UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Rehabilitation Program in The Neuromotor Field

2223-3-I0201D143-I0201D222M

Aims

Analyze the main observable dysfunctions and their influence in the recover of the autonomy. Use the proper efficacy indicators and to plan the rehabilitative intervention. Rehabilitative assessment, the multidisciplinary assessment in the most common neurologic diseases, the dimensions of the individual rehabilitative project and its application

The meaning of rehabilitative sign, the therapeutic relationship and the role of the rehabilitative team, the rehabilitation models, the clinical and methodological aspects that concern the major cerebral lesions, set up the assessment of the patient in a coma, diversify the rehabilitative approaches based on the presentation neurological patterns.

Contents

plan the therapeutic intervention respecting priority and global criteria given the knowledge of the rationale of the rehabilitation exercise

Given some complex clinical areas, examples of physiotherapy intervention are critically presented for them:

Spasticity: treatment criteria with botulinum toxin and functional recovery protocols.

Recovery of motor skills of the upper limb in stroke outcomes: principles of sensorimotor guidance to the near-distal recovery of the attainment function and rehabilitation approach:

according to Task Oriented Training (Constraint Induced Movement Therapy) principles.

Second cognitive task

Second Bobath concept

- Postural control in stroke outcomes:* synchrony and dyssynergy of postural control systems, the "contralesional push syndrome" (Controversive Pushing)

Detailed program

- Use of movies representing patients with central nervous system damage, group work

- The most common dysfunctions and their relationship in the general autonomy recover

- Most appropriate efficacy indicators

- Planning of the intervention based on the “problem solving” approach, possible complications and their solutions
- Focus on guidelines for: therapeutic intervention post Botox patient affected by omolateral push syndrome subjects with functional upper limb potential, treatment based the constraint therapy protocols

- rehabilitative assessment

- the multidisciplinary assessment in the most common neurological diseases

- assessment scales and their use settings

- the assessment, the rehabilitative protocols

- from the assessment to the rehabilitative project

- the individual rehabilitative project. Rehabilitative treatment, hospital and patient characteristics related to the time. Design in the uncertainly.

- General outcome, functional outcome, immediate outcome, short and brief term outcomes.

- Follow-up

- From the individual rehabilitative project to the rehabilitative program.

- the rehabilitative sign as first planning moment of the rehabilitative intervention.

Prerequisites

knowledge of neurophysiology and biomechanics

Teaching form

“Lessons in attendance,

Textbook and teaching resource

- Progettare la riabilitazione il lavoro in team professionale - Nino Basaglia – EDIERMES L'ESERCIZIO IN MEDICINA RIABILITATIVA V.M.Saraceni e D.A.Fletzer

- E-learning handouts – e-learning platform Introduzione alla medicina riabilitativa c. Cerri BA Graphis edizioni Napoli

Semester

1st semester

Assessment method

face-to-face exams
Multiple choice questions relating to the notional aspects of teaching
Open question for integration of knowledge in response to a clinical question

Office hours

By appointment

Sustainable Development Goals

GOOD HEALTH AND WELL-BEING