

FACULTY

COURSE DIRECTORS

- **Marco FONTANELLA**
Neurosurgery
- **Piero NICOLAI**
Otolaryngology
- **Luigi F. RODELLA**
Anatomy

INTERNATIONAL FACULTY

- **Sebastien FROELICH**
France
- **Fred GENTILI**
Canada
- **Philippe HERMAN**
France
- **Walter KUCHARCZYK**
Canada
- **Manfred TSCHABITSCHER**
Austria

NATIONAL FACULTY

- **Paolo CAPPABIANCA**
Napoli
- **Giorgio FRANK**
Bologna
- **Ernesto PASQUINI**
Bologna

LOCAL FACULTY

- **Andrea BOLZONI VILLARET**
- **Francesco DOGLIETTO**
- **Marco FONTANELLA**
- **Roberto GASPAROTTI**
- **Andrea GIUSTINA**
- **Davide LOMBARDI**
- **Dikran MARDIGHIAN**
- **Roberto MAROLDI**
- **Gherardo MAZZIOTTI**
- **Piero NICOLAI**
- **Luca PIANTA**
- **Pietro Luigi POLIANI**
- **Luigi F. RODELLA**
- **Alberto SCHREIBER**
- **Roberto STEFINI**

SECRETARIAT

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Anatomy



INFO

LOCATIONS

HANDS-ON SECTION

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

LIVE SURGERY SECTION

A.O. Spedali Civili di Brescia
(P.le Spedali Civili 1- 25123 Brescia)
Didactic room: stair 3, floor 6

INTERNATIONAL SUMMER SCHOOL

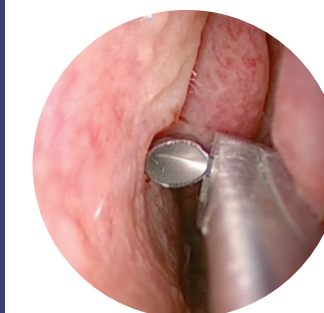
JULY 13 | 17 2015

BRESCIA - ITALY

TRANSNASAL
ENDOSCOPIC
SURGERY:

FROM SINUSES
TO SKULL BASE

WITH THE UNCONDITIONAL SUPPORT



HANDS-ON ANATOMY LABORATORY AND LIVE SURGERY

We are glad to welcome you in Brescia!

Aim of this course is to offer an overview of the applications of trans-nasal endoscopic surgery, starting from simple procedures performed under local anesthesia to more extensive operations adopted for inflammatory disease, benign and malignant sino-nasal tumors, skull-base diseases, sellar and parasellar lesions, down to the clivus, nasopharynx and cranio-vertebral junction.

Also thanks to the University of Brescia support, the course will provide a hands-on section, followed by a live surgery phase.

The first 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. Luigi F. Rodella each working station is complete of endoscopic skull base surgery equipment, as well as CT-based navigation. Two participants and one observer will be assigned to each station and will be supervised by at least one faculty member to allow for a personalized tuition. Each step will be preceded by lectures by the faculty members, including world reknown Anatomy Professor Manfred Tschabitscher.

The following two days will be dedicated to live surgery, with at least two running operating rooms, in which different operations will be shown and discussed step by step. As well as watching the operations from the connected meeting room, participants and observers will have the chance of observing surgery directly in the OR. Lectures will be provided by the local and international faculty, all 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 and endocrinology.

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.

Five 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 Thursday July 16th at the Restaurant Carlo Magno on the hills of Brescia.

Enjoy the course!

Marco Fontanella



Piero Nicolai



Luigi F. Rodella



HANDS-ON SECTION

●●● DAY 1

Gross Anatomy Laboratory
University of Brescia

8.00-17.30

- **Welcome address**
P. Nicolai, M. Fontanella
- **Introduction to the hands-on section of the course**
L.F. Rodella
- **An endoscopic journey of the skull base**
M. Tschabitscher
- **Endoscopic endonasal transsphenoidal paraseptal approaches**
A. Bolzoni Villaret
- **Extended transsphenoidal transtuberulum approach**
R. Stefini
- **Endoscopic transsphenoidal approaches to the cavernous sinus**
F. Doglietto
- **Extended transsphenoidal transclival approach**
A. Schreiber

HANDS-ON SECTION

●●● DAY 2

Gross Anatomy Laboratory
University of Brescia

8.00-17.30

- **Normal radiological anatomy for endoscopic skull base surgery**
R. Maroldi
- **Endoscopic approach to the frontal sinus**
L. Pianta
- **Endoscopic endonasal transcribriform approach**
A. Bolzoni Villaret
- **Endoscopic approaches to the orbit**
D. Lombardi
- **Transmaxillary approaches to the infratemporal fossa**
A. Schreiber
- **Endonasal endoscopic odontoidectomy**
R. Stefini
- **New technologies in endoscopic endonasal transsphenoidal surgery: results of preclinical assessment and development in the anatomy laboratory**
F. Doglietto, A. Bolzoni Villaret

HANDS-ON SECTION

●●● DAY 3

Gross Anatomy Laboratory
University of Brescia

8.00-17.30

- **Imaging study in sino-nasal and skull base disease**
R. Maroldi
- **Inflammatory disease of the sino-nasal tract**
L. Pianta
- **The lacrimal pathway, the orbit and the optic nerve**
D. Lombardi
- **Skull-base reconstruction: general principles, tips and tricks**
A. Bolzoni Villaret
- **Endonasal endoscopic surgery for malignancies**
P. Nicolai
- **Endoscopic endonasal approaches to the infratemporal fossa**
P. Herman
- **MRI of the pituitary and parasellar region**
W. Kucharczyk

LIVE SURGERY SECTION

●●● DAY 4

Didactic room - Spedali Civili Brescia

8.00-17.30

- **Introduction to the live surgery section of the course**
P. Nicolai, M. Fontanella
- **Pituitary adenomas: the endocrinologist point of view**
G. Mazziotti
- **Sellar and parasellar pathology: the pathologist point of view**
P.L. Poliani
- **Interventional neuroradiology in skull base surgery**
R. Gasparotti, D. Mardighian
- **Quantification and comparison of approaches to the cavernous sinus**
F. Doglietto

●●● DAY 5

8.00-17.30

- **Pituitary adenomas**
P. Cappabianca
- **Acromegaly: the endocrinologist perspective**
A. Giustina
- **Cavernous sinus surgery**
G. Frank, E. Pasquini
- **Craniopharyngiomas**
F. Gentili
- **Clivus Chordomas**
S. Froelich
- **Endonasal endoscopic orbit surgery**
G. Frank, E. Pasquini