



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## SYLLABUS DEL CORSO

### Advances in Metabolic Bone Diseases

2324-3-H4102D093

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#### Aims

The purpose of the course is to deepen the knowledge on osteoporosis and other common disorders of phospho-calcium metabolism learned in the basic course of endocrinology. Alongside a review of elements of physiology and pathophysiology, students will be provided with the tools, used in clinical practice, for a greater understanding of the differential diagnosis between pathologies that can occur in bone and phospho-calcium metabolism.

#### Contents

Osteoporosis and others most common phospho-calcium disorder

#### Detailed program

Insights related to osteoporosis: diagnosis of osteoporosis; distinction between primary and secondary osteoporosis; differential diagnosis between fractures: related to fragility, trauma, or secondary to metastatic localization; densitometry: interpretation and pitfalls. Overview of other common phospho-calcium metabolism disorders: osteomalacia; hyper/hypoparathyroidism; hypophosphatemia; hypomagnesemia.

#### Prerequisites

Propaedeutic skills

## **Teaching form**

- Frontal lectures
- Clinical case description and analysis

In the event of pandemic emergency period, the lectures and clinical case/problem discussions will be held remotely by synchronous online videoconference or recorded video lectures available on demand

All course activities will be held in English language

## **Textbook and teaching resource**

- Harrison's Principles of Internal Medicine 20th Edition 2018, McGraw-Hill
- Greenspan's Basic and Clinical Endocrinology, Tenth Edition 2017, McGraw-Hill

## **Semester**

second semester

## **Assessment method**

- Oral examination on the topics covered during the lectures, discussion on clinical problem solving and clinical
- Case analysis
- All assessments will be done in English language

## **Office hours**

To get an appointment, please contact the teachers by e-mail:

Prof. Roberto Trevisan, e-mail [roberto.trevisan@unimib.it](mailto:roberto.trevisan@unimib.it)

Dr. Sara Cassibba, e-mail [scassibba@asst-pg23.it](mailto:scassibba@asst-pg23.it)

## **Sustainable Development Goals**

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

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