REGISTRATION FEES

	Regular	Reduced fee for GOS, SIB, SIO, IAR, ERS
SPECIALISTS	1850€	1650€
OBSERVERS	500€	-
SPECIALISTS (Only lectures)	150€	110€
RESIDENTS (Only lectures)	100€	70€

CANCELLATION POLICY

Cancellations received by January 29th, 2027: 75% refund
Cancellations received after January 29th, 2027: no refund

REGISTRATION

To participate in the course, users are required to register at the following link:

https://anatomx.com/prodotto/advanced-hands-on-masterclass-2-0/

The registration fee includes: Nr. 1 dinner, catering service during the course, surgical and educational material, nr. 1 specimen (every two attendees), attendance certificate, insurance. In case of rescheduling or cancellation of the course due to reasons attributable to Hinovia and/or AnatomX, participants will be entitled to a refund of the registration fee should they not accept the newly proposed date.

As for travel and accommodation expenses:
Only and exclusively the costs related to travel or accommodation arrangements issued directly by Hinovia on behalf of AnatomX will be refunded in full.
Any travel or accommodation expenses independently arranged by the participants will not be reimbursed by Hinovia for AnatomX. Participants are therefore strongly advised to take out an insurance policy that covers such costs in the event of changes or cancellation of the event.

ITALIAN CME ACCREDITATION

The training event will be accredited (**32,6 italian CME credits**)
for the following medical specialties:
Neurosurgery, Maxillofacial Surgery, Otorhinolaryngology

EDUCATIONAL OBJECTIVE

Technical and professional contents (knowledge and skills) specific to each profession, each specialty, and each subspecialty activity, including rare diseases and gender medicine.

EVENT VENUE

AnatomX by IRCCS MultiMedica,
Via Gaudenzio Fantoli, 16/15 20138 Milan

Provider, technological and scientific partner

Silvia Lazzaron
M. +39 389 6551079 - silvia.lazzaron@hinovia.com
ID Provider: 1307

2.0

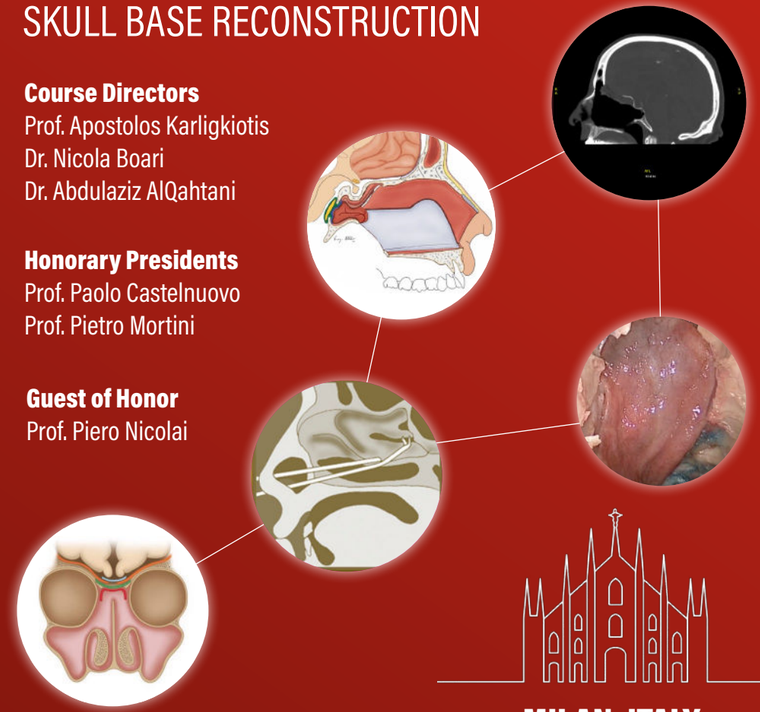
ADVANCED HANDS-ON MASTERCLASS

ON CSF-LEAKS AND ENDOSCOPIC SKULL BASE RECONSTRUCTION

Course Directors
Prof. Apostolos Karligkiotis
Dr. Nicola Boari
Dr. Abdulaziz AlQahtani

Honorary Presidents
Prof. Paolo Castelnuovo
Prof. Pietro Mortini

Guest of Honor
Prof. Piero Nicolai



MILAN, ITALY
22-24 March, 2027

SCIENTIFIC RATIONALE

Skull base surgery represents one of the most challenging areas within rhinology and neurosurgery, where surgical precision, anatomical knowledge, and reconstructive skills are crucial to patient safety and outcomes. Among these procedures, cerebrospinal fluid (CSF) leak repair is particularly demanding, as it requires mastery of complex anatomical corridors, appropriate graft and flap selection, and the ability to achieve reliable watertight closures.

Despite its importance, exposure to real CSF leak cases during training remains limited, and the steep learning curve of endoscopic skull base reconstruction can increase operative risks when performed without adequate preparation. Simulation models and cadaveric dissection therefore play a pivotal role in bridging this educational gap, offering a safe environment for surgeons to acquire and refine the necessary technical skills before translating them into clinical practice.

