



UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Endocrinology

1920-2-H4601D007-H4601D024M

Aims

The primary goal of the course is to provide students with the pathophysiologic basis of the metabolic and endocrine diseases with specific relevance for odontoiatric diseases 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 findings. Clinical tools to understand concepts of organ-limited disease, system involvement or systemic disease will be provided.

Contents

Relevance of endocrine and metabolic disease in the pathogenesis of parodontopathy

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

Diabetes, hypoglycemia and importance of anamnestic collection in patients with metabolic diseases

Dyslipidemias. Gout. Obesity.

Detailed program

Reciprocal influence between parodontopathy and diabetes.

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 Syndrome di Cushing, Addison's Disease, hyperaldosteronism, pheochromocytoma/paraganglioma and endocrine hypertension. 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

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, Edito da McGraw-Hill ISBN 9788838623929

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

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

Semester

Second semester

Assessment method

Oral exam

Office hours

Appointment requested by email.

