

# UNIVERSITÀ DEGLI STUDI DI MILANO-BICOCCA

# **COURSE SYLLABUS**

# **Respiratory Sciences**

2324-4-H4102D027-H4102D100M

#### **Aims**

The student will attend the wards and outpatient clinic of Pulmonary Medicine Unit to acquire the first clinical skills

#### **Contents**

The clerkship will cover the most important aspects related to the most common Respiratory diseases. Students will acquire the basic knowledge required to take history and recognize acute and chronic respiratory failure and obstructive and restrictive diseases signs and symptoms. Students will take part to both outpatient and inpatient clinical activity, including attendance in pulmonary function tests laboratory. Alongside the medical staff, they will improve skills in carrying out the chest physical assessment and indications for the prescription and interpretation of arterial blood gas analysis and chest radiologic imaging.

#### **Detailed program**

Take a history, perform a physical chest examination on patients with pulmonary diseases such as asthma, chronic obstructive pulmonary disease, interstitial lung disease, pulmonary hypertension, pulmonary embolism, pneumonia and respiratory failure and basic concepet of their clinical management

Take a history, perform a physical chest examination on patients with pleural diseases such as pleurisy and pneumothorax and basic concepet of their clinical management

Take a history, perform a physical chest examination on patients with pleuropulmonary cancer and indication to diagnostic procedure such as Thoracentesis, Trans thoracic biopsy and Bronchoscopy

Know the main bronchopulmonary diseases secondary to exposure to smoke

Indication and basic concepts of intepretation of pulmonary function tests including spirometry, lung volumes, diffusing capacity of carbon monoxide and exhaled nitric oxide detection

Chest plain radiograph, CT-scan and US in pulmonary diseases: indication and most clinical relevant findings

Basic concept about prescription of oxygen therapy and non-invasive ventilation

Use of personal protective equipment in the patient with respiratory infection

# **Prerequisites**

Basic Clinical Skills course
Basics concepts of anatomy and physiology of the respiratory system

## **Teaching form**

Practical guided observation activities with briefings and debriefings by hospital tutors of Respiratory Medicine Unit

## Textbook and teaching resource

to be defined by the tutor

## Semester

First semester

#### **Assessment method**

Practical skills observation and rating scale assessment

#### Office hours

by email appintment

# **Sustainable Development Goals**

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