UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Respiratory Sciences

2425-4-H4102D089-H4102D100M

Aims

The student will attend the clinical ward and outpatient clinic of Pulmonary Medicine Unit to acquire the first clinical skills
Participation in the daily clinical meeting with the Head.

Contents

The clerkship will cover the main 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