UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Respiratory Tract Diseases A

2627-3-H4101D257-H4101D041M

Aims

Past Medical history, Diagnostic reasoning on symptoms, Main clinical signs and symptoms related to diseases of the respiratory system. Role, limits and purpose of laboratory tests

Contents

Collection of elements of medical history and execution of general and specific physical examination and laboratory tests for the respiratory system. Differential diagnosis on main pulmonary symptoms and diseases.

Detailed program

Anatomy, physiology and pathophysiology of the lung;

Basic knowledge of respiratory endoscopy, pulmonary function tests, imaging of the thorax, acute and chronic respiratory failure, including blood gas analysis interpretation;

Prevention and diagnosis of lung infections, including pneumonia and tuberculosis;

Chronic pulmonary diseases, including asthma, COPD, bronchiectasis and cystic fibrosis;

Pleural diseases, including pneumothorax, pleural effusion and pleural infections. Basic knowledge of pleural procedures and imaging;

Interstitial lung disorders, including sarcoidosis and idiopathic pulmonary fibrosis;

Epidemiology, diagnosis and staging of pleural and lung tumors;

Principles of smoking cessation

Sleep-related breathing disorders: central and obstructive sleep apnea — pathophysiology, etiology, clinical presentation, and treatment

Fundamental Principles of Artificial Intelligence Implementation in Respiratory Medicine.

Prerequisites

Propaedeutic skills

Teaching form

The activities will be conducted in small group sizes as follows:

- 8 hours (4 2-hour tutorials) in erogative in-person modality
- 4 hours of exercises in interactive mode (including 2 hours of independent work by students and 2 hours of interactive discussion of clinical cases in synchronous online modality) - Interdisciplinary activity in co-presence with lecturer of the module CARDIOVASCULAR SYSTEM DISEASES C

Textbook and teaching resource

Harrison’s: “Principles of Internal Medicine” Ed. McGraw Hill

For further insight

HURST- The Heart 12th Ed. McGraw Hill

Dioguardi – Sanna: Moderni aspetti di semeiotica medica - Segni sintomi e malattie Ed.Seu

Sabiston: “Textbook of surgery” Ed. Saunders

Zanussi: “Il metodo in medicina clinica” Ed. Mattioli

McPherson RA, Pincus MR Henry's Clinical Diagnosis and Management by Laboratory Methods, 23a English edition. Ed. Elsevier, 2016

Federici G. Medicina di laboratorio ed McGraw-Hill. IV ed., 2014

Marshall W, Lapsley M., Day A Clinical chemistry ed Mosby. 8a ed. Ed. Elsevier, 2016

Semester

1st semester

Assessment method

see main course syllabus

Office hours

On appointment (paola.faverio@unimib.it)

Sustainable Development Goals

GOOD HEALTH AND WELL-BEING