

SKULL BASE 360°: ENDO/MICRO SKULL BASE COURSE December 6-9, 2022



Chairman

黃明和 **Min-Ho HUANG**

Show Chwan Memorial Hospital
Changhua, Taiwan

President

Jacques MARESCAUX

President, IRCAD
University of Strasbourg, France

Director

Wayne HUANG

Dean, IRCAD-Taiwan
Show Chwan Memorial Hospital,
Changhua, Taiwan

International Course Director

Sebastien Froelich

Neurosurgeon,
University of Paris,
France

Christian Debry

ENT,
University of Strasbourg,
France

National Course Director

楊大羽

Dar-Yu YANG

Neurosurgeon,
Show Chwan Memorial
Hospital, Changhua,
Taiwan

張維傑

Wei-Chieh CHANG

Neurosurgeon,
Show Chwan Memorial
Hospital, Changhua,
Taiwan

Objectives

- 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

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

International Faculties

Sebastien Froelich (France)
Christian Debry (France)
Kyu-Sung Lee (Korea)
Hun Ho Park (Korea)
Doo-Sik Kong (Korea)

Kenichi Oyama (Japan)
Kentaro Watanabe (Japan)
Shunya Hanakita (Japan)
Calvin Mak (Hong Kong)
Dai Ha Duong (Vietnam)

Domestic Faculties

杜永光 Yong-Kwang TU (雙和醫院)
楊大羽 Dar-Yu YANG (彰濱秀傳)
沈炯祺 George Chiung-Chyi SHEN (臺中榮總)
楊孟寅 Meng-Yin YANG (臺中榮總)
湯其墩 Chi-Tun TANG (三軍總醫院)
莊銘榮 Jimmy Ming-Jung CHUANG
(高雄長庚)
林志峰 Chih-Feng LIN (臺大醫院)

張維傑 Wei-Chieh CHANG (彰濱秀傳)
鍾從得 Tseng-Te CHUNG (彰濱秀傳)
鄭文郁 Wen-Yu CHENG (臺中榮總)
陳建民 Chien-Min CHEN (彰化基督教醫院)
許皓淳 Hao-Chun HSU (臺大雲林分院)
楊韻如 Yun-Ju YANG (三軍總醫院)



Microscopic & Endoscopic Assisted

Day 1 – Tuesday, December 6th, 2022

MORNING

Shuttle-bus from the Hotel to IRCAD Taiwan

07.15 AM

Registration

07.45 AM

Welcome to participants – introduction

TBA

08.00 AM

LECTURES SESSION: from FTOZ to Keyhole

08.00-08.20

Orbito-zygomatic craniotomies

TBA

08.20-08.40

Keyhole principle, supraorbital and minipterinal

TBA

08.40-08.55

Clinoidectomy and additional drilling

TBA

08.55-09.10

Peeling the lateral wall and dealing with the CS

TBA

09.10-09.30

Coffee Break

09.30 AM

PRACTICAL SESSION IN EXPERIMENTAL LABORATORY

09.30-13.00

Dissection on anatomical specimens:

- Soft tissue dissection
- FTOZ approach
- Anterior clinoidectomy
- Peeling of the lateral wall
- Keyhole subfrontal and minipterional

13.00-13.40

Lunch

AFTERNOON

13.40 PM

LECTURES SESSION: Subtemporal

13.40-14.00

Petrous bone anatomy

TBA

14.00-14.20

Subtemporal approaches

TBA

14.20-15.00

Kawase approach

TBA

15.00-15.15

Coffee Break

15.15 AM

PRACTICAL SESSION IN EXPERIMENTAL LABORATORY

15.15-18.00

Dissection on anatomical specimens:

- Kawase approach

18.00 PM

End of the session

Shuttle-bus from IRCAD to hotel

Microscopic & Endoscopic Assisted

Day 2 - Wednesday, December 7th, 2022

MORNING

Shuttle-bus from the Hotel to IRCAD Taiwan

08.00 AM LECTURE SESSION: Posterior transpetrosal and combined

08.00-08.20	Retrosigmoid approach and endoscopic assisted	TBA
08.20-08.40	Posterior petrosal approach	TBA
08.40-09.00	Translabyrinthine approach	TBA
09.00-09.20	Combined petrosectomy	TBA
09.20-09.30	Coffee Break	

