

25625 - Physiotherapy in clinical specialities III

Información del Plan Docente

Academic Year	2017/18
Faculty / School	127 - Facultad de Ciencias de la Salud
Degree	275 - Degree in Physiotherapy
ECTS	6.0
Year	3
Semester	Second Four-month period
Subject Type	Compulsory
Module	---

1.General information

1.1.Introduction

1.2.Recommendations to take this course

1.3.Context and importance of this course in the degree

1.4.Activities and key dates

2.Learning goals

2.1.Learning goals

2.2.Importance of learning goals

3.Aims of the course and competences

3.1.Aims of the course

3.2.Competences

4.Assessment (1st and 2nd call)

4.1.Assessment tasks (description of tasks, marking system and assessment criteria)

5.Methodology, learning tasks, syllabus and resources

5.1.Methodological overview

The methodology followed in this course is oriented towards achievement of the learning objectives and competencies, combining active participation of the student in the theoretical sessions, focused on the basic physical therapy performance on neurology. On the other hand, the subject focuses on the personal activity of the student carrying out the different physical therapy processes in the evaluation and global treatment of the neurological patient.

Particularly, the student should develop a personal searching on the physical therapy performance based on a analysis and study that allows to go through the knowledge of the problem and to provide structure to the physical therapy

25625 - Physiotherapy in clinical specialities III

performance.

Students are expected to participate actively in the class throughout the semester.

Classroom materials will be available via Moodle. These include a repository of the lecture notes used in class, the course syllabus, as well as other course-specific learning materials.

Further information regarding the course will be provided on the first day of class.

5.2.Learning tasks

The proposed program to achieve the results comprises the following activities:

- Lectures: 10 hours.
- Clinical Seminars: 12,5 hours.
- Practice sessions: 12,5 hours.
- External clinical practice sessions: 25 hours.
- Group assignment and autonomous work.

5.3.Syllabus

SYLLABUS

PHYSICAL THERAPY EVALUATION OF THE NERVOUS SYSTEM

- Mechanosensibility and Physiology of the Peripheral Nervous System
- Motor, sensitive and cognitive evaluation of the Central Nervous System
- Neuropathic pain evaluation
- Muscle tone evaluation and treatment

25625 - Physiotherapy in clinical specialities III

- Balance and Coordination evaluation and treatment

EVALUATION AND TREATMENT OF PATHOLOGIES RELATED WITH THE PERIPHERAL AND CENTRAL NERVOUS SYSTEM

PERIPHERAL NERVOUS INJURIES

Seddon classification

Sensitive recovery evaluation

Motor dysfunction treatment

Sensitive dysfunction treatment

Vegetative dysfunction treatment

Orthopedic prevention

COMPRESSION SYNDROMES

Nervous compression and tension

Upper quadrant syndromes

Lower quadrant syndromes

Clinical stages according to mechanosensibility and physiology

Symptoms, neurodynamics and neural interface treatment

Sensibility treatment

Motor dysfunction treatment

FACIAL PALSY

25625 - Physiotherapy in clinical specialities III

Facial palsy

Physical therapy evaluation and treatment

CEREBROVASCULAR ACCIDENT (CVA) or STROKE

Type of Stroke

Stroke Units

Assessment scales for stroke

Physical therapy treatment

BRAIN DAMAGE

Patient assessment: acute phase

Physical therapy treatment: acute phase

Physical therapy treatment: subacute phase

Physical therapy treatment: chronic phase

CEREBRAL PALSY

Physical therapy assessment: motor evaluation

Treatment: general and functional objectives

Treatment: principles and development

PARKINSON DISEASE

Physical therapy evaluation in Parkinson disease

25625 - Physiotherapy in clinical specialities III

Treatment: Specific objectives and phases

MEDULAR INJURY

Clinical aspects

Physical therapy evaluation. Scales

General objectives

Physical therapy treatment according to objectives and phases

MISCELLANY

- AMYOTROPHIC LATERAL ESCLEROSIS

- MULTIPLE ESCLEROSIS

- GUILLAIN-BARRE SYNDROME

5.4.Course planning and calendar

Presential sessions and assignment calendar

This subject has a compulsory consideration. The subject is taught in the second semester of the Third course of the Physiotherapy Degree at University of Zaragoza (15 teaching weeks)

It has a duration of 6 credits, developed according to the following teaching activities:

- Theoretical lessons
- Seminars and practical clinical cases

The date of evaluation of the theoretical and practical content and the final assignment of the subject is related to the assigned calendar for June and September exams.

The different presential activities will be carried out in the Faculty of Health Sciences and Practical Health Centers that will be informed in the beginning of the academical course in the official information point of the faculty.

5.5.Bibliography and recommended resources