



Universitat de Girona

Facultat de Medicina

Unitat d'Educació Mèdica

M8: Introduction to the Study of Medicine. Interaction with External Aggressors 2 (Year 2)

Knowledge Content

- Study the pathological anatomy of different organs and organ systems.
- Develop basic laboratory techniques for handling laboratory materials.
- Know the fundamentals of the interaction of radiation with the human body.
- Assess the indications and contraindications of radiological studies.
- Apply the radiation protection criteria in the diagnostic and therapeutic procedures with ionizing radiation.
- Read radiological images.
- Know the principles and indications of radiotherapy, inflammation, and alterations in cellular growth.
- Know the characteristics of tissues in different injuries, adaptation and cell death.
- Practise basic surgical procedures: cleansing, haemostasis, and wound suturing.
- Know wound pathophysiology (including burns, frostbites and other types of injury), cicatrization, surgical bleeding and thromboembolic prophylaxis.
- Know general surgical indications, pre-operative risks and post-operative complications.
- Learn about transfusions and transplants.

Competences

- Understand and recognize the structure and normal function of the human body —at the molecular, cellular, tissular, organic and systemic levels— during the life cycle and in both sexes.
- Understand and recognize the effects, mechanisms and manifestations of illness on the structure and function of the human body.
- Understand and recognize the effects of growth, development and ageing on the individual and his or her social environment.
- Understand the basis of therapeutic interventions, based on available scientific evidence.

Learning Methods

Problem-based learning tutorials (PBL)

PBL Question & Answer sessions

Laboratory Practice

Workshops

Lectures



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Evaluation

Formative assessment

PBL examination

Other forms of assessment, when appropriate

ECTS Credits

15