09.30 AM PRACTICAL SESSION IN EXPERIMENTAL LABORATORY

09.30-13.00 Dissection on anatomical specimens:

- Kawase approach
- Retrosigmoid approach
- Endoscopic assisted retrosigmoid
- Posterior petrosal approach
- Translabyrinthine
- Combined

13.00-13.40 Lunch

AFTERNOON

13.40 PM LECTURE SESSION: Far lateral, transcondylar, jugular foramen

13.40-14.00	Anatomy of the craniocervical junction and VA	TBA
14.00-14.20	Far Lateral – transcondylar approach	TBA
14.20-14.40	Transmastoid approach to the jugular foramen	TBA
14.40-15.00	Anterolateral approach	TBA
15.00-15.15	Coffee Break	

15.15 PM PRACTICAL SESSION IN EXPERIMENTAL LABORATORY

15.15-18.00 Dissection on anatomical specimens:

- Far lateral approach
- Anterolateral approach
- Jugular foramen exposure

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

Endoscopic Endonasal

Day 3 - Thursday, December 8th, 2022

MORNING

Shuttle-bus from the Hotel to IRCAD Taiwan

08.00 AM LECTURE SESSION: Ergonomics, sella, endonasal steps

08.00-08.20	How to get started: Instruments, ergonomics	TBA
08.20-08.40	Endoscopic anatomy of the nose and paranasal sinuses	TBA
08.40-09.00	Endoscopic approach to the sella for pituitary adenomas	TBA
09.00-09.20	Endonasal steps for extended approach	TBA

09.20-09.30 Coffee Break

09.30 AM PRACTICAL SESSION IN EXPERIMENTAL LABORATORY

09.30-13.00 Dissection on anatomical specimens:

- Positioning, instrumentation, ergonomics
- One nostril approach to the sella
- Anterior and posterior ethmoidectomy
- Nasoseptal flap
- Transpterygoid approach

13.00-13.40 Lunch

AFTERNOON

13.40 PM LECTURE SESSION: Transplanum, transcribriform, draf

13.40-14.00	Transplanum- transtuberculum approach	TBA
14.00-14.20	Transcribriform approach	TBA
14.20-14.40	Draf procedures	TBA

14.40-15.00 Coffee Break

15.00 PM PRACTICAL SESSION IN EXPERIMENTAL LABORATORY

15.00-18.00 Dissection on anatomical specimens:

- Transplanum-transtuberculum approach
- Transcribriform
- Criterion galli resection
- Draf

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

Anterior Corridor, Endoscopic Endonasal

Day 4 - Friday, December 9th, 2022

MORNING

Shuttle-bus from the Hotel to IRCAD Taiwan

08.00 AM LECTURE SESSION: Cavernous sinus, petrous apex, clivus

08.00-08.20	Endoscopic anatomy: ICA, cavernous sinus and orbit	TBA
08.20-08.40	Approach to the cavernous sinus/meckel's cave	TBA
08.40-09.00	Approach to the clivus and petrous apex	TBA
09.00-09.20	Coffee Break	

09.20 AM PRACTICAL SESSION IN EXPERIMENTAL LABORATORY

09.30-13.00 Dissection on anatomical specimens:

- Cavernous sinus exposure and dissection
- Transclival approach
- Approach to the petrous apex

13.00-13.40 Lunch

AFTERNOON

13.40 PM LECTURE SESSION: Craniocervical junction, infratemporal fossa

13.40-14.00	Endoscopic nasopharyngectomy	TBA
14.00-14.20	Endoscopic approach to the infratemporal fossa	TBA
14.20-14.40	Endoscopic approach to the cranio-cervical junction	TBA
14.40-15.00	Reconstruction technique	
15.00-15.15	Coffee Break	

15.15 PM PRACTICAL SESSION IN EXPERIMENTAL LABORATORY

15.15-18.00 Dissection on anatomical specimens:

- Transplanum-transtuberculum approach
- Identification of the « palatini » muscle
- Eustachian tube resection
- Condyl and XII nerve exposure
- Medial maxillectomy type 3
- 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 the parapharyngeal ICA

18.00 pm End of the session
Shuttle-bus from IRCAD to Taichung HSR Station