UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Neurosurgery and Rehabilitation

2526-2-I0201D136-I0201D237M

Aims

To understand the main neurosurgical conditions and the mechanisms of nervous system regeneration and repair. (DD 1)

To acquire skills for planning and managing the rehabilitation project during the acute and sub-acute postoperative phases in neuro-oncology, vascular neurosurgery, cranial and spinal neurotraumatology (DD 2)

Contents

the main neurosurgical pathologies of rehabilitative, vascular, expansive, traumatic interest

Detailed program

Main pathologies:

-Brain tumors

-Cerebral hemorrhage

-Severe traumatic brain injury

-Spinal cord injury

Prognostic assessments and outcomes

Regeneration and repair processes of the central nervous system (CNS)

Planning the rehabilitation program during acute and sub-acute phases

Prerequisites

neuroanatomy, neurophysiology and clinical neurology

Teaching form

Classes 6 hours
Interactive teaching (clinical case discussion) 2 hours

Textbook and teaching resource

Handouts

Semester

1st semester

Assessment method

Described in the subject's syllabus

Office hours

By appointment
andrea.lanterna@unimib.it

Sustainable Development Goals

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