

Teaching guide

IDENTIFICATION DETAILS

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|--------------------------------------|--|---------------|------|
| Degree: | Medicine | | |
| Field of Knowledge: | Health Science | | |
| Faculty/School: | Bio-health Science | | |
| Course: | INTEGRATED MEDICAL AND SURGICAL PATHOLOGY II | | |
| Type: | Compulsory | ECTS credits: | 24 |
| Year: | 5 | Code: | 2745 |
| Teaching period: | Ninth-Tenth semester | | |
| Area: | Integrated Medical Surgical Pathology | | |
| Module: | Human Clinical Training | | |
| Teaching type: | Classroom-based | | |
| Language: | Spanish | | |
| Total number of student study hours: | 600 | | |

SUBJECT DESCRIPTION

The Medical and Surgical Pathology II course encompasses a large part of the nosological processes that medical professionals treat in their daily work: musculoskeletal system, haematology, nephron-urinary apparatus. Endocrinology and Neurology.

SKILLS

Basic / general / cross skills

Students must have demonstrated knowledge and understanding in an area of study that is founded on general

secondary education. Moreover, the area of study is typically at a level that includes certain aspects implying knowledge at the forefront of its field of study, albeit supported by advanced textbooks

Students must be able to apply their knowledge to their work or vocation in a professional manner and possess skills that can typically be demonstrated by coming up with and sustaining arguments and solving problems within their field of study

Students must have the ability to gather and interpret relevant data (usually within their field of study) in order to make judgments that include reflections on pertinent social, scientific or ethical issues

Students must be able to convey information, ideas, problems and solutions to both an expert and non-expert audience

Students must have developed the learning skills needed to undertake further study with a high degree of independence

To understand and recognise the causal agents and risk factors that determine health conditions and development of illness.

To understand and recognise the effects that the growth, development and aging of on the individual have on the social environment.

To obtain and develop a medical record containing all relevant information.

To perform a physical examination and conduct a mental assessment.

To have the ability to prepare an initial diagnosis and to establish a rational diagnostic strategy.

To indicate the most appropriate therapeutic treatment for the most common acute and chronic conditions, as well as for those who are terminally ill.

To consider and propose the appropriate preventive measures for each clinical situation

To understand the importance of these principles for the benefit of patients, society and the profession, particularly focussing on professional secrecy.

To acquire suitable clinical experience in hospital institutions, health centres or other healthcare institutions, under supervision, as well as basic knowledge on clinical management centred around the patient, and to suitably use tests, drugs and other resources afforded by the healthcare system.

To communicate effectively and clearly, both orally and in writing, with patients, families, the media and other professionals.

To establish good interpersonal communication that makes it possible to address patients, family members, media and other professionals with efficiency and empathy.

To recognise determining factors in the population's health, such as genetics, gender and lifestyle, as well as demographic, environmental, social, economic, psychological and cultural factors.

To know how to apply the principle of social justice to professional practice and understand the ethical implications of health in a global context of transformation.

To have a critical, creative viewpoint in professional activity with constructive scepticism focussed on research.

To understand the importance and limitations of scientific thought in the study, prevention and management of illness.

To engage in professional practice with regard to the independence, beliefs and culture of the patient.

To recognise one's limitations and the need to maintain and update professional skills, with particular emphasis on independent acquisition of new knowledge and techniques and a motivation to achieve quality.

To engage in professional practice with regard to other health professionals, gaining teamwork skills.

Specific skills

To recognise, diagnose and provide guidance in handling the main blood disorders.

To recognise, diagnose and provide guidance in handling the main renal and urinary disorders: hydroelectrolyte

imbalance, urinary infection and obstruction, renal failure, renal and urinary tract tumours, prostate disease, erectile dysfunction and other relevant renal and urinary conditions.

To recognise, diagnose and provide guidance in handling the main disorders of the musculoskeletal system: inflammatory and degenerative processes; injuries and fractures; tumours; and other relevant musculoskeletal disorders.

To recognise, diagnose and provide guidance in handling the main disorders of the endocrine system: diabetes and growth disorders. Other relevant endocrine conditions. Nutritional disorders.

To recognise, diagnose and provide guidance in handling the main disorders of the central and peripheral nervous system.

To be able to conduct a physical examination of systems, as well as a psychopathological examination, interpreting their meaning.

To recognise, diagnose and provide guidance in handling the most prevalent diseases of our time, as well as new ones emerging in our environment - de novo or owing to migration.

To be familiar with pain transmission pathways and their various therapeutic options. To understand the surgical process as a whole, from preoperative evaluation and surgery with anaesthesia care to the postoperative period in the ICU. To manage patients with organ failure in these units.

DISTRIBUTION OF WORK TIME

| CLASSROOM-BASED ACTIVITY | INDEPENDENT STUDY/OUT-OF-CLASSROOM ACTIVITY |
|--------------------------|---|
| 381 hours | 219 hours |