UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Neurosurgery

2526-5-H4101D329-H4101D193M

Aims

The goal of the course of Neurosurgery is to lead the student to know the etiology, physiophatology, 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: physiophatology, diagnosis and treatment

CSF dynamic and pathology: hydrcephalus etiology and possible treatments

Cerebrovascular neurosurgical diseases: cerebrovascular malformations and sponaneuous 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, pharmachology

Teaching form

Frontal lessons

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

5th year first semester

Assessment method

see general Syllabus of the Course

Office hours

by appointment
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Sustainable Development Goals