

# DRAFT PROGRAMME

## COURSE IN MICROSCOPIC AND ENDOSCOPIC APPROACHES TO THE SKULL BASE

SEPTEMBER 20<sup>TH</sup> TO 23<sup>RD</sup>, 2016  
ASIA IRCAD - TAIWAN



### CHAIRMAN

**MH. Huang**

Show Chwan Memorial Hospital  
Changhua, Taiwan

### PRESIDENT

**J. Marescaux**

President, IRCAD  
University of Strasbourg, France

### INTERNATIONAL COURSE DIRECTORS

**S. Froelich**

Neurosurgeon  
University of Paris  
France

**C. Debry**

ENT  
University of Strasbourg  
France

**YK. Tu**

Neurosurgeon  
National Taiwan  
University Hospital

### OBJECTIVES

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- To provide an overview of the complex anatomy of the skull base
- To cover a broad spectrum of the skull base approaches and describe the technical steps of each specific approach
- To discuss indications of skull base approaches and surgical strategies
- To provide hands-on session on cadaveric specimens and improve skills
- To become more familiar with endoscopic endonasal approaches
- To understand the rationale and challenge of endoscopic endonasal approaches to the skull base
- To allow discussion between expert in the field of skull base surgery and trainees

### EDUCATIONAL METHODS

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- Interactive theoretical and video sessions between faculty and course participants.
- Practical training on anatomical specimen

### FACULTY

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**Sébastien Froelich (France)**

**Christian Debry (France)**

**James Liu (USA)**

**Narayanan Janikaram (India)**

**Jens Lehmborg (Germany)**

**Chiung-Chyi Shen (Taiwan)**

**Yong Kwang Tu (Taiwan)**

**Kyu-sung Lee (South-Corea)**

**W Kiratokai (Thailand)**

# Tuesday, September 20<sup>th</sup>, 2016

## TRANSCRANIAL : MICROSCOPIC AND ENDOSCOPIC ASSISTED

**07.00 am** Shuttle-bus from the Hotel to IRCAD Taiwan

**07.45 am** Welcome to participants - Introduction

**07.55 am** **LECTURES SESSION: Anterolateral approaches from FTOZ to Keyhole**

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08.00 am **FTOZ and variations**

08.25 am **Key hole principle and approaches**

08.45 am **Clinoidectomy and additional drilling**

09.05 am **Peeling the lateral wall and approaches to the CS**

09.30 am **Surgery in and around the cavernous sinus**

**09.30 am** **Coffee Break**

**09.40 am** **PRACTICAL SESSION IN EXPERIMENTAL LABORATORY**

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Dissection:

- Soft tissue dissection
- FTOZ approach
- Anterior clinoidectomy
- Peeling of the lateral wall

**01.00 pm** **Lunch**

**01.45 pm** **LECTURES SESSION: Posterolateral corridor**

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01.45 pm **Anatomy of the craniocervical junction**

02.00 pm **Far Lateral – transcondylar approach**

02.30 pm **Anterolateral approach**

**02.45 pm** **Coffee Break**

**03.00 pm** **PRACTICAL SESSION IN EXPERIMENTAL LABORATORY**

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Dissection:

- Anterolateral approach
- Far lateral approach
- Jugular foramen exposure

**06.30 pm** **End of the session**  
**Shuttle-bus from the IRCAD to the hotel**

# Wednesday, September 21<sup>st</sup>, 2016

## TRANSCRANIAL: MICROSCOPIC AND ENDOSCOPIC ASSISTED

**07.00 am** Shuttle-bus from the Hotel to IRCAD Taiwan

### **07.55 am** LECTURES SESSION: Transpetrosal approach

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08.00 am **Petrous bone anatomy**

08.20 am **Retrosigmoid approach, endoscopic assisted retrosigmoid**

08.40 am **Retrolabyrinthine and translabyrinthine approach**

**09.00 am** Coffee Break

### **09.15 am** PRACTICAL SESSION IN EXPERIMENTAL LABORATORY

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Dissection:

- Retrosigmoid and endoscopic assisted
- Retrolabyrinthine approach
- Infralabyrinthine approach
- Translabyrinthine approach

**13.00 pm** Lunch

### **01.45 pm** LECTURES SESSION: Transpetrosal Approach and jugular foramen

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01.45 pm **Anterior petrosectomy**