This advanced hands-on international masterclass in Milan is designed to provide participants with comprehensive training in endoscopic management of CSF leaks and skull base defects. Through a combination of focused lectures, expert-led discussions, and step-by-step cadaveric dissections, attendees will gain in-depth knowledge of sinonasal and skull base anatomy, principles of reconstruction, and the use of grafts, flaps, and innovative techniques such as the gasket seal approach. A distinctive feature of the course is the use of a validated cadaveric perfusion model that realistically simulates CSF leaks, allowing participants to practice under conditions closely resembling live surgery.

By the end of the three-day program, participants will have developed enhanced surgical confidence and competence in endoscopic skull base reconstruction, equipping them with the skills required to face real clinical challenges with greater safety and efficacy.

We look forward to welcoming you in Milan for this unique educational experience in March 2027!

FACULTY

Shawkat Abdulrahman - Dublin
Remo Accorona - Milan
Abdulaziz AlQahtani - Ryad
Alberto Arosio - Varese
Muaid Baban - Sulaymaniyah
Michele Bailo - Milan
Francesco Bandi - Milan
Paolo Battaglia - Como
Maurizio Bignami - Varese
Nicola Boari - Milan
Gulpembe Bozkurt - Istanbul
Frank Rikki Canevari - Genoa
Paolo Castelnuovo - Milan
Gianluca Dalfino - Varese
Giulia Dané - Milan
Francesco Doglietto - Rome
Christos Georgalas - Athens
Giorgos Giourgos - Bergamo
Apostolos Karligkiotis - Milan
Alessia Lambertoni - Varese
Federico Leone - Milan
Davide Mattavelli - Brescia
Diego Mazzatenta - Bologna
Niccolò Mevio - Milan
Pietro Mortini - Milan
Francesco Mozzanica - Milan
Piero Nicolai - Padua
Gianluca Nocera - Milan
Andrea Pistochini - Varese
Andrea Preti - Milan
Vittorio Rampinelli - Brescia
Federico Russo - Como
Alberto Schreiber - Manerbio (BS)
Domenico Solari - Naples
Alfio Spina - Milan
Luca Spirito - Florence
Mario Turri-Zanoni - Como
Marco Valentin - Como
Alessandro Vinciguerra - Como
Luca Volpi - Varese
Jacopo Zocchi - Milan
Cesare Zoia - Gravedona (CO)

SCIENTIFIC PROGRAM — March 22, 2027

08:00 – 08:15 Registration of participants

08:15 – 10:45 **Lectures:**
- Paranasal Sinuses Endoscopic Anatomy
- Skull Base Endoscopic Anatomy: ENT perspective
- Skull Base Anatomy from above: Neurosurgeon's perspective
- Radiological Diagnosis of CSF-leak
- Physiology of CSF circulation
- Laboratory tests and the role of fluorescein in CSF-leaks
- Management of idiopathic intracranial hypertension
- Spontaneous CSF-leaks

Q&A's Discussion

10:45 – 11:00 Coffee Break

11:00 - 13.00 **Lectures:**
- Grafts in Skull Base reconstruction
- Flaps in Skull Base reconstruction
- Allogenic materials
- External approaches for skull base reconstruction
- CSF-leaks in children
- Role of lumbar drains
- Post-operative care and instructions
- Complications in Skull Base reconstruction

Q&A's Discussion

13:00 – 14:00 Light Lunch

14:00 – 15:30 **Live-guided step-by-step dissection**
- Endoscopic sinus surgery: identification of main surgical landmarks
- Paraseptal sphenoidotomy and rescue flap harvesting
- Anterior sinus compartments: uncinectomy, middle meatus antrostomy, anterior ethmoidectomy and Draf type I frontal sinusotomy

15:30 – 18:00 **Live-guided step-by-step dissection**
- Identification of sphenopalatine artery complex
- Posterior ethmoidectomy and transethmoid sphenoidotomy
- Frontal sinusotomy Draf type IIa
- Nasoseptal flap harvesting
- Inferior turbinate flap harvesting

SCIENTIFIC PROGRAM — March 23, 2027

08:00 – 10:00 **Live-guided step-by-step dissection**
- Middle turbinate graft harvesting
- Cribriform plate reconstructive techniques (single layer overlay graft)
- Ethmoidal roof reconstructive techniques (multilayer grafts)

10:00 – 13:00 **Live-guided step-by-step dissection**
- Transnasal endoscopic approach to the sella
- Sellar defect reconstructive techniques (multilayer grafts and flap)

13:00 – 14:00 Light Lunch

14:00 – 16:00 **Live-guided step-by-step dissection**
- Transnasal endoscopic approach to tuberculum sellae and planum
- Gasket seal technique (multilayer grafts and flap)

16:00 – 18:00 **Live-guided step-by-step dissection**
- Draf type III and anterior transnasal craniectomy
- Pericranial flap harvestin

SCIENTIFIC PROGRAM — March 24, 2027

08:00 – 10:30 **Live-guided step-by-step dissection**
- Frontal Mailbox Slot for pericranial flap
- Anterior skull base reconstruction

10:30 – 13:00 **Live-guided step-by-step dissection**
- Medial maxillectomy and infratemporal fossa corridor
- Temporoparietal fascial flap harvesting

13:00 – 14:00 Light Lunch

14:00 – 16:00 **Live-guided step-by-step dissection**
- Endonasal transposition via a temporal-infratemporal tunnel

16:00 – 18:00 **Live-guided step-by-step dissection**
- Side door temporoparietal fascial flap

18:00 Closing remarks