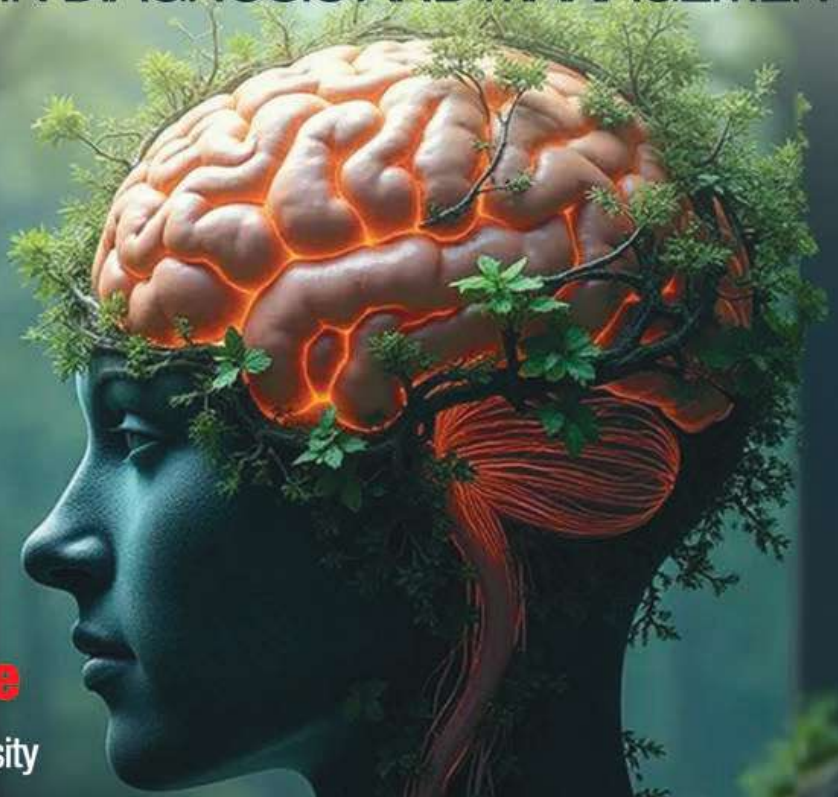
11TH ANNUAL INTERNATIONAL NEUROSURGERY CONFERENCE MANSOURA UNIVERSITY

NEUROVASCULAR DISORDERS

UPDATES IN DIAGNOSIS AND MANAGEMENT



Under patronage

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2 APRIL 2026

ABO EL-NAGA HALL FACULTY OF MEDICINE MANSOURA UNIVERSITY

ADVANCED NEUROCRITICAL WORKSHOP

Monday 6th April 2026

Venue: The Three Medical centers



PROF. MEDHAT MIKHAEL M.D
Prof of Anesthesia and Surgical ICU and Pain Management
Mansoura University



PROF. AKRAM HENEIN M.D
Critical care Cairo University
EDIC ECMO and Neurocritical Care



DR. RAMI SATTI M.D
Consultant of Intensive care , Dubai Hospital ,Clinical Assistant professor of Critical care



PURE SPOT
EVENTS MANAGEMENT

ADVANCED NEUROCRITICAL WORKSHOP

An Event of the
11th ANNUAL INTERNATIONAL
NEUROSURGERY CONFERENCE

Fees :

500 LE

Contact Person:

Dr. Mohamed Badran

Ass. Lecturer of Neurosurgery

01012924687

Monday 6th April 2026

Venue: The Three Medical centers

PROJECT MANAGER

MR. MAHMOUD EL SHABRAWY

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MONDAY
6TH APRIL 2026

VENUE: THE THREE MEDICAL CENTERS

1. FUNDAMENTALS OF TRANSCRANIAL ULTRASONOGRAPHY: DIAGNOSTIC AND MONITORING APPLICATIONS

Prof. **AKRAM HENEIN** *M.D*

BASIC TRANSCRANIAL ULTRASONOGRAPHY COURSE

TARGET AUDIENCE: ICU physicians, neurology residents, and fellows of critical care

DURATION: One-day intensive course

MODE: Hands-on workshop with interactive lectures

OBJECTIVES:

1. Introduce the principles and physics of transcranial ultrasonography (TCD).
2. Develop proficiency in identifying major intracranial vessels.
3. Teach interpretation of flow velocities and cerebral hemodynamics.
4. Apply TCD for monitoring conditions such as vasospasm, raised ICP, and cerebral autoregulation.
5. Provide hands-on skill-building sessions to enhance real-time scanning techniques.

SESSION 1 — Introduction & Basics (60 min)

- Overview of Transcranial Doppler Ultrasound (TCD)
- Physics & Principles: Doppler effect and waveform analysis

SESSION 2 — Anatomical Landmarks & Probe Positioning (60 min)

- Major intracranial vessels and insonation windows
- Practical demonstration with live scanning

SESSION 3

1-Hemodynamic Interpretation (60 min)

- Normal vs. pathological waveforms
- Application in stroke, vasospasm, and cerebral autoregulation

2- Ventilator-Associated Pneumonia versus Catheter-Related Blood-stream Infection in the intensive care unit

Prof. ***MEDHAT MIKHAEL*** *M.D*

LUNCH BREAK (60 MIN)

SESSION 4

Hands-on Scanning (120 min)

- Supervised scanning with real-time feedback
- Case-based simulation exercises

SESSION 5

Advanced Applications (60 min)

- Monitoring brain death, ICP changes, and autoregulatory failure
- AI-assisted imaging and future directions

SESSION 5

Advanced Applications (60 min)

CLOSING / Q&A

- Open discussion on integrating TCD into ICU protocols
- Certificates distribution