UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Principles of Cognitive Rehabilitation

2627-3-I0201D145-I0201D172M

Aims

- cerebral plasticity in cognitive rehabilitation - most common categories of cognitive deficits associated with motor disturbs - the motor rehabilitation in consciousness alteration - the attentive rehabilitation - recover modalities: restitution and substitution - the recover in presence of behavioral disturbs

Contents

rehabilitationof
frontal syndrome
the parietal syndrome
amnesia
the agnosies
disturbances of the body schema

Detailed program

• Premises of cognitive rehabilitation of neuropsychological functions: Introduction to the course
Physiological manipulations of the CNS (VNS, prisms, and other techniques)
Methodological bases of cognitive rehabilitation
Instrumental rehabilitation techniques (tDCS, TMS, Virtual Reality)
Fundamentals of language rehabilitation
Rehabilitation of disorders of spatial representation/perception/exploration
Rehabilitation of body schema disorders
Rehabilitation of traumatic brain injury

Role of emotions in rehabilitation/Rehabilitation of emotional disorders
Acute phase stroke rehabilitation
Relationship with caregivers of severely brain-injured patients
Neuropsychological stimulation of elderly with cognitive decline
Neuropsychological rehabilitation of memory disorders
Neural plasticity

Prerequisites

clinical neurology knowledge

Teaching form

Lectures and interactive

Textbook and teaching resource

- Processi cognitivi e personalità A cura di G. Pravettoni e M. Miglioretti, Franco Angeli, Mi, 2002 Psicologia dei processi cognitivi John G. Benjafield, Il Mulino, Bologna, 1999 Manuale di Neuropsicologia A cura di G. Denes e L. Pizzamiglio, Zanichelli, Bologna, 1990

- RIABILITAZIONE NEUROPSICOLOGICA - MAZZUCCHI ANNA - MASSON ITALIA

- Processi cognitivi e personalità A cura di G. Pravettoni e M. Miglioretti, Franco Angeli, Mi, 2002 Psicologia dei processi cognitivi John G. Benjafield, Il Mulino, Bologna, 1999 Manuale di Neuropsicologia A cura di G. Denes e L. Pizzamiglio, Zanichelli, Bologna, 1990

Semester

1st semester

Assessment method

Single-choice quiz and open-ended question or oral exam if requested by the student. The exam demonstrates integrative skills in recognizing cognitive issues and their interaction with bodily disorders.

Office hours

By appointment

Sustainable Development Goals

GOOD HEALTH AND WELL-BEING