



تجمع الرياض الصحي الثاني
Riyadh Second Health Cluster

19TH ANNUAL MEETING OF
THE SAUDI ASSOCIATION OF NEUROLOGICAL SURGERY

**AI: REVOLUTIONIZING
NEUROSURGICAL FRONTIERS**

Neuroimaging Processing and Integration

Lecture & Hands- on course

| Duration: 7 - 8 hours | Schedule: 31st January, 2025

Faculties:



Dr. Abdullah AlOtaibi



Prof. Lahbib Soualmi



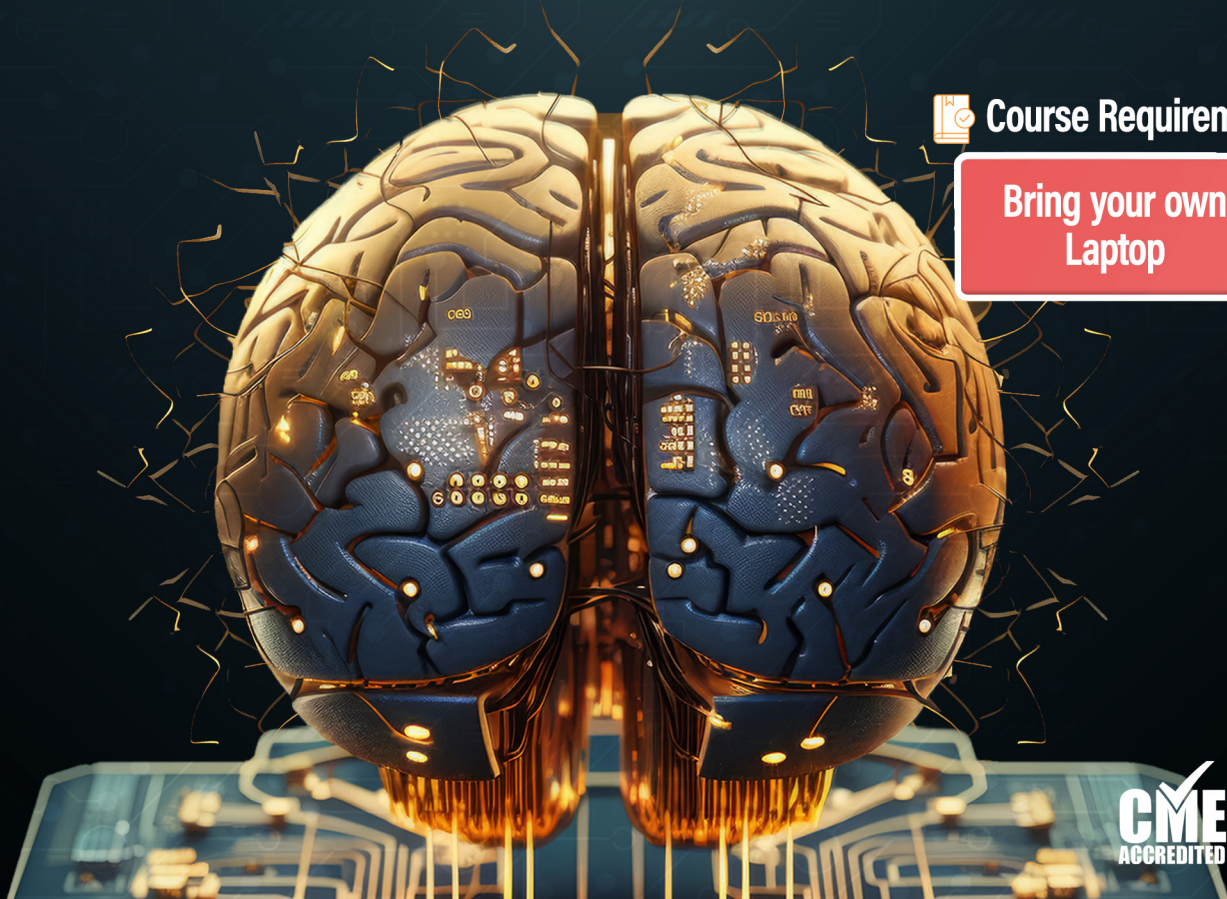
Dr. Adnan AlWatban



Dr. Fahd Alsubaie

 Course Requirement:

Bring your own
Laptop





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TIME	TOPIC	SPEAKER	LECTURE	HANDS-ON
08:00 - 08:15	Introduction	Dr. Abdullah Alotaibi	✓	
08:15 - 08:45	MRI Module I	Dr. Adnan AlWatban	✓	
08:45 - 09:00	BREAK			
09:00 - 09:30	MRI Module II	Dr. Adnan AlWatban	✓	
09:30 - 10:00	Fundamental of Stereotaxy	Dr. Fahd Alsubaie	✓	
10:00 - 10:30	Neuroimaging processing	Prof. Lahbib Soualmi	✓	✓
10:30 - 11:00	Neuronavigation basics	Prof. Lahbib Soualmi	✓	
11:00 - 11:30	Image processing software	Dr. Abdullah Alotaibi	✓	✓
11:30 - 13:00	JUMAA PRAYER TIME			
13:00 - 13:30	Volumetric analysis	Dr. Fahd Alsubaie	✓	✓
13:30 - 14:00	Fractional Anisotropy	Dr. Abdullah Alotaibi	✓	
14:00 - 14:30	Tractography	Prof. Lahbib Soualmi	✓	
14:30 - 15:00	Functional MRI	Dr. Abdullah Alotaibi	✓	
15:00 - 15:15	BREAK			

Full Hand-on stations 15:15 - 17:00				
Neuronavigation	25 minutes	Prof. Lahbib Soualmi		✓
Volumetri analysis	25 minutes	Dr. Fahd AlSubaie		✓
Brain segmentation	25 minutes	Dr. Adnan AlWatban		✓
MATLAB	25 minutes	Dr. Abdullah Alotaibi		✓