ADVANCED COURSE IN ENDOSCOPIC APPROACHES TO THE SKULL BASE
November 30th do December 2nd 2020

Chairman
Henrique Prata
General Director
Hospital de Câncer de Barretos

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Jacques Marescaux
President, IRCAD
University of Strasbourg, France

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Americas Medical City, Rio de Janeiro Brazil

Course Directors
Aldo Stamm
São Paulo ENT and Speech Therapy Center (COF)
Hospital Edmundo Vasconcelos
Eduardo Vellutini
DFVneuro
Hospital Alemão Oswaldo Cruz

Course Co-Directors
Carlos Clara
Renato Capuzzo
Hospital de Câncer de Barretos

OBJECTIVES
- Provide an in-depth view of the skull base endoscopic anatomy.
- Know a great variety of surgical procedures for the treatment of skull-base tumors for Neurosurgery, ENT and Head and Neck professionals.
- Evaluate surgical treatment indications for the skull base and discuss surgical strategies.
- Enable the real-time discussion between the specialists and the students.
- Practical course on nasosinusal endoscopic surgery through training on cadavers under the guidance of the experts.

EDUCATIONAL METHODS
- Interactive talks and debates with video sessions;
- Practical training on cadavers specially prepared for dissection.

FACULTY
ALDO STAMM (Brazil)  MARCOS DE QUEIROZ T. GOMES (Brazil)
CARLOS CLARA (Brazil)  MIGUEL TEPE DINO (Brazil)
EDUARDO VELLUTINI (Brazil)  RENATO CAPUZZO (Brazil)
JOÃO PAULO MANGUSSI (Brazil)  RONALDO TOLEDO (Brazil)
LEONARDO BALSALOBRE (Brazil)  THOMAS FRIGERI (Brazil)
LUIS FELIPE ALENCASTRO (Brazil)
Theoretical session

08:00 – Introduction
Renato Capuzzo–Carlos Clara

08:10 – Paranasal/skull-base anatomy and their practical applications
Aldo Stamm

08:40 - Paranasal and skull base bony anatomy - 3D (SALA DE TREINAMENTO)
Thomas Frigeri

09:05 - Anatomy of the orbit - 3D (SALA DE TREINAMENTO)
Miguel Tepedino

09:25 - Surgical anatomy to approach the sella region – 3D (SALA DE TREINAMENTO)
Luis Felipe U. Alencastro

09:45 – Discussion and questions

10:00 – 10:20  WELCOME COFFEE

10:20 - Transoperative management, equipment and instrumentation in endoscopic skull-base surgery
Eduardo Vellutini

10:50 – Paranasal sinus surgery applied for skull base surgery
Leonardo Balsalobre

11:15 - Discussion and questions

11:25 – Skull-base reconstruction (grafts, nasal flaps, dura mater , substitutes,etc )
Leonardo Balsalobre

11:50 - Discussion and questions

12:00 – 12:45  LUNCH

12:45 – Laboratory rules
Ruana Flavia Silva

Lab Session

13:00 – 17:45 - Anatomical dissection: Paranasal Sinuses (only extra dural dissections)

- Making the nasoseptal flap
- Uncinectomy, maxillary antrostomy, identification of the sphenopalatine artery, ethmoidectomy, anterior and posterior ethmoidal arteries, frontal sinus. (Draf 2 and 3)
- Sphenoid sinus: sphenoidal plain, carotid canal, carotid-optical recess, clivus, lateral extension of the sphenoid sinus. Identifying the cavernous sinus medial walls.

17:45 – Bus shuttle IRCAD-Hotel.
Theoretical session

08:00 – Pituitary gland surgery
08:30 – Transplanum approach
08:50 – Transcribriform approach – 3D (SALA DE TREINAMENTO)
09:10 – Discussion and questions

Lab Session

09:40 – Sella, Transtuberculum/Transplanum and Transcribriform Approaches

- Sella turcica, identifying the pituitary gland. Perform the transtuberculum / transplanum approach identifying the optic nerves and chiasm, anterior communication arteries complex, olfactory nerves, orbital gyrus, third ventricle.
- Transcribriform approach: opening the dura, removal crista galli, identifying the olfactory bulbs and nerves and frontal lobe.

12:00 – 12:45 LUNCH

Theoretical session

12:45 - Cavernous sinus and correlated structure anatomy – 3D (SALA DE TREINAMENTO)
13:10 - Classification of different segments of internal carotid artery
13:35 - Discussion and questions

Lab Session

13:50 – Approach to Petrous Apex, Cavernous Sinus and ICA.

- Approaching the medial petrous apex, internal carotid, identifying the vidian nerve, V2, ICA, Meckel cave.
- Opening the medial wall of the cavernous sinus and identifying the nerves and relation with the ICA.

17:45 – Bus shuttle IRCAD-Hotel.

This program is subject to alterations
Theoretical session

08:00 - Posterior fossa anatomy: microscopic and endoscopic view - 3D (SALA DE TREINAMENTO)  
Thomas Frigeri

08:25 - Clivus and posterior fossa surgery  
Carlos Clara

08:50 - Discussion and questions

09:00 - Medial maxillectomy / nasopharyngectomy / Pterygoid/infratemporal approach  
Ronaldo Toledo

09:25 – Transanal surgery of the orbit  
Miguel Tepedino

09:45 – Discussion and questions

09:55 – 10:30  NETWORK COFFEE

Lab Session

10:00 – Opening the clivus dura identifying neurovascular structures in the posterior fossa and cavernous sinus

12:00 – 12:45  LUNCH

Lab Session

12:45 – 17:00 - Anatomical dissection
- Approaching the infratemporal fossa
- Identifying the pterygoid processes, auditory tube, V3, pharyngeal ICA
- Medial orbit decompression and decompression of the optical nerves, opening the medial orbit wall and identifying its content

17:00-17:10 - Closing

17:30 – Bus shuttle IRCAD-Hotel.

Bus shuttle to the São José do Rio Preto and Ribeirão Preto airports.

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