UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

The Role of Vision in Physiotherapy and Posturology

2627-3-I0201D153

Aims

lead students to an optimization of the kinesiological - neuphysiological - posturological knowledge of the three-year period by introducing the relationships with the visual control system and the repercussions of its dysfunctions on the systems.

Contents

The visual system performs as a stabilizing function for the postural system, organizing the body movement. Furthermore, it allows the normal development and positioning of the body depending on the environment.
A visual system dysfunction is able to alter the tone of the myofascial chains (and vice versa). As a consequence, these chains will adapt, favoring inadequate compensation at the cranio-cervical-mandibular level and on all body districts that lead to the chronicization of problems if not treated in time and with a multidisciplinary approach.

Through this theoretical and practical course, the fundamental tests to identify the visual postural problem and the treatment strategies to be used in an interdisciplinary context are learned and applied.

Detailed program

Neurophysiological and clinical relationship among visual system and posture
• Myofascial link with visual system
• Visual system effect on muscle chains (and vice versa)
• Practical experience on eyes and posture relationship
• Tests to determine how the eye affects posture and movement praxis
• Understand when the lack of motor efficiency is due to visual problems

• Practical experience on the relationship between eyes and muscle chains
• Practical protocol of visual postural tests for taking data in a normalized, coded and standardized way,
• Collaborate with the professional branches that deal with posturology

Prerequisites

neurophysiological basic knowledge

Teaching form

Frontal teaching 2h
interactive teaching - clinical practice activity 4h

The theoretical parts are flanked by practical sessions providing information on evaluation and treatment, leading the specialist to learn manual skills, autonomy and the correct methodology for diagnostic and treatment process of visual postural tests.

Textbook and teaching resource

Handouts and slides

Semester

second semester

Assessment method

Grup Project work

Office hours

by appointment

Sustainable Development Goals

GOOD HEALTH AND WELL-BEING