

26773 - Cardiovascular, Endocrinology and Nutrition Systems

Syllabus Information

Academic year: 2024/25

Subject: 26773 - Cardiovascular, Endocrinology and Nutrition Systems

Faculty / School: 104 - Facultad de Medicina

Degree: 304 - Degree in Medicine

ECTS: 9.0

Year: 4

Semester: First semester

Subject type: Compulsory

Module:

1. General information

The main objective of this subject is for students to learn the most significant aspects of cardiovascular, endocrinological and nutritional pathology, and to acquire and develop the clinical skills that will allow them to focus on the medical attention to the patient affected by these pathologies.

These approaches and objectives are aligned with the following Sustainable Development Goals (SDGs) of the United Nations Agenda 2030 (<https://www.un.org/sustainabledevelopment/es/>), and specifically, the learning activities planned in this subject will contribute to the achievement of Goals 3 and 4.

2. Learning results

1. To know the most characteristic and significant medical aspects of cardiovascular, endocrine and nutritional pathology and the basic principles of cardiac, vascular and endocrinological surgery.
2. To apply and perfect the knowledge and skills previously acquired to be able to suspect and recognize the existence of a cardiovascular and endocrinological process in a patient.
3. To know the name and fundamental applications of the most used and specific complementary tests for the diagnosis of cardiovascular and endocrinology and nutrition diseases.
4. To formulate informed diagnoses of the most frequent cardiovascular, endocrinological and nutritional diseases based on the integration of clinical and other data from complementary tests applicable in each case.
5. To propose the usual treatment measures for cardiovascular, endocrinological and nutritional diseases that are most frequently seen at various stages of their evolution, in the primary care setting.
6. To identify the basic guidelines for the treatment of other cardiovascular, endocrinological and nutritional diseases that are not very prevalent or that are preferably treated in specialized care settings among those included in the theoretical program of this subject.

3. Syllabus

CARDIOVASCULAR:

Topics 1-3: Heart failure.

Topics 4-6. Arrhythmias.

Topics 7-9. Valvulopathies

Topic 10. Pericarditis

Topic 11. Myocarditis.

Topic 12. Myocardiopathies

Topic 13. Arterial hypertension.

Topic 14. Atherosclerosis.

Topics 15-17. Ischemic heart disease.

Topic 18. Diagnostic techniques

Topic 19-24: Surgical aspects of cardiac and vascular pathology

ENDOCRINOLOGY and NUTRITION

Topic 1-5. Diabetes: diagnosis, treatment, complications

Topic 6-7. Pituitary pathology

Topics 8-9. Thyroid pathology

Topics 10-11. Cervical and thyroid surgery
Topic 12: Calcium phosphorus
Topic 13. Parathyroid gland surgery
Topic 14-15. Gonad
Topic 16-17. Obesity
Topic 18-19: Obesity surgery
Topic 20-21. Suprarenal
Topic 22. Adrenal Surgery
Topic 23. Lipids
Topic 24. Miscellaneous
Topics 25-26. Artificial nutrition

4. Academic activities

Distributed throughout the seventh semester of undergraduate studies:

Master classes: 24 h of Cardiovascular and 26 h of Endocrinology-Nutrition

Sessions with the teacher in which the subject syllabus will be explained.

Hospital and simulator practices: Cardiovascular: 15 hours of attendance

Seminars: 3 h of Cardiovascular and 8 h of Endocrinology-Nutrition

They include medical and surgical pathology

Workshops: 3 h of Cardiovascular and 8 h of Endocrinology-Nutrition

They include medical and surgical pathology

Tutoring: 3h of Cardiovascular and 3h of Endocrinology-Nutrition

Assessment 5h of Cardiovascular and 4h of Endocrinology-Nutrition

Student work: 123 h

5. Assessment system

THEORY EVALUATION OF EACH SUBJECT: 70% of the **final grade**.

- **Format:** 40 multiple-choice questions with five options per question with only one correct answer. Not answered questions and incorrect answers will not be negatively evaluated.
- **Grading:** Pass with 70% of correct answers

EVALUATION OF SEMINARS/WORKSHOPS AND CLINICAL PRACTICES: 30% of the **final grade**.

- The **final grade**, between **0 and 3 points**, will be based on:
 - Attendance to practices and scheduled seminars/workshops: Mandatory
 - Second part of the theoretical exam, in the same exercise and call: Six clinical cases in multiple choice format, with five possible answers, one correct, without penalties, at 0.5 points for each correct answer.

- FINAL GRADE FOR EACH SUBJECT

It will be the result of adding the **final grades** obtained in the evaluation of theory and in the evaluation of seminars/workshops and clinical cases.

- FINAL GRADE OF THE SUBJECT

It will be the **weighted average** (in relation to the credits of each part of the subject) of the grades obtained in the final grade of each of their subjects, once they have been passed separately.

6. Sustainable Development Goals

3 - Good Health & Well-Being

4 - Quality Education

12 - Responsible Production and Consumption