

## PROGRAMME

# ADVANCED COURSE IN ENDOSCOPIC APPROACHES TO THE SKULL BASE

November 30<sup>th</sup> do December 2<sup>nd</sup> 2020



UNIDADE  
BARRETOS

### *Chairman*

**Henrique Prata**

*General Director*

*Hospital de Câncer de Barretos*

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**Jacques Marescaux**

*President, IRCAD*

*University of Strasbourg, France*

### *Director*

**Armando Melani**

*Director, IRCAD América Latina*

*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

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- 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

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

## FACULTY

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ALDO STAMM (Brazil)

CARLOS CLARA (Brazil)

EDUARDO VELLUTINI (Brazil)

JOÃO PAULO MANGUSSI (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)

**NOVEMBER, 30<sup>TH</sup> 2020**

## Theoretical session

<b>08:00</b> – Introduction	<b>Renato Capuzzo–Carlos Clara</b>
<b>08:10</b> – Paranasal/skull-base anatomy and their practical applications	<b>Aldo Stamm</b>
<b>08:40</b> - Paranasal and skull base bony anatomy - <b>3D (SALA DE TREINAMENTO)</b>	<b>Thomas Frigeri</b>
<b>09:05</b> - Anatomy of the orbit - <b>3D (SALA DE TREINAMENTO)</b>	<b>Miguel Tepedino</b>
<b>09:25</b> - Surgical anatomy to approach the sella region – <b>3D (SALA DE TREINAMENTO)</b>	<b>Luis Felipe U. Alencastro</b>
<b>09:45</b> – Discussion and questions	

### 10:00 – 10:20 **WELCOME COFFEE**

<b>10:20</b> - Transoperative management, equipment and instrumentation in endoscopic skull-base surgery	<b>Eduardo Vellutini</b>
<b>10:50</b> – Paranasal sinus surgery applied for skull base surgery	<b>Leonardo Balsalobre</b>
<b>11:15</b> - Discussion and questions	
<b>11:25</b> – Skull-base reconstruction (grafts, nasal flaps, dura mater , substitutes,etc )	<b>Leonardo Balsalobre</b>
<b>11:50</b> - Discussion and questions	

### 12:00 – 12:45 **LUNCH**

<b>12:45</b> – Laboratory rules	<b>Ruana Flavia Silva</b>
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## Lab Session

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

- Making the nasoseptal flap
- Uncinectomy, maxillary antrotomy, 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, 1<sup>ST</sup> 2020**

## Theoretical session

**08:00** – Pituitary gland surgery**Aldo Stamm****08:30** – Transplanum approach**Eduardo Vellutini****08:50** – Transcribiform approach – **3D (SALA DE TREINAMENTO)****J. P. Mangussi****09:10** – Discussion and questions**09:20 – 09:40 NETWORK COFFEE**

## 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.

**DECEMBER, 2<sup>ND</sup> 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 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.**