ANA INNOVATION
Education - Clinical Practice - Research

NABEEL ALSHAFAI NEURO SPINE

NEUROSURGICAL NEURO ANATOMY REVIEW

April 16, 2026
Kempinski Al Othman
Al Khobar, Kingdom of Saudi Arabia

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Stepan Wolfsberger
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Chairman of the Department of Neurosurgery
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The Neurosurgical Anatomy Review Course provides a concise, clinically focused review of cranial and spinal anatomy, integrating surgical and radiologic correlations to strengthen anatomical understanding, operative planning, and safe neurosurgical practice.

LIMITED SEATS AVAILABLE

Building Expertise For Neurosurgeons, Radiologists & Neurologists.

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Registration:
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Registration Fee:

400 SAR (Student)
600 SAR (Resident)
850 SAR (Registrar)
1250 SAR (Consultant)

WORLD FEDERATION OF NEUROSURGICAL SOCIETIES

CAMBRIDGE LECTURES IN NEUROSURGICAL ANATOMY

Ethical MedTech
MedTech Europe compliance portal

PROGRAM SCHEDULE :

In each section, the speaker will emphasize key concepts, supported by appropriate clinical context illustrated through high-quality 3D anatomical dissections and operative cases to enhance understanding.

Mastery of anatomy relevant to neurological surgery is an exciting, lifelong pursuit. We hope that every image—even the most familiar—when viewed through shared experience and discussion, will leave both participants and speakers more informed, inspired, and committed to making our surgery more accurate, gentle, and safe.

07:00 - 08:00	Registration
08:00 - 08:15	Welcome Message
08:15 - 09:15	**N. S. Alshafai,** Gyri and Sulci
09:15 - 09:30	**N. S. Alshafai,** Neuro Anatomy Quiz
09:30 - 10:00	Coffee Break
10:00 - 12:00	**Thomas Santarius,** Ventricles - White Matter
12:00 - 13:00	Prayer, Lunch Break, Photo Op
13:00 - 13:15	**N. S. Alshafai,** Neuro Anatomy Quiz
13:15 - 14:30	**Ramez Kirollos,** Vascular Supratentorial
14:30 - 15:00	Coffee Break
15:00 - 15:15	**N. S. Alshafai,** Neuro Anatomy Quiz
15:15 - 17:50	**Ramez Kirollos / Thomas Santarius,** Infratentorial Compartment – Anatomy Relevant to Approaches
17:50 - 18:00	**Nabeel S. Alshafai,** Closing Remarks

OBJECTIVES:

Gyri and Sulci - White Matter

- to understand the 'general architecture' of the brain
- to be able to work out each gyrus and sulcus
- to understand the course and topographical relationships of main white matter tracts
- to understand functional consequence of surgical corridors and resections of intrinsic lesions
- to understand blood supply of insula and peri-insular structures
- to understand cortical, white matter and vascular anatomy relevant to insular surgery
- what is ventrobasal brain?

Ventricles

- to understand choroidal fissure
- tentorial incisura, cisterns and their contents
- to understand velum interpositum
- approaches to lateral and third ventricle
- understanding of periventricular lesions and how to approach them

Vascular Supratentorial

- to understand internal carotid artery segments and topography relevant to microsurgical, endoscopic and endovascular approaches (including carotid rings, ligaments etc)
- to understand cavernous sinus and relevant approaches, microsurgical and endoscopic
- superior orbital fissure, optic canal, foramen rotundum – a continuation of the cavernous sinus
- anterior and posterior clinoidectomy – how this is done and why it is done
- perforators – a Russian roulette?
- how to reconstruct an MRI from an angiogram in your head

Infratentorial – Approaches Based

- overview
- retrosig, presig, translab, anterior transpetrosal etc
- far lateral and SCIT
- telovelar