



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## SYLLABUS DEL CORSO

### Endocrinologia A

1718-3-H4101D258-H4101D049M

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#### Aims

The primary goal of the course is to provide students with the pathophysiologic basis to understand the clinical and surgical semeiotics and the physiopathology of the digestive and 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 diseases, Hypogonadism. Diabetes. Dyslipidemias, Gout. Obesity and underweight.

#### 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,

#### REPRODUCTION

Physiology and Pathology of the Female Reproductive Axis, Hormonal Contraception, Testicular Disorders, Sexual Dysfunction in Men and Women

#### MULTIPLE ENDOCRINE NEOPLASIA

MEN1, MEN2A, MEN2B

#### DIABETES AND METABOLIC DISEASES

Type 2 Diabetes Mellitus, Type 1 Diabetes Mellitus, Gestational diabetes, Complications of Diabetes Mellitus, hypoglycaemia, control of energy metabolism, obesity, gout, dyslipidemias, Gastrointestinal Hormones

### **Prerequisites**

Propaedeutic skills.

### **Teaching form**

Lectures and exercises.

### **Textbook and teaching resource**

"Malattie del Sistema Endocrino e del Metabolismo" Giovanni Faglia, Paolo Beck-Peccoz IV edizione giugno 2016, Collana Patologia sistematica medica e chirurgica, Editore McGraw-Hill ISBN 9788838623929

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

"HARRISON - Endocrinologia Clinica" J. Larry Jameson Edizione 2007, Editore McGraw-Hill. ISBN: 9788838639210

**Semester**

Second semester

**Assessment method**

Written and oral test.

**Office hours**

Appointment to be taken by email.

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