UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

SYLLABUS DEL CORSO

Rheumatology

2122-3-H4102D057-H4102D072M

Aims

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, treatment and prognosis of the handled diseases.

Contents

RHEUMATOLOGY:

Elements of Semeiotics (joint physical examination, laboratory tests, imaging).

Epidemiology of rheumatic diseases, connective tissue diseases - arthritis - vasculitis: etiology/pathogenesis, diagnostic/classification criteria, laboratory and instrumental investigations, clinical picture, elements of therapy.

Detailed program

RHEUMATOLOGY AND CLINICAL IMMUNOLOGY ELEMENTS:

Introduction to Rheumatology and classification of rheumatic diseases

Elements of epidemiology

Laboratory tests: autoantibodies (ANA, anti-ENA, anti-DNA, Rheumatoid factor, anti-CCP, ANCA, cryoglobulins, complement)

- Systemic Lupus Erythematosus
- Systemic Sclerosis (scleroderma)
- Dermatomyositis
- Polymyositis and other inflammatory myopathies
- undifferentiated connective tissue diseases, mixed connective tissue disease and overlapping syndromes
- Sjogren's syndrome
- anti-phospholipid syndrome

SYSTEMIC VASCULITIS

Large vessel vasculitis

- Giant cell vasculitis (Horton's arteritis Takayasu's arteritis)

Medium vessel vasculitis

- Polyarteritis nodosa
- Kawasaki's syndrome

Small vessel vasculitis

- Granulomatosis with polyangiitis (Wegener's granulomatosis)
- Microscopic polyangiitis
- Eosinophilic granulomatosis with polyangiitis (Churg-Strauss syndrome)
- Henoch-Schonlein purpura
- Mixed cryoglobulinemia
- Goodpasture's syndrome

Behcet's disease

Familial mediterranean fever and other auto inflammatory diseases

IgG4-related disease

Relapsing polychondritis

ARTHRITIS AND SPONDYLOARTHRITIS

- Rheumatoid arthritis
- Ankylosing spondylitis and other spondyloarthritis

CRYSTALLINE ARTHRITIS

Gender differences in prevalence, clinical manifestations, outcome, treatment response of rheumatic diseases will be specifically addressed. Pain management in patients with rheumatic diseases will also be handled.

Prerequisites

Have passed the exams indicated in the regulation with regard to the preparatory procedures.

Teaching form

Frontal lessons with interactive presentation software, clinical cases discussion, small groups activities.
Lessons will also be recorded and the video lectures will be available on demand

Textbook and teaching resource

- Firestein, G. S., Budd, R. C., Gabriel, S. E., McInnes, I. B., & O'Dell, J. R. (2020). *Firestein & Kelley's Textbook of Rheumatology-E-Book*. Elsevier Health Sciences.

- Eular Textbook on Rheumatic Diseases 3rd edition, 2018

Semester

second semester

Assessment method

The assessment of achieved objectives will be verified with written tests and oral exam. 30 single-answer questions

with 4 answers of which only one exact (30 points) and oral exam (30 points).

Office hours

Contact the Professor by e-mail