



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## COURSE SYLLABUS

### Rheumatology

2425-3-H4102D057-H4102D072M

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#### 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 (Horton's arteritis / polymyalgia 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.
- Euler 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

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