UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Endocrinology

2021-2-H4601D007-H4601D024M

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 endocrine system in order to make correlations between the inner mechanisms of diseases and their clinical expression with special emphasis on the pathogenesis of periodontitis and its relevance on metabolic disease and on the way the dentist need to handle patients with endocrine and metabolic diseases. 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. Diabetes and protocol to handle diabetic patient in the dentist’s office. 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 metabolis, obesity, gout, dyslipidemias, Diabetes and periodontitis. Handling protocol for patients with diabetes in the dentist's office

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, 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 test

Office hours

By e-mail