



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## COURSE SYLLABUS

### Rehabilitative Sciences 1

2223-2-I0202D142-I0202D115M

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#### Aims

After completing this course, the student will be able to assess the child with neuropsychomotor diseases, and to establish a profile of development and an evaluation test.

#### 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. Rehabilitative techniques in the orthopaedic pathology.

#### Detailed program

REHABILITATIVE SCIENCES 1

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

? Hip dysplasia, congenital clubfoot and alleged forefoot

? 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
- ? Problem solving and discussion on clinical cases
- ? Taking Charge of clinical cases in neonatal intensive care

## **Prerequisites**

Objectives of the first year courses

## **Teaching form**

Lectures

In the Covid-19 emergency period, lessons will be held remotely asynchronously with synchronous videoconferencing events

## **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](http://www.aife.it)

## **Semester**

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

During the Covid-19 emergency period the exam will take place electronically with proctoring control.

## **Office hours**

You receive by appointment

## **Sustainable Development Goals**

GOOD HEALTH AND WELL-BEING

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