

	Department of Biomedical Sciences Physiotherapy Degree Programme Cardiorespiratory Physiotherapy Syllabus
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Academic year 2020-2021. Academic term: first semester of the third year Course coordinator: Prof. Giuseppe Massazza

RESPIRATORY PHYSIOTHERAPY (1 ECTS)

PT Veronica Polelli	Graduated in Physiotherapy from the University Vita-Salute San Raffaele of Milan in 2011. Currently a physiotherapist at the Physiotherapy Service of
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Teaching methods	Lectures with classroom discussion and application of problem solving.
Teaching material	Slides presented during the lecture, available for physiotherapy students on LMS.
Content	

1) Oxygen therapy

Assessment of respiratory failure, criteria for using and choosing devices for administering oxygen therapy, humidification systems applied to oxygen therapy.

2) Non-invasive mechanical ventilation (NIV)

Acute respiratory failure, indications and contraindications for NIV, NIV objectives, NIV modalities, volume/pressure ventilation, assisted/controlled ventilation, continuous positive airway pressure (CPAP), ventilator assembly, ventilator interfaces and circuits, evaluation and management of patient/ventilator asynchrony.

3) Sleep breathing disorders

4) Secondary prevention and treatment adherence

Role and strategies of health education and tele-rehabilitation.

5) Rehabilitation interventions in care pathways

Evaluation and setting up rehabilitation treatment in different contexts related to specific care pathways (e.g. cardiac surgery outcomes, chronic heart failure, outpatient rehabilitation)

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 Open Faculty at Humanitas University
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Director of the Department of Orthopaedics, Traumatology and Rehabilitation at the AOU Città della Salute e della Scienza of Turin
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Objectives

settings: acute, subacute and chronic. The IRP and essential physiotherapy aspects

4) Rehabilitation settings in the cardiorespiratory field

Outpatient settings, Hospital settings. Code 56: intensive rehabilitation. Role of the rehabilitation team: competencies and responsibilities. Video clips and clinical examples

5) III° Clinical Case: Cardiovascular and respiratory system and surroundings

Clinical care complexity. Role and work of the rehabilitation team. Role of specialist doctors

5) Non-rehabilitation settings and highly complex clinical cases

RSA. Long-term care. Home-based.

6) IV° Clinical Case: Co-morbidity

From diagnosis to differential diagnosis. Pathology and/or co-pathology. Role of the health professions

8) Video clips in the context of clinical cases with cardio-respiratory disorders

Classroom discussion

9) Course summary, critical review of some topics

Summary of the main themes presented in the course

10) Examination simulation and presentation of clinical cases developed by groups of students

Examination for the cardiorespiratory physiotherapy course. Examination for the Neurological and pelvic floor physiotherapy course

The examination will be written; comprising of 60 multiple-choice questions (four items per question). The exam will include all 4 modules of the courses taught by the 4 lecturers, 15 question per module, with a value of 0.50 per question. The pass mark is 36/60. Each module is considered passed with a minimum of 9/15. A mark of 59/60 will be equivalent to 30 and 60/60 to 30L. In the event of an insufficient mark in one or more modules the student will have to repeat the entire examination. The questions in the 'Clinical Cases' module will focus exclusively on what was presented in class, some questions will involve clinical reasoning on cases as simulated during class. (Chairman of the Examination Committee: Prof. Giuseppe Massazza)