



UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Integrated Medical and Surgical Pathology 3

2122-3-H4101D260

Aims

RHEUMATOLOGY:

Elements of Semiotics (joint physical examination, laboratory tests, imaging); Epidemiology of rheumatic diseases, systemic connective- spondyloarthritis -vasculitis: etiology / pathogenesis, diagnostic criteria, laboratory and instrumental investigations, clinical picture, elements of therapy.

HAEMATOLOGY:

Etiology, anatomical and clinical characteristics of the main hematological (anemia, leukemia, myeloproliferative syndromes, coagulopathy). Interpretation of clinical signs and laboratory information for diagnosis; Including NGS techniques. Main therapeutic programs in hematology based on evidence.

INFECTIOUS DISEASES:

Etiology of major infectious diseases (bacterial, viral, fungal) and related clinical and laboratory typical signs for diagnosis and therapy.

UROLOGY:

Major urological syndromes, urogenital infections, Urinary, Oncology, Urology, Andrology Pathology, Laboratory Medicine.

NEPHROLOGY:

To provide evidence-based knowledge of the main medical diseases of the kidney and urinary tract. Ability to define the degree of renal function, to understand the major lab and diagnostics tests and ability in defining a

diagnostic pathway. Knowledge of the main methods of renal replacement therapy: dialysis and transplantation

Contents

To use the knowledge of Anatomy, Physiology, Biochemistry and others basic disciplines in dealing with organ and/or apparatus pathologies.

To be able to critically evaluate the commonly used diagnostic methods in medical practice.

To recognize the signs and symptoms of major diseases, to understand the results of laboratory and instrumental tests.

To know the pathogenesis and prognosis of the handled diseases.

Detailed program

Detailed program is available under the section of each module

Prerequisites

Physiology, General Pathology

Teaching form

Frontal lessons, subject to any ministerial changes following the COVID pandemic situation, with audio-visual aids and open discussion in the classroom, practice in smaller groups in outpatient clinics, wards and operating rooms.

Textbook and teaching resource

Educational material is available under the section of each module

Semester

second semester

Assessment method

The assessment of achieved objectives will be verified with written tests and oral exam. 33 single-answer questions with 4 answers of which only one exact (30 points) and oral exam (30 points).

The student who refuses a score >20 cannot participate in the next exam session.

Office hours

see the section of each module
