



Mukhtar A. Sheikh Hospital  
مختار اے شیخ ہسپتال



Pakistan Society  
of Basic & Applied  
Neuroscience



# ENC 2026

## Essentials of Neuroscience Course



Master The Fundamentals  
of **Neuroscience**  
Unlock a Deeper  
Understanding of the  
**Human Brain**


Course Director:

**Prof. Dr. Syed Ather Enam**  
Sitara-i-Imtiaz

MD, PHD, FRCSI, FRCSC, FRCSG, FACS

 **March 27<sup>th</sup> & 28<sup>th</sup> 2026**

 **8:00 AM To 5:30 PM**

 Auditorium,  
Mukhtar A. Sheikh Hospital

# Course Outline

# ENC2026 – Multan

|March 27 & 28, 2026|

## Module 1: Architecture of the Nervous System

Chapters 1 & 2

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1. The Nervous System – An Overview
2. Spinal Cord and Peripheral Nervous System

## Module 2: Brainstem and Motor Systems

Chapters 3 & 4

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3. Brainstem and Reticular Formation
4. Motor Control

## Module 3: The Language of Neurons

Chapters 5 & 6

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5. Electrical Properties of Neurons
6. Synaptic Transmission

## Module 4: Sensing and Building the Brain

Chapters 7 & 8

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7. Special Senses
8. Developmental Neurobiology

## Module 5: Memory and Behavior

Chapters 9 & 10

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9. Neurobiology of Memory
10. Neuroscience of Emotion and Behavior

## Module 6: The Cortex and Evolution

Chapters 11 & 12

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11. The Cerebral Cortex
12. Evolution of the Brain