

# FACULTY

## COURSE DIRECTORS

- **MARCO FONTANELLA**  
Neurosurgery
- **PIERO NICOLAI**  
Otorhinolaryngology
- **CESARE PIAZZA**  
Otorhinolaryngology
- **RITA REZZANI**  
Anatomy

## FACULTY

- **MAURIZIO BIGNAMI** – Como
- **ANTONIO BIROLI** – Brescia
- **ANDREA BIZZONI** – Bergamo
- **ANDREA BOLZONI VILLARET** – Brescia
- **BARBARA BUFFOLI** - Brescia
- **FRANK RIKKI CANEVARI** - Genova
- **ALBERTO DEGANELLO** – Brescia
- **FRANCESCO DOGLIETTO** – Brescia
- **ENZO EMANUELLI** – Treviso
- **MARCO FERRARI** – Padova
- **ALESSANDRO FIORINDI** – Brescia
- **APOSTOLOS KARLIGKIOTIS** - Varese
- **ROBERTO MAROLDI** – Brescia
- **DAVIDE MATTAVELLI** – Brescia
- **PIERO NICOLAI** – Padova
- **ALESSANDRO PUSATERI** – Bergamo
- **VITTORIO RAMPINELLI** – Brescia
- **MARIO RIGANTE** - Roma
- **ALBERTO SCHREIBER** – Brescia
- **MARIO TURRI ZANONI** – Varese

## TUTORS

- **REMO ACCORONA** – Milano
- **FRANCESCO BELOTTI** – Brescia
- **GIACOMO BERTAZZONI** – Cremona
- **MAURIZIO BIGNAMI** – Como
- **ANTONIO BIROLI** – Brescia
- **ANDREA BIZZONI** – Bergamo
- **BARBARA BUFFOLI** – Brescia
- **FRANK RIKKI CANEVARI** – Genova
- **ANDREA CAROBBIO** – Padova
- **LUCA DENARO** – Padova
- **FRANCESCO DOGLIETTO** – Brescia
- **ENZO EMANUELLI** – Treviso
- **MARCO FERRARI** – Padova
- **ALESSANDRO FIORINDI** – Brescia
- **TOMMASO GUALTIERI** – Brescia
- **APOSTOLOS KARLIGKIOTIS** – Varese
- **DAVIDE LANCINI** – Brescia
- **DAVIDE MATTAVELLI** – Brescia
- **PIERPAOLO MATTOGNO** – Roma
- **ALESSANDRO PUSATERI** – Bergamo
- **VITTORIO RAMPINELLI** – Brescia
- **MARIO RIGANTE** – Roma
- **ALBERTO SCHREIBER** – Brescia
- **STEFANO TABONI** – Padova
- **GIOVANNI LEO TOMACELLI** – Lecce
- **MICHELE TOMASONI** – Brescia
- **MARIO TURRI ZANONI** – Varese
- **LUCA VOLPI** – Como

# SECRETARIAT

## SCIENTIFIC SECRETARIAT

**FRANCESCO DOGLIETTO**  
*Department of Neurosurgery*  
francesco.doglietto@unibs.it

**DAVIDE MATTAVELLI**  
*Department of Otorhinolaryngology*  
davide.mattavelli@unibs.it

**ALBERTO SCHREIBER**  
*Department of Otorhinolaryngology*  
dottor.schreiber@gmail.com

Spedali Civili di Brescia  
P.le Spedali Civili 1 – 25123 Brescia, Italy

## ORGANIZING SECRETARIAT

Servizi C.E.C. Srl  
via Daste e Spalenga 15  
24125 Bergamo (Italy)

Katia Gissi  
+39.339.6339391  
k.gissi@servizicec.it  
www.servizicec.it

# INFORMATION

## LOCATION

**Gross Anatomy Laboratory: basement**  
University of Brescia - School of Medicine  
Viale Europa, 11 - 25123 Brescia

With the unconditional support



UNIVERSITÀ  
DEGLI STUDI  
DI BRESCIA



Under the auspices of

Sistema Socio Sanitario

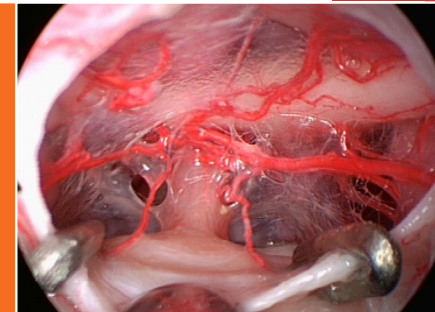


ASST Spedali Civili



## COURSE DIRECTORS

- **MARCO FONTANELLA** Neurosurgery
- **PIERO NICOLAI** Otorhinolaryngology
- **CESARE PIAZZA** Otorhinolaryngology
- **RITA REZZANI** Anatomy

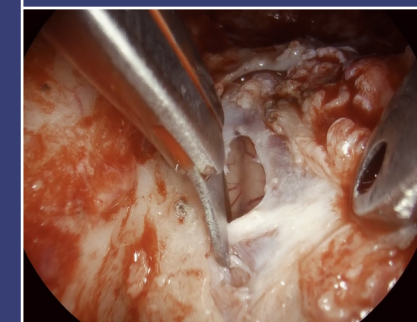


# INTERNATIONAL SUMMER SCHOOL

**SEPTEMBER 20|22**  
**BRESCIA – ITALY**

**TRANSNASAL ENDOSCOPIC  
SURGERY: FROM SINUSES  
TO SKULL BASE**

**2021**



**HANDS-ON**  
*Anatomy Laboratory*

We are glad to welcome you in Brescia!

