeiro</i>
Paolo Cappabianca, <i>Naples</i>	Giovanni Battista Lasio, <i>Milan</i>
Roberto Delfini, <i>Rome</i>	Vincenzo Paternò, <i>Hannover</i>
Francesco DiMeco, <i>Milan</i>	Paolo Perrini, <i>Pisa</i>
Alessandro Ducati, <i>Turin</i>	Luca Regli, <i>Zurich</i>
Giuseppe Esposito, <i>Zurich</i>	Antonio Santoro, <i>Rome</i>
Paolo Ferroli, <i>Milan</i>	JieTang, <i>Beijing</i>
Marco Fontanella, <i>Brescia</i>	Manfred Tschabitscher, <i>Vienna</i>

## TUTORS

Delia Cannizzaro, *Milan*  
Mattia Del Maestro, *Pavia*  
Davide Milani, *Milan*  
Federico Nicolosi, *Milan*

1<sup>st</sup> DAY**THURSDAY FEBRUARY 22**MODERATORS: *F. Servadei - M. Fontanella*

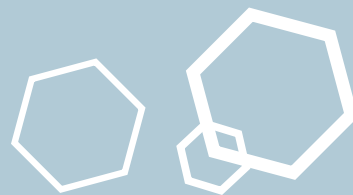
- 12.00-12.30 **Light Lunch and registration of the participants.**
- 12.30-12.40 Introduction to the course and presentation of the topics. (*F. Servadei - R. Galzio*)
- 12.40-13.00 From virtual reality to simulation: new training paradigms for neurosurgeons of the 3rd millennium. (*F. DiMeco*)
- 13.00-13.20 Pterional approach: indications and technique. (*R. Galzio*)
- 13.20-13.40 Extra and intra-dural clinoidectomy. (*J.A. Landeiro*)
- 13.40-14.00 The Dolenc Approach: technique and application in various intracranial lesions. (*H. Bertalanffy*)
- 14.00-14.20 Minipterional and lateral-supraorbital approach: indications and technique. (*L. Regli*)
- 14.20-14.50 Indications to endoscopic approaches to the anterior skull base; different experiences. (*G.B. Lasio - P. Cappabianca*)
- 14.50-15.10 Video demonstration: pterional approach. (*A. Ricci - A. Cardia*)
- 15.10-17.00 **HANDS ON:** pterional approach.
- 17.00-17.20 Live demonstration: clinoidectomy. (*J.A. Landeiro*)
- 17.20-18.40 **HANDS ON:** clinoidectomy.
- 18.40-19.00 Live demonstration: lateral supraorbital approach. (*L. Regli*)

2<sup>nd</sup> DAY**FRIDAY FEBRUARY 23**MODERATORS: *R. Delfini - J. Tang*

- 08.00-08.20 Endoscopic anatomy of the anterior and middle skull base cisterns. (*M. Tschabitscher*)
- 08.20-08.40 Endoscope-assisted microneurosurgery: indications and technique. (*R. Galzio*)
- 08.40-09.00 Fronto-temporo-orbito-zygomatic approach: indications and technique. (*R. Delfini - A. Santoro*)
- 09.00-09.20 Video demonstration: fronto-temporo-orbito-zygomatic approach. (*R. Galzio - A. Ricci*)
- 09.20-12.40 **HANDS ON:** fronto-temporo-orbito-zygomatic approach.
- 12.40-13.00 Live demonstration: the Dolenc approach. (*H. Bertalanffy*)
- 13.00-14.00 **Light Lunch.**
- 14.00-14.20 Suboccipital approach: indications and technique. (*A. Ducati*)
- 14.20-14.40 Surgical approaches to the pineal region. (*V. Beneš*)
- 14.40-15.00 Retrosigmoid approach: indications and technique. (*J. Tang*)
- 15.00-15.20 Endoscopic anatomy of the posterior cranial fossa cisterns. (*M. Tschabitscher*)
- 15.20-15.40 Live demonstration: retrosigmoid approach. (*J. Tang*)
- 15.40-17.40 **HANDS ON:** retrosigmoid approach.
- 17.40-18.00 Live demonstration: supracerebellar infratentorial approach. (*V. Beneš*)
- 18.00-19.00 Workshop of cranial endoscopy. (*M. Tschabitscher*)

3<sup>rd</sup> DAY**SATURDAY FEBRUARY 24**MODERATORS: *M. Fornari - S. Froelich*

- 08.00-08.20 Surgical approaches to the CVJ: indications and technique. (*R. Galzio*)
- 08.20-08.40 Anterior approaches to the CVJ tumors. (*M. Fornari*)
- 08.40-09.00 Anterolateral approach to the CVJ. (*S. Froelich*)
- 09.00-09.20 Live demonstration: anterolateral approach. (*S. Froelich*)
- 09.20-09.40 Video demonstration: posterolateral approach. (*A. Ricci - A. Cardia*)
- 10.00-13.30 **HANDS ON:** posterolateral approach.
- 13.30-14.30 **Light lunch.**
- 14.30-16.00 Clinical cases.
- 16.00 Closing.



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## ORGANIZING SECRETARIAT

Luzzatto Simulation Center – Humanitas University  
Ms. Camilla +39 339 109 7110  
[microneurosurgery@hunimed.eu](mailto:microneurosurgery@hunimed.eu)

## COURSE VENUE

Mario Luzzatto Simulation Center – Humanitas University  
Via Rita Levi Montalcini 4  
20090 - Pieve Emanuele (Milano) – Italy



## REGISTRATION

You are kindly requested to fill the Registration Form up and send it via e-mail to the Organizing Secretariat at [microneurosurgery@hunimed.eu](mailto:microneurosurgery@hunimed.eu) along with a short CV in European format. Other types of registration will not be considered.

### REGISTRATION FEE

- Hands-on full registration: 1.500,00€ VAT Included
- Observer: 650,00€ VAT Included

### REGISTRATION FEES INCLUDES

- Course kit
- Accommodation in Hotel 4\*  
from 22nd to 24th of February, 2018
- Open coffee
- N. 3 Lunches
- N. 2 Social Dinners
- Didactic material
- CME accreditation
- Certificate of attendance