UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Rehabilitative Sciences 1

2425-2-I0202D142-I0202D115M

Aims

At the end of the course the student must be able to evaluate the child with orthopedic pathologies, the level of development and skills of the preterm child

Contents

REHABILITATIVE SCIENCES 1: The therapist role in Neonatal Intensive Care Unit (NICU). Brazelton's behavioural observation. Abilitative-rehabilitative therapy to the neonatal patient in NICU. Breathing physiotherapy in NICU. Rehabilitative techniques and rehabilitation process in the orthopaedic pathology.

Detailed program

REHABILITATIVE SCIENCES 1

? Post fracture Rehabilitative treatment (adult-child, comparisons)

? Hip dysplasia, congenital clubfoot and alleged forefoot

? Postural asymmetry and Congenital Torticollis

? Infant Scoliosis

? Obstetric paralysis

? Role of physiotherapist in NICU (areas and means of action)

? The care in NICU. Hints to sensory development in fetal life

? General principles of care for premature

? Presentation of Brazelton form in NICU (signs of stress and self regulation)

? Program of postural care (presentation of video)

? Analysis of individual postures: supine, prone, right side and left, semi-sitting

? Speech habilitation / rehabilitation for the child in NICU

? Customized help to preterm child development in NICU

? Sensory Experiences (Tender Touch Program, visual and auditory experience)

? Kangaroo Mother Care

? Handling

? Feeding Function

? Aids in NICU

? The SIDS in NICU

? Habilitative Counseling after discharge from TIN (hints)

? Video Observations

? Taking Charge of clinical cases in neonatal intensive care

Prerequisites

Objectives of the Child Orthopedics and Child Neurology and Neuropsychiatry courses

Teaching form

Delivery Teaching (DE) through frontal lessons
Interactive Teaching (DI) through practical exercises with a mannequin and video analysis

Textbook and teaching resource

1. Grassi,Pazzaglia,Pilato, Zatti, Manuale di ortopedia e traumatologia, Elsevier Masson, 2007.

2. R. Seringe,Anatomie pathologique du pied bot varus equin, Annales de chirurgie,107-118,1977.

3. Ponesti,Piede torto congenito: il metodo Ponesti, Lynn Stateli Ed., 2005.

4. Di Meglio,Bonnet,Rieducazione del piede torto varo equino,Engel Med. Chir., Medicina Riabilitativa, 26-42B-b-10,1997.

5. A.I.F.E.: Triangolo di valutazione pediatrica. www.aife.it

6. Teacher's handsouts

Semester

Second year, First semester

Assessment method

Written exam: quizzes with single / multiple choice and open questions with brief answer.

Final oral exam at the discretion of the teacher or on the student's proposal regarding the project

Office hours

by appointment, teacher's mail address: marina.brambilla@unimib.it

Sustainable Development Goals

GOOD HEALTH AND WELL-BEING