

Course Unit	Clinical Pathology II	Field of study	Expertise Sciences
Bachelor in	Biomedical Laboratory Sciences	School	School of Health
Academic Year	2022/2023	Year of study	2
Type	Semestral	Semester	2
Workload (hours)	135	Contact hours	T - TP 52 PL - TC - S - E - OT 8 O -
Level	1-2	ECTS credits	5.0
Code	9995-550-2205-00-22		

T - Lectures; TP - Lectures and problem-solving; PL - Problem-solving, project or laboratory; TC - Fieldwork; S - Seminar; E - Placement; OT - Tutorial; O - Other

Name(s) of lecturer(s) Raul Fernando Louro de Sousa

Learning outcomes and competences

At the end of the course unit the learner is expected to be able to:
Know the pathophysiology, prevalent diseases and laboratory tests for the diagnosis of the pathology of the respiratory, digestive, endocrine, urinary, genital, osteoarticular and nervous systems.

Prerequisites

Before the course unit the learner is expected to be able to:
1. To know the anatomy and physiology of the organic systems to be studied
2. Relate the anatomy and physiology of the organic systems to be studied

Course contents

Pathology of the respiratory system Diseases of the digestive tract Pathology of the endocrine system Changes in renal function Pathology of the female and male genital system Musculoskeletal pathology Nervous system pathology

Course contents (extended version)

1. Pathology of the respiratory system . Asthma . Pulmonary disease . Pulmonary infections
2. Diseases of digestive system . esophagus . stomach . intestine . biliary tract . liver . pancreas
3. Pathology of the endocrine system: . hypophysis . thyroid . adrenal . gonads . endocrine pancreas
4. Alterações da função renal . Rim . Aparelho excretor
5. Pathology of the genital system . testicle, penis and prostate . vulva, uterus, ovaries and breast
6. Osteoarticular pathology . Fracture . Osteoporosis . Osteoarthritis . Malformations in the spine
7. Pathology of the nervous system . Stroke . Parkinson's . Insanity . Demyelinating disease

Recommended reading

1. Kumar, Vinay, Cotran, Ramizi S. , & Robbins, Stanley L. (Eds.). (2003). Robbins Patologia Básica (7ª ed.): Saunders Elsevier Science.
2. . Rubin, Raphael, & Strayer, David S. (Eds.). (2005). Patologia: Bases Clinicopatológicas de Medicina (4ª ed.): Guanabara Brasil.
3. Sergio, J. Silveira, Coutinho, Isabel, & Marques, Sandra (Eds.). (2002). Fundamentos de Patologia para Técnicos de Saúde (2ª ed.): Lusociência
4. Pinto, Anabela Mota (2007): Fisiopatologia: Fundamentos e Aplicações (2ª ed): Lidel

Teaching and learning methods

The teaching method is essentially expositive with lecturing of the physiopathological mechanisms of diseases and pathologies affecting the human organ systems, with a special focus on complementary diagnostic exams

Assessment methods

- Final - (Regular, Student Worker) (Final, Supplementary, Special)
- Final Written Exam - 100%

Language of instruction

Portuguese

Electronic validation

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12-03-2023	12-03-2023	14-03-2023	26-03-2023