UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Neurosurgery

2425-5-H4102D034-H4102D136M

Aims

- To learn the principles of neurological localization through the application of semeiotics in the main CNS and PNS neurosurgical conditions.
- To integrate the knowledge coming from history, semeiotics and diagnostic tests to formulate the etiologic diagnosis of the main neurosurgical conditions.
- To understand the process of elaboration of the diagnostic-therapeutic pathways both in elective and emergency cases and the meanings and limits of the available diagnostic tests in neurosurgery.
- To integrate the theoretical neuroanatomic knowledge with the topographic and surgical anatomy of the operative scenario.
- To understand the multidisciplinary integration of operative neurosurgery with ENT and Maxillo-Facial surgery for specific borderline pathological conditions.

Contents

Detailed program

Prerequisites

Thoroughly knowledge of the anatomy and physiology of the Central and Peripheral Nervous System

Teaching form

The students will participate in small groups as observers to the clinical activities of the Neurosurgery Unit including:

- Morning briefings with a case discussion of the most challenging cases faced during the last 24 hours;
- Weekly briefing with neurologist, neurointensivists, neuroradiologist;
- Clinical rounds on inpatient;
- Clinical activity in the ER with the neurosurgeon on-duty;
- First level and second levels outpatient's clinics;
- Operative rooms procedures in elective and emergency scenarios;
- Morbidity and mortality case discussion.
  This experience will also help students to observe the real-life application of diagnostic and treatment protocol, presented in the vertical track, in a wide spectrum of conditions impacting the cerebral nervous system.

Textbook and teaching resource

Semester

Assessment method

Office hours

Sustainable Development Goals

GOOD HEALTH AND WELL-BEING | QUALITY EDUCATION | GENDER EQUALITY