Universidad Zaragoza

Academic Year: 2025/26

26783 - Pediatrics and Maternal and Child Medicine

Teaching Plan Information

Academic year: 2025/26
Subject: 26783 - Pediatrics and Maternal and Child Medicine
Faculty / School: 104 - Facultad de Medicina
Degree: 304 - Degree in Medicine
Ambit: Medicine and dentistry
ECTS: 8.0
Year: 5
Semester: First semester
Subject type: Compulsory
Module:

1. General information

The overall objective is to provide the future physician with a general knowledge and practical orientation of the main aspects related to nutrition, growth and development and the main diseases of childhood, from the new-born to the adolescent.

Specific objectives:

- Perform a complete and detailed anamnesis.
- Acquire skills in planning the feeding of healthy and sick children.
- Guide the diagnosis and treatment of the most common paediatric pathological processes.
- Provide appropriate preventive guidelines for the development and promotion of children's health - Establish an adequate doctor-patient relationship and act within the ethics and legality in force.
- Know how to protect the dignity, privacy and confidentiality of the patient and family.
- Promote the habit of study and instil an interest in research.

2. Learning results

Upon completion of the subject the student will be able to:

1.- Have the fundamental knowledge about the growth, development and normal maturation of the child, as well as that of the different organs, apparatuses and systems of the organism, from the neonatal period to the end of adolescence.

2.- Have the basic knowledge about feeding in the different stages of the paediatric age.

3.- Know how to perform a complete anamnesis and physical examination in the different paediatric ages, interpreting its meaning adequately.

4.- Know how to guide the diagnosis, treatment and prevention of the main paediatric pathologies.

5.- Be able to choose the appropriate complementary tests, according to their usefulness and risk, to reach a diagnosis.

6.- Establish an initial therapeutic plan, focused on the needs of the patient and their family and social environment.

7.- Understand the basis of genetic counselling in major paediatric inherited diseases

3. Syllabus

THEORETICAL PROGRAM (45h)

I. Basic concepts in Paediatrics.

II. Child nutrition and its disorders.

III. Preventive paediatrics.

IV. Perinatal pathology and neonatology.

V. Paediatric diseases by systems and apparatus.

VI. Infectious diseases in childhood.

SEMINARS (14 hours)

There are 14 complementary paediatric seminars that address relevant topics not included in the theoretical program of the subject.

CLINICAL CASE WORKSHOPS (10 hours)

There are 10 practical clinical cases of 10 pathologies included in the theoretical program of the subject

PRACTICES WITH SIMULATION (9 hours)

1. Ventilation - Intubation - Life support
2. Pulmonary and cardiac auscultation
3. Lumbar puncture
4. Simulated clinical cases: Cough and respiratory distress, Child with fever, Child not eating
5. Interactive clinical cases

4. Academic activities

- **Master classes:** 45 hours. Lectures in large groups, of the theoretical contents of the subject - **Seminars**: 14 hours . Face-to-face teaching based on selected clinical contents/topics that are not covered in the theoretical program.

- Clinical Case Workshops: 10 hours. Learning skills in performing specific clinical explorations, collecting pathological data, their interpretation and orientation towards a correct diagnosis.

- Practical/Simulation: 9 hours. Clinical skills practice in the Simulation Centre.

- **Directed and/or review papers**: 7 hours. Individual and/or group.

- Tutoring: 5 hours.

- Non-face-to-face teaching: 110 hours: individual student work

5. Assessment system

Evaluation of theoretical teaching: (70% of the final score)

- Multiple-choice test with 70 questions and 5 distractors, only one correct. Incorrect answers will not be penalized. It is passed with a minimum of 49 correctly answered questions (i.e.: 70% of the total). The score obtained will be between 0 and 7 points.

- The contents of the theoretical program and seminars are evaluated. Once passed, it will be saved for all the exams of the same academic year. It must be passed to be evaluated for the practical part.

Evaluation of practices: (30% of the final grade)

- Evaluation of clinical case workshops and simulation practices: Scoring between 0 and 3 points, will be passed reaching a minimum of 1.5 points (50% of the total).

- 0-2 points: Resolution of a clinical case: 5 short questions. It will be carried out together with the theoretical test.
- 0-1 point: Evaluation of the activity carried out, which includes: 1) the oral presentation of the directed work (contents of clinical case workshops) and 2) simulation practices.

To pass the evaluation it will be necessary:

1. Independently pass the theoretical test and the practical evaluation.
2. The completion of seminars, clinical case workshops and practical/simulation will be mandatory and essential for the final evaluation.

6. Sustainable Development Goals

3 - Good Health and Well-being
4 - Quality Education
10 - Reduced Inequalities