



**NEUROSURGERY**  
INTERNATIONAL MASTER CLASS

Updates & Techniques



**22-24  
NOVEMBER  
2024**

**CONRAD DUBAI,  
UAE**

**SHARJAH SURGICAL  
INSTITUTE**

# COMPLEX CRANIAL WORKSHOP

## 1- Endoscopic Approaches:

- Basics and relevant surgical anatomy:-
- surgical anatomy
- vascularised nasoseptal flap
- transphenoidal approach
- surgical pitfalls
- sagittal expanded approaches
- Advanced Endoscopic approaches:
  - Cavernous sinus anatomy
  - Suprasellar intradural work
  - Clival approach
  - Introduction to Endonasal orbital approach

## 2- Open Microsurgical Approaches:

- Middle Fossa approaches:-
- Anterior clinoidectomy
- Cavernous sinus anatomy (vascular and -cranial nerves )
- Access to Interpeduncular cistern (Basilar artery and brainstem)
- Access to Suprasellar Cistern and lamina terminalis
- Posterior fossa and lateral skull base
- Retrosigmoid and Presigmoid approach
  - Surgical anatomy
  - Retrosigmoid approach and How to heal with sinus injury
  - Presigmoid approach and surgical pitfalls
  - Access to cranial nerves V-XII
  - Relevant vascular anatomy
  - Drilling the IAM
  - How to access lesions extending through tent or to middle cranial fossa



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**For more info, please contact**  
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## COMPLEX SPINE WORKSHOP

### Station 1

Basic Endoscopic spine  
(interlaminar and transforminal)

### Station 2

Advanced Endoscopic  
(Stenosis and Endo TLIF)

### Station 3

XLIF

### Station 4

TLIF

### Station 5

MIS postero- lateral approach

### Station 6

Kyphoplasty and stentoplasty  
and pain management

### Station 7

Posterior cervical fixation



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