



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## COURSE SYLLABUS

### Endocrinology A

2425-3-H4101D258-H4101D049M

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#### Aims

The primary goal of the course, provided in two modules, Endocrinology A and Endocrinology B, is to provide students with the pathophysiologic basis to understand the clinical and surgical semeiotics and the physiopathology of the endocrine system in order to make correlations between the inner mechanisms of diseases and their clinical expression. The student will be able to interpret symptoms, signs and laboratory tests as well as radiologic and endoscopic findings. Clinical tools to understand concepts of organ-limited disease, system involvement or systemic disease will be provided.

#### Contents

Hypothalamic and pituitary disease; thyroid diseases, disorders of calcium and phosphorus metabolism and parathyroid diseases. Adrenal disease. Hypogonadism.

#### Detailed program

HYPOTHALAMIC AND PITUITARY DISEASES Pituitary Physiology and Diagnostic Evaluation, Pituitary Masses and Tumors: non secreting and secreting (prolactin, GH, TSH, ACTH, FSH/LH), pituitary adenomas, hypopituitarism (panhypopituitarism and selective hormone deficiencies), neuropituitary diseases (diabetes insipidus, Syndrome of Inappropriate Antidiuretic Hormone Secretion) , THYROID DISEASES Hyperthyroidism (Graves-Basedow, Plummer, multinodular goiter), hypothyroidism and thyroiditis, thyroid nodule, thyroid cancer, DISORDERS OF CALCIUM AND PHOSPHORUS METABOLISM AND PARATHYROID DISEASES Hyperparathyroidism, Hypoparathyroidism, pseudohypoparathyroidism, Paget diseases, Osteoporosis. ADRENAL DISEASES Sindrome di Cushing, Addison's Disease, hyperaldosteronism, pheochromocytoma/paraganglioma and endocrine hypertension.

## **Prerequisites**

Propaedeutic skills

## **Teaching form**

Lectures (12 hours) and exercises with a special focus on 2 clinical cases (diagnosis of hypothyroidism and diagnosis of hyperthyroidism) splitting the students in four groups making easy interaction during the clinical case presentation (3 hours)

Lessons will be provided in presence

## **Textbook and teaching resource**

“Malattie del Sistema Endocrino e del Metabolismo” Giovanni Faglia, Paolo Beck- Peccoz IV ed. 2016, Collana Patologia sistematica medica e chirurgica, McGraw-Hill ISBN 9788838623929

“Endocrinologia e metabolismo” Giovanni Faglia, Paolo Beck-Peccoz, Anna Spada, Andrea Lania. Edizione 2009, Collana Core Curriculum, McGraw-Hill. ISBN: 9788838639586.

“HARRISON - Clinical Endocrinology” J. Larry Jameson Edizione 2007, Editore da McGraw-Hill. ISBN: 9788838639210

## **Semester**

Second semester

## **Assessment method**

Oral test (in person)

## **Office hours**

Appointment requested by email.

## Sustainable Development Goals

GOOD HEALTH AND WELL-BEING | GENDER EQUALITY

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