

PROGRAMME

ADVANCED COURSE IN ENDOSCOPIC APPROACHES TO THE SKULL BASE

December 03rd to 05th, 2018



UNIDADE
BARRETOS

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Henrique Prata

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Hospital de Câncer de Barretos

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Course Directors

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Eduardo Vellutini

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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)

João P. MANGUSSI GOMES (Brazil)

Luis Felipe ALENCASTRO (Brazil)

Marcos de Queiroz T. GOMES (Brazil)

Renato CAPUZZO (Brazil)

Ronaldo TOLEDO (Brazil)

Thomas FRIGERI (Brazil)

DECEMBER 03rd, 2018

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 - Frontal sinus surgery (Draf 2 and 3) – **3D (SALA DE TREINAMENTO)**

João P. Mangussi Gomes

09:25 - Paranasal sinus surgery applied for skull base surgery

Leonardo Balsalobre

09:45 – Discussion

10:00 – 10:20

COFFEE BREAK

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

Eduardo Vellutini

10:50 – Skull-base reconstruction (grafts, nasal flaps, dura mater substitutes, etc.)

Leonardo Balsalobre

11:15 - Discussion and questions

11:25 – Surgical anatomy to approach the sella region – **3D (SALA DE TREINAMENTO)**

Luis Felipe U. Alencastro

11:50 - Discussion and questions

12:00 – 12:45

LUNCH

Lab Session

12:45 – 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.

DECEMBER 04th, 2018

Theoretical session

08:00 – Pituitary gland surgery**Aldo Stamm****08:20** – Transplanum approach**Eduardo Vellutini****08:40** – Transcribriform approach**João P. Mangussi Gomes****09:00** – Discussion and questions**09:10 – 09:30 OPEN COFFEE BREAK**

Lab Session

09:30 – Anatomical dissection (demonstration followed by dissection by the participants)

- 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)****Luis Felipe U. Alencastro****13:10** - Cavernous sinus: transnasal endoscopic approach**Aldo Stamm****13:35** - Classification of different segments of internal carotid artery**Marcos de Queiroz T. Gomes****13:50** – Discussion and questions

Lab Session

14:00 – Anatomical dissection (demonstration followed by dissection by the participants)

- 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.

DECEMBER 05th, 2018

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 - Discussion and questions

09:35 – 10:00 **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.