



UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

SYLLABUS DEL CORSO

Diagnostica Differenziale Muscoloscheletrica

1920-3-I0201D116-I0201D045M

Aims

basis in order to perform a diagnosis of the movement system impairment through the collection of signs, symptoms and muscular test results

Contents

Detailed program

- Kinesiological model: clinical relevance Pathokinesiological model: clinical relevance Kinesiopathological model: clinical relevance. Muscular strength: atrophy, hypertrophy, reduction of strength because of strain. Muscular length: weakness for hyper-elongation, strain length increase, the lengthened muscle the shortened muscle. Modification of length in the synergic muscles. Rigidity of the muscles and soft tissues. Compensatory relative stiffness Dysfunction of the base element: structural variations of the joint alignment Dysfunction of the base element: nervous system Altered recruitment schemes Non corrected dominance of recruitment schemes of synergic muscles. Recruitment and relative stiffness Eccentric contraction schemes Dysfunction of biomechanics elements Effects of gravity force Dynamic: relations between movements and forces Dysfunctions and kinematic of joints. Multiple dysfunction of movement components. Support element dysfunction Gait dysfunctions: clinical implications Dysfunctions of the upper and lower quarter Dysfunctions, structural and muscular implications.

Prerequisites

Teaching form

Lectures

Textbook and teaching resource

- Valutazione e trattamento delle Sindromi da Disfunzioni del Movimento Autore: Shirley Sahrman Edizione italiana a cura di: G. Barindelli Editore: UTET Scienze Mediche 2005, 480 pagine

- Movement System Impairment Syndromes of the Extremities, Cervical and Thoracic Spines - Shirley Sahrman Elsevier Health Sciences, Nov 19, 2010

Semester

1st semester

Assessment method

Described in the subject's syllabus

Office hours

By appointment
