

## MD. Neurosurgery

### Congenital Neurosurgical Disorders

| <b>Topic</b>  | <b>Teaching hours</b> | <b>type</b> | <b>Presenter</b>   | <b>Date</b> |
|---|-----------------------|-------------|--------------------|-------------|
| CNS embryology  |                       | interactive | Hatem Badr         | 24/3/2024   |
| Anatomy of ventricular system                                   |                       | interactive | Ahmed zaher        | 31/3/2024   |
| Neurons and Neuroglia   |                       | interactive | Amr Farid          | 7/4/2024    |
| The Blood-Brain Barrier   |                       | interactive | Mohammed Mohsen    | 14/4/2023   |
| Physiology of the Cerebrospinal Fluid and Intracranial Pressure |                       | interactive | Ahmed Naguib       | 21/4/2023   |
| Congenital Hydrocephalus  |                       | interactive | Mohammed setit     | 28/4/2023   |
| Malformations of Cortical Development                           |                       | interactive | Mohammed abdelbary | 5/5/2023    |
| Primary Intracranial Anomalies                                  |                       | interactive | Mohammed abdelbary | 8/5/2023    |
| Primary Spinal Anomalies  |                       | interactive | Amin Sabry         | 12/5/2023   |
| Primary Craniospinal Anomalies                                  |                       | interactive | Mohammed Mohsen    | 15/5/2023   |
| Primitive neuroectodermal tumours                               |                       | interactive | Nabil Mansour      | 19/5/2023   |

**Master program coordinator**

**Department chairman**

**Prof Dr Mohammed Kassem**

**Prof Dr Hatem Badr**

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### Traumatic Neurosurgical Disorders

| Topic   | Teaching hours | Type | Presenter     | Date      |
|---|----------------|------|---------------|-----------|
| <i>Head Trauma</i>  |                |      |               |           |
| Scalp, Skull vault and skull base anatomy   |                |      | د/ أحمد نجيب  | 25/3/2024 |
| Diagnosis of head trauma (clinical and Radiological)  |                |      | د/ محمد فاروق | 26/3/2024 |
| Biomechanical Basis and pathophysiology of Traumatic Brain Injury                             |                |      | د/ حاتم بدر   | 27/3/2024 |
| Management of head injury and polytraumatized patient (E/R and neurocritical care management) |                |      | د/ محمد ستيت  | 24/3/2024 |
| Skull Fractures   |                |      | د/ محمود سعد  | 31/3/2024 |
| Traumatic Hemorrhagic intracranial Conditions   |                |      | د/ وائل زكريا | 1/4/2024  |
| Penetrating Brain Injuries  |                |      | د/ أمين صبري  | 2/4/2024  |
| Pediatric Head Injury   |                |      | د/ محمد محسن  | 3/4/2024  |
| complications of head injuries  |                |      | د/ باسم عوض   | 8/4/2024  |

|  |  |  |                |           |
|--|--|--|----------------|-----------|
| <b><i>Spine trauma</i></b>   |  |  |                |           |
| Spinal Anatomy, physiology and imaging   |  |  | د/ أحمد نجيب   | 9/4/2024  |
| Spinal Biomechanics and Basics of Spinal Instrumentation                               |  |  | د/ باسم عوض    | 15/4/2024 |
| Pathophysiology of Spinal Cord Injury  |  |  | د/ هاني عوض    | 16/4/2024 |
| Medical Management of Spinal Cord Injury   |  |  | د/ مصطفى جمال  | 22/4/2024 |
| Occipitoatlantoaxial Injuries (Occiput to C2)  |  |  | د/ أمين صبري   | 23/4/2024 |
| Subaxial (C3 through C7) Injuries / Fractures  |  |  | د/ أمين صبري   | 29/4/2024 |
| Thoracic, Lumbar, and Sacral Spine Fractures   |  |  | د/ باسم عوض    | 30/4/2024 |
| Penetrating Spine Injuries   |  |  | د/ هاني عوض    | 6/5/2024  |
| <b><i>Peripheral nerve injury</i></b>  |  |  |                |           |
| Anatomy and physiology of brachial plexus and peripheral nerves                        |  |  | د/ هشام السبكي | 7/5/2024  |
| Diagnosis of peripheral nerve injuries (clinical, radiological and neurophysiological) |  |  | د/ هشام السبكي | 13/5/2024 |

|                                 |  |  |                |           |
|---------------------------------|--|--|----------------|-----------|
| Pathophysiology of nerve repair |  |  | د/ هشام السبكي | 14/5/2024 |
| Peripheral nerve surgeries      |  |  | د/ هشام السبكي | 20/5/2024 |

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**Department chairman**

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