Aim of this course, which is now in its seventh edition, is to offer an overview of the applications of transnasal endoscopic surgery, starting from simple procedures performed under local anesthesia to more extensive operations adopted for inflammatory disease, benign and malignant sinonasal tumors, skullbase diseases, sellar and parasellar lesions, down to the clivus, nasopharynx and craniovertebral junction.

This year, after the spring edition, which was online only, we have decided to organize a 3-day event to allow the hands on sessions in the anatomy laboratory, thanks to the support by the University of Brescia and our sponsors.

The three days will be dedicated to the endoscopic endonasal dissection of injected, fresh frozen specimens. At the Gross Anatomy Laboratory of the University of Brescia directed by Prof. Rita Rezzani, each working station is complete of endoscopic skull base surgery equipment, as well as CT-based navigation. Each participant, two per each station, will be supervised by one tutor to allow for a personalized tuition. Each step will be preceded by 3D-HD videos explained by the faculty members, as well as demonstrations with 4K technology.

This year, due to the restriction caused by COVID-19, the faculty is only Italian but all are recognized leaders not only in the fields of endonasal endoscopic surgery and endoscopic skull base surgery, but also in other essential specialties, such as radiology.

Aim of the course is indeed to provide a thorough journey in this exciting field, showing the importance of multidisciplinary, from the anatomy laboratory to the clinical, multispecialty collaboration.

Three intense days are awaiting for you with the chance of interacting directly and informally with world experts in the field.

The course includes an informal social dinner with all faculty and participants on Tuesday September 21<sup>st</sup>.

**SEPTEMBER 20|22 2021**  
**Hands-on section**

**Gross Anatomy Laboratory**  
**University of Brescia**

## DAY 1

8:00 - 8:15

### Registration

8:15 - 8:30

### Welcome addresses

► P. Nicolai, M. Fontanella, R. Rezzani, C. Piazza

8:30 - 9:00

### An endoscopic journey of the skull base

► P. Nicolai, M. Ferrari

9:00 - 9:30

### Imaging of skull base anatomy and disease

► R. Maroldi

9:30 - 12:30

### Hands-on dissection

Modular transphenoidal approaches

12:30 - 13:15 **Lunch**

13:15 - 13:30

### Endoscopic sinonasal anatomy: landmarks, tips and pitfalls

► F.R. Canevari

13:30 - 13:45

### Endonasal endoscopic surgery for sinonasal benign tumors

► M. Bignami

13:45 - 17:00

### Hands-on dissection

Transethmoidal and transfrontal corridors

## DAY 2

8:00 - 8:15

### Modular transsphenoidal approaches

► F. Doglietto

8:15 - 8:30

### Reconstruction in endoscopic transsphenoidal surgery

► M. Rigante

8:30 - 12:30

### Hands-on dissection

Transellar, transtuberculum, transplanum approaches and reconstruction

12:30 - 13:15 **Lunch**

13:15 - 13:30

### Modular endoscopic medial maxillectomies and transpterygoid corridors

► A. Schreiber

13:30 - 13:45

### Endoscopic endonasal prelacrimal approach

► M. Turri Zanoni

13:45 - 14:00

### Skull base reconstruction: anatomical considerations and surgical techniques

► V. Rampinelli

14:00 - 17:00

### Hands-on dissection

Endoscopic medial maxillectomies. Transpterygoid approaches.

## DAY 3

8:00 - 8:15

### Endonasal endoscopic surgery for sinonasal malignancies

► D. Mattavelli

8:15 - 8:30

### Endonasal endoscopic approaches to petrous apex lesions

► A. Bizzoni, A. Pusateri

8:30 - 12:30

### Hands-on dissection

Transcribriform approach, transclival approach and odontoideotomy

12:30 - 13:15 **Lunch**

13:15 - 13:30

### Endoscopic transorbital approaches

► A. Karligiotis

13:30-13:45

### Endonasal endoscopic management of CSF-leak

► E. Emanuelli

13:45 - 14:00

### Skull base reconstruction with free flaps: when and how?

► C. Piazza

14:00 - 17:00

### Hands-on dissection

Endoscopic approaches to the orbit. Temporoparietal fascial flap harvesting and transposition.

SEP  
TEM  
BER  
20|22  
2021

Marco Fontanella

Piero Nicolai

Cesare Piazza

Rita Rezzani

[www.summerschool-endoscopicskullbase-brescia.com](http://www.summerschool-endoscopicskullbase-brescia.com)

**INTERNATIONAL SUMMER SCHOOL Transnasal Endoscopic Surgery: from sinuses to skull base**