

# DRAFT PROGRAMME

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## SKULL BASE 360°: ENDO/MICRO/KEYHOLE SKULL BASE COURSE

September 23-26, 2019



### President

**J. Marescaux**  
President, IRCAD  
University of Strasbourg, France

### Chairman

**MH. Huang**  
Show Chwan Memorial Hospital  
Changhua, Taiwan

### International Course Directors

**S. Froelich**  
Neurosurgeon  
University of Paris  
France

**C. Debry**  
ENT  
University of Strasbourg  
France

### National Course Director

**DY. Yang**  
Neurosurgeon  
Show Chwan Memorial Hospital  
Taiwan

### 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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#### INTERNATIONAL FACULTY

Yong-Kwang Tu (Taiwan)  
Kyu-Sung Lee (Korea)  
Kenichi Oyama (Japan)  
Kentaro Watanabe (Japan)  
Shunya Hanakita (Japan)  
Hun Ho Park (Korea)  
Calvin Mak (Hong Kong)

#### Invited Speaker

President of Taiwan  
Skullbase Society

#### LOCAL FACULTY

Tsung-Te Chung  
Chiung-Chyi Shen  
Cheng-Mao Cheng  
Wei Chieh Chang  
Po-Hao Huang  
Chi-Tun Tang  
Chi Kao Tang

# Monday, September 23, 2019

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## MORNING

- 07.00 am Shuttle-bus from the Hotel to IRCAD Taiwan  
07.45 am Welcome to participants - Introduction

### LECTURES SESSION: ANTEROLATERAL CORRIDOR

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- 08.00 am Frontotemporal orbitozygomatic craniotomies  
08.20 am Anterior clinoidectomy  
08.40 am Peeling the lateral wall and opening the cavernous sinus  
09.00 am Surgery in and around the cavernous sinus

**09.20 am Coffee Break**

### 09.30 am PRACTICAL SESSION IN EXPERIMENTAL LABORATORY

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- Dissection on anatomical specimens  
Main station demonstrations:
- FTOZ approach
  - Anterior clinoidectomy
  - Peeling of the lateral wall
  - Cavernous sinus dissection

**01.00 pm Lunch**

## AFTERNOON

### LECTURES SESSION: ANTERIOR PETROSAL APPROACH

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- 01.45 pm **Case discussion from participants**  
01.55pm Petrous bone anatomy  
02.05 pm Anterior petrosal approach

**02.20 pm Coffee Break**

### 02.30 pm PRACTICAL SESSION IN EXPERIMENTAL LABORATORY

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- Dissection on anatomical specimens  
Main station demonstrations:
- Anterior petrosal approach
  - Extension of the anterior petrosal approach

- 06.45 pm Welcome party in ircad-Taiwan  
09.00 pm End of the session- Shuttle-bus from the IRCAD to the hotel

## Tuesday, September 24, 2019

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### MORNING

07.00 am Shuttle-bus from the Hotel to IRCAD Taiwan

#### LECTURES SESSION: POSTERIOR TRANSPETROSAL AND COMBINED PETROSAL

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08.00 am **Case discussion from participants**

08.10 am Posterior petrosal approach

08.30 am Translabyrinthine approach

08.50 am Combined petrosal approach

**09.10 am Coffee Break**

#### 09.20 am PRACTICAL SESSION IN EXPERIMENTAL LABORATORY

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Dissection on anatomical specimens

Main station demonstrations:

- Posterior petrosal approach
- Translabyrinthine approach
- Combined petrosal approach

**01.00 pm Lunch**

### AFTERNOON

#### LECTURES SESSION: POSTEROLATERAL CORRIDOR

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01.45 pm **Case discussion from participants**

02.00 pm Anatomy of the jugular foramen

02.15 pm Far Lateral – transcondylar approach

02.30 pm Anterolateral approach

02.45 pm Approach to the jugular foramen

**03.00 pm Coffee Break**

#### 03.15 pm PRACTICAL SESSION IN EXPERIMENTAL LABORATORY

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Dissection on anatomical specimens

Main station demonstrations:

- Far lateral approach
- Anterolateral approach
- Jugular foramen exposure and dissection

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

# Wednesday, September 25, 2019

## MORNING

07.00 am Shuttle-bus from the Hotel to IRCAD Taiwan

### LECTURES SESSION – KEYHOLE APPROACH AND ENDOSCOPIC ASSISTED SKULL BASE SURGERY

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08.00 am Keyhole concept and minipterional approach

08.30 am Supraorbital keyhole approach

08.50 am Retrosigmoid approach, endoscopic assisted

**09.10 am Coffee Break**

### 09.25 am PRACTICAL SESSION IN EXPERIMENTAL LABORATORY

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Dissection on anatomical specimens

Main station demonstrations:

- Minipterional approach
- Supraorbital approach
- Retrosigmoid approach

**12.00 pm Lunch**

## AFTERNOON **Endoscopy**

### LECTURES SESSION – ENDOSCOPIC ENDONASAL APPROACHES – Sella, cavernous sinus and clivus

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12.45 pm Endonasal anatomy and endonasal steps

01.05 pm Endoscopic approach to the sella

01.20 pm Endoscopic approach to the clivus and petrous apex

01.40 pm Transpterygoid approach, cavernous sinus and ICA

02.00 pm Endoscopic approach to the orbit

**02.20 pm Coffee Break**

### 02.40 pm PRACTICAL SESSION IN EXPERIMENTAL LABORATORY

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Dissection on anatomical specimens

Main station demonstrations:

- Endoscopic approach to the sella
- Endoscopic approach to the clivus and petrous apex
- Endonasal steps for extended approaches:
  - Middle turbinectomy
  - Posterior and anterior ethmoidectomy
  - Nasoseptal flap
- Transpterygoid approach
- Approach to the cavernous sinus and ICA

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

**Thursday, September 26, 2019****MORNING**

07.00 am Shuttle-bus from the Hotel to IRCAD Taiwan

**LECTURES SESSION – ENDOSCOPIC ENDONASAL APPROACHES – Frontal sinus, cribriform plates and craniocervical region**08.00 am **Case discussion from participants**

08.15 am Transplanum, transtuberculum approach

08.30 am Draf III procedure

08.45 am Transcribiform approach

09.00 am Closure techniques

**09.15 am Coffee Break****09.20 am PRACTICAL SESSION IN EXPERIMENTAL LABORATORY**

Dissection on anatomical specimens

Main station demonstrations:

- Transplanum transtuberculum approach
- Draf III procedure
- Removal of the ACF floor
- Crita galli resection

**01.00 pm Lunch****AFTERNOON****LECTURES SESSION – ENDOSCOPIC ENDONASAL APPROACHES – Eustachian tube, parapharyngeal space and ICA, infratemporal fossa**

01.45 pm CCJ midline approach: Odontoid resection

02.00 pm Approach to the Condyle, XII nerve and jugular foramen

02.20 pm Approach to the infratemporal fossa approach

02.50 pm Endoscopic endonasal nasopharyngectomy

**03.10 pm Coffee Break****03.25 pm PRACTICAL SESSION IN EXPERIMENTAL LABORATORY**

Dissection on anatomical specimens

Main station demonstrations:

- Odontoid resection
- Identification of the « palatini » muscle
- Eustachian tube resection
- Condyl and XII nerve exposure
- Medial maxillectomy type 3
- Identification of muscular plane- pterygoid muscles
- Identification of lingual and inferior alveolar nerve
- identification of V3 and Eustachian tube
- Identification of the parapharyngeal ICA

**06.45 pm End of the course - Shuttle-bus from the IRCAD to the hotel**