



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## COURSE SYLLABUS

### Neurosurgery

2324-5-H4101D329-H4101D193M

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#### Aims

The goal of the course of Neurosurgery is to lead the student to know the etiology, physiopathology, prognosis, diagnosis and treatments of the main neurosurgical diseases that a Medical Doctor could face in an elective and emergent scenario.

#### Contents

Intracranial hypertension

CSF dynamic and pathology

Cerebrovascular neurosurgical diseases

Brain and spine trauma

Brain tumors

Spinal degenerative disease

New technologies in neurosurgery

#### Detailed program

Intracranial hypertension: physiopathology, diagnosis and treatment

CSF dynamic and pathology: hydrocephalus etiology and possible treatments

Cerebrovascular neurosurgical diseases: cerebrovascular malformations and spontaneous intracranial bleedings.

Brain and spine trauma: multidisciplinary management

Brain tumors: clinical and radiological features and treatment principles

Spinal degenerative disease

New technologies in neurosurgery

## **Prerequisites**

Knowledge of propedeutical courses: anatomy, physiology, biochemistry, general pathology, pharmacology

## **Teaching form**

Frontal lessons apart eventual different indications in relation to the During the Covid-19 emergency.

## **Textbook and teaching resource**

Malattie del Sistema Nervoso, Carlo Ferrarese et al McGraw-Hill, Seconda edizione 2016 Collana "Core Curriculum", 2011 Hauser S.L. Harrison Neurologia Clinica Ed. McGraw-Hill, I edizione italiana 2006 Ropper A.H. Adams e Victor Principi di Neurologia Ed. McGraw-Hill, VIII edizione italiana 2006 Fazio C. e Loeb E. Neurologia di Fazio Loeb Ed. Società Editrice Universo, IV edizione, ristampa 2005

## **Semester**

ninth semester

## **Assessment method**

oral exam

## **Office hours**

by appointment

## Sustainable Development Goals

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