

## SYLLABUS DEL CORSO

### Reumatologia

2223-3-H4101D260-H4101D067M

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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

- Semeiotics of rheumatological diseases
- Laboratory tests: autoantibodies.
- Imaging in rheumatology.

## **PRIMARY ARTHRITIS**

- Rheumatoid arthritis
- Axial and peripheral spondyloarthritis
- Differential diagnosis with osteoarthritis

## **INFECTIOUS ARTHRITIS**

- Viral arthritis
- Bacterial and mycobacterial arthritis

## **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
- Giant cell vasculitis (Horton's arteritis / polymyalgia rheumatica and Takayasu's arteritis)
- Polyarteritis nodosa
- Granulomatosis with polyangiitis (Wegener's granulomatosis)
- Microscopic polyangiitis
- Eosinophilic granulomatosis with polyangiitis (Churg-Strauss syndrome)
- Henoch-Schonlein Syndrome (IgA Vasculitis)
- Mixed cryoglobulinemia
- Behcet's disease

## **AUTOINFLAMMATORY AND MISCELLANEOUS DISEASES**

- Familial Mediterranean fever and other autoinflammatory diseases
- IgG4 disease
- Relapsing polychondritis

## **EXTRA-ARTICULAR RHEUMATISM**

- 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**

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

## **Textbook and teaching resource**

- Montecucco, C. et Al. (2021). Reumatologia per studenti e medici di medicina generale. Idelson-Gnocchi
- 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.

## **Semester**

First semester

## **Assessment method**

The assessment of achieved objectives will be verified with written tests and oral exam.

The written test has the purpose of ascertaining important specific knowledge on a wide spectrum of rheumatological diseases.

The evaluation criteria of the oral exam will privilege the skills of differential diagnosis.

## **Office hours**

Contact the Professor by e-mail

## **Sustainable Development Goals**

GENDER EQUALITY

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