



M13: Intake, Processing and Elimination Systems 4. Metabolism and Disintoxication (Year 3)

Knowledge Content

- Recognize, diagnose and direct the management of the main digestive system pathologies.
- Study organs and organ systems pharmacology.
- Interpret a radiological image through a systematic approach.
- Use different drugs appropriately.
- Be familiar with analgesic and anti-neoplastic drugs.
- Recognize, diagnose and direct the management of the main infectious pathologies in different organs and organ systems.
- Study the basic radiological semiology of different organs and organ systems.
- Be familiar with other diagnostic image acquisition techniques.
- Interpret a normal laboratory result.
- Know how to take and interpret a complete anamnesis that is patient-centred and orientated towards different pathologies.
- Know how to conduct a physical examination by organ and organ system as well as a psychopathological examination.
- Study palliative medicine.
- Write medical history, reports, instructions and other records in a comprehensible manner to the patients, their family members and other professionals.

Competences

- Recognize the essential elements of the medical profession, including the ethical principles, legal responsibilities and patient-centred professional practice.
- Understand the importance of the use of these principles for the benefit of the patient, society and profession, giving special attention to professional confidentiality.
- Develop professional practice showing respect to patient autonomy, the patient's beliefs and culture.
- Develop professional practice in relating to other health professionals, acquiring the ability to work as a team.
- Understand and recognize the effects, mechanisms and manifestations of illness on the structure and function of the human body.
- Understand and recognize the causative agents and risk factors that determine the health status and development of disease.



Universitat de Girona

Facultat de Medicina

Unitat d'Educació Mèdica

- Understand the basis of therapeutic interventions, based on available scientific evidence.
- Obtain and write medical history that contains all the relevant information.
- Make an initial diagnosis and establish reasoned diagnostic strategies.
- Recognize and respond to urgent life-threatening situations and those that require immediate attention.
- Establish diagnosis, prognosis and treatment, applying the principles based on the best possible information and clinical safety.
- Indicate the appropriate therapy for common acute and chronic processes, and terminal illnesses.
- Plan and propose appropriate preventive measures to individual clinical situation.
- Acquire, under supervision, appropriate clinical experience, basic knowledge on patient-centred clinical management, appropriate use of tests, medications and other health-care system resources in hospitals, primary health care centres or other health-care institutions.
- Practise active listening, obtain and synthesize pertinent information from the problems that the patient is suffering from, and comprehend the content of such information.
- Write clear medical history and other medical records that a third party can understand.
- Communicate in an effective and clear manner—in both oral and written form—with the patients, their family members, the media and other professionals.
- Recognize the determinants of health of the population, taking into consideration the genetic factors as well as those that are sex- and lifestyle-dependent, or affected by demography, environment, society, economy, psychology and culture.
- Recognize the physician's role in multi-professional teams, assuming leadership when necessary for the provision of health care as well as health promotion interventions.
- Obtain and use epidemiological data, and assess tendencies and risks for health decision-making.
- Have knowledge of, assess critically and know how to use clinical and biomedical information resources to obtain, organize, interpret and communicate scientific and health information.
- Maintain and use patient records for further analysis, preserving data confidentiality.
- Formulate hypothesis, collect and assess information critically using the scientific method for problem solving.
- Acquire basic training for research activities.

Learning Methods

Problem-based learning tutorials (PBL)

PBL Question & Answer sessions

Workshops



Universitat de Girona

Facultat de Medicina

Unitat d'Educació Mèdica

Lectures

Supervised clinical clerkship (4 ECTS credits)

Evaluation

Formative assessment

PBL examination

Other forms of assessment, when appropriate

ECTS Credits

12 (8/4)