UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Neuroscience 2

2425-5-H4102D032

Aims

Aim of the integrated course is to learn the nosology and clinical expression of the main neurological diseases and mental disorders for appropriate diagnosis and treatment.

The main neurological, neurosurgical and psychiatric disorders will be described for their aethiological, pathogenetic and clinical features. Particular attention will be devoted to clinical diagnosis, througu an adequate period of clerkship and bed-side teaching with a problem-solving approach, so that the student acquires the ability to correctly identify pathological symptoms and signs, to set up the process of the most appropriate laboratory and instrumental tests and to correctly interpret the results.

The elements of therapy for diseases of the nervous system are also provided, with the aim of clarifying the rationale of the main neurological, neurosurgical and psychiatric treatments, with their respective indications, contraindications and side effects, so as to provide the student with the tools to address towards the correct therapeutic and rehabilitative orientation. The knowledge will be provided to be able to carry out a diagnosis and appropriate and timely treatment of neurological and psychiatric emergencies.

In addition to the strictly clinical content, with an integrated approach the basics of neuroanatomy, neurophysiology, biochemistry and neuropharmacology necessary to understand the pathologies of the nervous system in their etiopathogenetic and therapeutic aspects will be provided

Contents

Topografical anatomy and correlations with neuroradiology and neurological symptoms.

Nosology, epidemiology, aethiopathogenesis, diagnosis and therapy of the main neurological and neurosurgical disorders. Emergency and rehabilitation of neurological disorders.

Nosography, epidemiology, aethiopathogenesis, differential diagnosis and psychopathology of the main mental disorders. Acute care, integrated treatment and rehab of mental disorders

Detailed program

See each didactic unit

Prerequisites

Basic knowledge of neuroanatomy, neurophysiology, biochemistry and pharmachology

Teaching form

Frontal lessons with discussion of clinical cases through a problem based learning approach.

Lessons in attendance, subject to any ministerial changes following the COVID pandemic situation

Textbook and teaching resource

see each teaching unit

Semester

fifth year, first semester

Assessment method

final oral exam

in attendance, subject to any ministerial changes following the COVID pandemic situation

Office hours

by e-mail appointment with professors

Sustainable Development Goals

GOOD HEALTH AND WELL-BEING