

Keyhole Surgery, Endo-SkullBase, Bypass Surgery & Endoscopic Spine Course September, 2020



2020

Special Course for Young Neurosurgeons 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

~~Registration Fee: 90,000 NTD~~

~~***50,000NTD***~~

Contact info: **45,000NTD**

Tel: +886-4-781-2988

changweichieh@gmail.com

aits.cms@gmail.com

Day 1

MORNING

06.45 am Shuttle-bus from the Hotel to IRCAD Taiwan

08.15-08.30 Opening Remark & Introduction of Course

08.30 AM LECTURES SESSION: KEYHOLE APPROACH IN NEUROSURGERY

08.30-10.20 Basic technical aspects

- FTOZ
- Pterion keyhole
- Supraorbital keyhole
- Intercanthal approach
- Lateral eyebrow approach
- Suboccipital keyhole

Decision making and planning

10.20-10.30 Coffee Break

10.30 am PRACTICAL SESSION IN EXPERIMENTAL LABORATORY

10.30-12.00 **Hand-on practice on cadavers**

- FTOZ

12.00-13.00 Lunch

AFTERNOON

13.00 pm PRACTICAL SESSION IN EXPERIMENTAL LABORATORY

13.00-18.00 **Hand-on practice on cadavers**

- Keyhole approach

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

Day 2

MORNING

07.00 am Shuttle-bus from the Hotel to IRCAD Taiwan

08.30 AM LECTURES SESSION: ENDOSCOPIC SKULL BASE APPROACH

- 08.30-10.20 Basic technical aspects
- Nasal septal flap
 - TSA
 - Ethmoidectomy
 - Transplanium
 - Transtuberculum,
 - Transcribriform
 - Transpterygoid
 - Approach to clivus
 - CCJ midline approach
 - Odontoidectomy
 - ICA dissection

Decision making and planning
ICA injury management

10.20-10.30 Coffee Break

10.30 am PRACTICAL SESSION IN EXPERIMENTAL LABORATORY

10.30-12.00 **Hand-on practice on cadavers**

12.00-13.00 Lunch

AFTERNOON

13.00 pm PRACTICAL SESSION IN EXPERIMENTAL LABORATORY

13.00-18.00 **Hand-on practice on cadavers**

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

Day 3

MORNING

06.45 am Shuttle-bus from the Hotel to IRCAD Taiwan

08.30 AM LECTURES SESSION – ANASTOMOSIS IN NEUROSURGERY

08.30-10.20 Basic technical aspects and instruments
Graft and harvesting for anastomoses
End to end, end to side, side to side anastomoses
Decision making

10.20-10.30 Coffee Break

10.30 am PRACTICAL SESSION IN EXPERIMENTAL LABORATORY

10.30-12.00 **Hand-on practice on anastomosis**

- Models and Chicken wings

12.00-13.00 Lunch

AFTERNOON

13.00 pm LECTURE SESSION - INTRA-CRANIAL VESSELS

13.00-14.00 Tips on dissecting MCA, Pcom, Acom, VA, PICA, AICA, BA

14.00-18.00 PRACTICLE SESSION IN EXPERIMENTAL LABORATORY

Hand-on practice

- Cadaver dissection for vessels

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

Day 4

MORNING

06.45 am Shuttle-bus from the Hotel to IRCAD Taiwan

08.30 am LECTURES SESSION—ENDOSCOPIC SPINE SURGERY

08.30-09.20 Concept & Instruments
Case selection & Pre-operation planning
Pros & Cons

09.20-09.30 Coffee Break

09.30 am PRACTICAL SESSION IN EXPERIMENTAL LABORATORY

09.30-12.00 **Operative Technique (Hands-on Cadaver Dissection)**
Step-by-step localization

12.00-13.00 Lunch

AFTERNOON

13.00 pm PRACTICAL SESSION IN EXPERIMENTAL LABORATORY

13.00-17.00 **Operative Technique (Hands-on Cadaver Dissection)**

- Lumbar canal medial stenosis at L45 and L5S1 central
- Lateral stenosis
- Interlaminar and transforaminal access
- Transfacet access

17.00 pm End of the course –
Shuttle-bus from the IRCAD – Taichung HSR Station- Hotel