02.05 pm **Combined petrosectomy**

02.35 pm **Approach to the Jugular foramen**

**02.45 am** Coffee Break

### **03.00 pm** PRACTICAL SESSION IN EXPERIMENTAL LABORATORY

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Dissection:

- Anterior petrosectomy
- Combined petrosectomy
- Jugular foramen exposure

**06.30 pm** End of the session - Shuttle-bus from the IRCAD to the hotel

# Thursday, September 22<sup>nd</sup>, 2016

## ENDOSCOPIC APPROACHES TO THE SKULL BASE

**07.00 am** Shuttle-bus from the Hotel to IRCAD Taiwan

### 07.55 am LECTURES SESSION - Introduction

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08.00 am **How to get started: Endoscope, instruments, ergonomics**

08.30 am **Endoscopic anatomy of the nose and paranasal sinuses**

09.00 am **Endonasal steps: SPA control, ethmoidectomy, antrostomy, sphenoidotomy, transpterygoid approach**

**09.30 am** Coffee Break

### 09.45 pm PRACTICAL SESSION IN EXPERIMENTAL LABORATORY

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Step by step dissection

- Endonasal exploration
- Identification of the SPA
- Nasoseptal flap
- Anterior and posterior ethmoidectomy
- Antrostomy
- Sphenoidotomy – landmarks identification
- Identification of the vidian nerve
- Transpterygoid approach

**01.00 pm** Lunch

### 01.45 pm LECTURES SESSION – Transcribriform corridor

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01.45 pm **Draf procedures**

02.00 pm **Transcribriform approach**

02.20 pm **Anterior skull base meningiomas**

02.40 am **Anterior skull base malignancy**

**03.10 am** Coffee Break

### 03.30 pm PRACTICAL SESSION IN EXPERIMENTAL LABORATORY

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Step by step dissection

- Bilateral exposure
- Nasal septum resection – reverse flap
- Identification of AEA and PEA
- Draf 3
- Removal of the ACF floor
- Cista galli management

**06.00 pm** **End of the seminar**  
**Delivery of the certificates of attendance**

# Friday, September 23<sup>rd</sup>, 2016

## ENDOSCOPIC APPROACHES TO THE SKULL BASE

**07.00 am** Shuttle-bus from the Hotel to IRCAD Taiwan

### **07.55 am** LECTURES SESSION – Sella, Tuberculum, Cavernous sinus, Clivus and petrous apex

08.00 am Endoscopic anatomy of the ICA, cavernous sinus and orbit

08.15 am Approach to pituitary adenoma

08.30 am Endoscopic approach to craniopharyngiomas

08.45 am Endoscopic approach to the cavernous sinus

09.00 am Transclival approach - Chordomas

09.15 am Approach to the petrous apex

**09.30 am** Coffee Break

### **09.45 pm** PRACTICAL SESSION IN EXPERIMENTAL LABORATORY

Step by step dissection

- Sella exposure
- Exposure of the ICA
- Transplanum, transtuberculum approach
- Cavernoorbital junction exposure
- Cavernous sinus anatomy
- Exploration of the SOF and orbit
- Clivectomy
- Identification of the VI nerve
- Medial approach to the petrous apex

**01.00 pm** Lunch

### **01.45 pm** LECTURES SESSION – Craniocervical junction and infratemporal fossa

01.45 pm Odontoid resection

02.00 pm Endoscopic approach to the cranio-cervical junction

02.20 pm Endoscopic approach to the infratemporal fossa

02.40 am Reconstruction technique

**03.15 am** Coffee Break

## 03.30 pm PRACTICAL SESSION IN EXPERIMENTAL LABORATORY

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Step by step dissection

- complete basisphenoid resection
- exposure of C1 and C2
- odontoid resection
- Identification of the « palatini » muscle
- Eustachian tube resection
- Condyl and XII nerve exposure
- Medial maxillectomy type 3
- Identification of infraorbital nerve and V2
- Identification of muscular plane-lateral and medial pterygoid muscles
- Identification of lingual and inferior alveolar nerve on medial pterygoid muscle
- Resection of lateral pterygoid muscle and identification of V3 and Eustachian tube
- Identification of medial corridor to ICA

06.00 pm

**End of the seminar**

**Delivery of the certificates of attendance**