

PROGRAMME

ADVANCED COURSE IN ENDOSCOPIC APPROACHES TO THE SKULL BASE

March, 09th to 11th 2020



UNIDADE
BARRETOS

Chairman

Henrique Prata

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Hospital de Câncer de Barretos

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Course Directors

Aldo Stamm

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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 nasosinus 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)

CARLOS CLARA (Brazil)

EDUARDO VELLUTINI (Brazil)

LEONARDO BALSALOBRE (Brazil)

LUIS FELIPE ALENCASTRO (Brazil)

MARCOS DE QUEIROZ T. GOMES (Brazil)

MIGUEL TEPEDINO (Brazil)

RENATO CAPUZZO (Brazil)

RONALDO TOLEDO (Brazil)

THOMAS FRIGERI (Brazil)

MARCH, 09TH 2020

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 - <i>Surgical anatomy to approach the sella region</i> – 3D (SALA DE TREINAMENTO)	Luis Felipe U. Alencastro
09:45 – Discussion and questions	

10:00 – 10:20 **COFFEE BREAK**

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	Emilio Belmonte
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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, anterior and posterior ethmoidectomy, 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.

MARCH, 10TH 2020

Theoretical session

08:00 – Pituitary gland surgery**Aldo Stamm****08:30** – Transplanum approach**Eduardo Vellutini****08:50** – Transcribiform approach**Aldo Stamm****09:10** – Discussion and questions**09:20 – 09:40 OPEN COFFEE BREAK**

Lab Session

09:40 – Sella , Transtuberculun/Transplanum and Transcribiform 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.
- Transcribiform 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)****Luis Felipe U. Alencastro****13:10** - Classification of different segments of internal carotid artery**Marcos de Queiroz T. Gomes****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.

MARCH, 11TH 2020

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 **OPEN COFFEE BREAK**

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.