Department of Biomedical Sciences
Physiotherapy Degree Programme
Neurological and pelvic floor physiotherapy syllabus

Assessment and planning of physiotherapy treatment for improving balance when standing. Case presentation of a subject with intradural extracerebral expansive lesion. Functional assessment, physiotherapy treatment plan and outcome measures. The Berg balance scale and the Time up and go test.

6) Sit to stand

Assessment and planning of physiotherapy treatment for sit-to-stand improvement. Case presentation of a subject with Guillain Barré syndrome and confusional state derived from a metabolic factor. Functional assessment, physiotherapy treatment plan and outcome measures. Use of neuromuscular electrical stimulation.

7) Walking

Assessment and planning of physiotherapy treatment to improve walking. Case presentation of a subject with intracerebral haemorrhage and acute pancreatic cancer disease. Functional assessment, physiotherapy treatment plan and outcome measures. The lower limb Fugl Meyer and Ashworth scales, the ten-meter walk test.

8) Walking with aids

Assessment and planning of physiotherapy treatment for improved walking using locomotion aids. Case presentation of a subject with spinal cord ischemia from aortic dissection. Functional assessment, physiotherapy treatment plan and outcome measures. The Asia Scale.

9) Climbing and descending stairs

Assessment and planning of physiotherapy treatment for improvement of stair climbing and descending. Case presentation of a subject with haemorrhagic cerebral stroke and acute hepatitis. Functional assessment, physiotherapy treatment plan and outcome measures. The step test.

10) Reaching and grasping

Assessment and planning of physiotherapy treatment for improving reaching and grasping. Case presentation of a subject with intracerebral haemorrhage and acute pancreatic cancer disease. Functional assessment, physiotherapy treatment plan and outcome measures. The Fugl meyer, the Safe algorithm, the Wolf scale.

PELVIC FLOOR PHYSIOTHERAPY (1 ECTS)

PT Filippo Russo

Graduated as a physiotherapist from the University of Palermo in 2016. He attended the Course in Perineal Rehabilitation organised by ediErmes in 2016 and the Master in Rehabilitation of Musculoskeletal Disorders organised by the University of Genoa in 2017. He works at the Physiotherapy Service of Humanitas Hospital dealing with outpatient musculoskeletal physiotherapy and

Teaching material	Slides presented during the lecture, available for physiotherapy students on LMS.

3) The swallowing apparatus
Anatomy, physiology and pathophysiology of the swallowing apparatus

4) Dysphagia
Evaluation and clinical assessment of dysphagia: 3 oz screening, GUSS, videofluoroscopy, FEES and fibroscopy

5) Dysphagia rehabilitation
General principles of dysphagia rehabilitation, postures, food consistencies and facilitating manoeuvres. Artificial feeding devices. Tracheostomy tube and dysphagia

PRESENTATION OF CLINICAL CASES (1 ECTS)

Prof. Giuseppe Massazza	Full Professor in Physical Medicine and Rehabilitation at the University of Turin and Member of the Labilita4 132F70F.48 610.06 488.28 0.48001 ref539.76 610.54 0

3) II Neurological case study: Spinal Cord Injury

Video clip presentation and basic concepts of the patient with spinal cord injury. Appropriate settings: acute, subacute and chronic. The IRP and essential physiotherapeutic aspects.

4) Rehabilitation settings in neurology

Outpatient settings, Hospital settings. Code 56: intensive rehabilitation. Code 28: Spinal Cord Injury. Code 75: brain lesions. Role of the Rehabilitation Team: competencies and responsibilities. Video clips and clinical examples

5) III Clinical Case: Brain lesion

Role and work of the rehabilitation team. Role of the specialist doctors

6) Non-rehabilitation settings and highly complex clinical cases. 2 12 914 Fm 12 Tf 1 388.51 r512.11 86.064 566.35 Tm0 RSA**.** Long-term care**.** Home-based.

7) IV Clinical Case Study: Pelvic floor disorders