UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

SYLLABUS DEL CORSO

Rheumatology

2526-3-H4102D057-H4102D072M

Aims

- To learn the epidemiology of the main rheumatological diseases.
- To recognize the main signs and symptoms of rheumatological diseases.
- To interpret and critically evaluate the results of laboratory and imaging tests for diagnosis and monitoring.
- To acquire notions on the prognosis and on the measurement of the disease outcomes.
- To apply the knowledge acquired in the differential diagnostic reasoning of the principal rheumatological clinical presentations.
- To acquire notions on the pathogenetic basis of the therapy.

Contents

RHEUMATOLOGY

- Classification of rheumatic diseases.
- Elements of semeiotics (joint physical examination, laboratory tests, imaging).
- Inflammatory arthropathies, connective tissue diseases, vasculitis: epidemiology, clinical pictures, laboratory and instrumental investigations, diagnostic/ classification criteria, prognosis and pathophysiological basis of therapy.

Detailed program

RHEUMATOLOGY

- Introduction to rheumatology and classification of rheumatic diseases

PRIMARY ARTHRITIS

- Rheumatoid arthritis
- Axial and peripheral spondyloarthritis

CRYSTAL ARTHROPATHIES

- Gout
- Calcium Pyrophosphate Crystal Arthropathy (CPPD)

CONNECTIVE TISSUE DISEASES

- Systemic Lupus Erythematosus
- Systemic Sclerosis
- Dermatomyositis, Polymyositis and other inflammatory myopathies
- Undifferentiated connective tissue disease, mixed connective tissue disease and overlap syndromes
- Sjogren's syndrome
- Anti-phospholipid antibody syndrome

SYSTEMIC VASCULITIDES

- Classification of vasculitis
- Large vessel vasculitis (Giant Cell Arteritis / polymylagia rheumatica and Takayasu's arteritis)
- Polyarteritis nodosa
- ANCA-associated vasculitides
- Immune-complex vasculitides
- Behcet's disease

EXTRA-ARTICULAR RHEUMATISMS

- Fibromyalgia

Gender differences in prevalence, clinical manifestations, outcome, treatment response of rheumatic diseases will be specifically addressed.

Prerequisites

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

Teaching form

All lessons are conducted in person in a frontal mode:

- 8 frontal lessons of 2 hours each conducted in person
- 2 interactive lessons with small groups activities of 2 hours each conducted in person

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 oral exam on the topics discussed during the course, with particular focus on the differential diagnosis.

Office hours

Contact the Professor by e-mail

Sustainable Development Goals

GOOD HEALTH AND WELL-BEING | QUALITY EDUCATION | GENDER EQUALITY