

Tematica de Curs si Lucrari Practice Endocrinologie modul in Limba Engleza

Lecture 1. Endocrine system, endocrine glands - introductory notions

Hormones, structure, transport, metabolism, mechanism of action

Endocrine receptors: structure, regulation

Endocrine regulation systems

Lecture 2. Pituitary gland

- Anatomy, hormonology (structure, mechanisms of action, regulation)

• Secreting and non-secreting pituitary adenomas

- classification

- pituitary tumor syndrome

- Diagnosis

- Treatment

Lecture 3. Neuroendocrinology - Neurosciences of the hypothalamic-pituitary system

Hypothalamus - anatomy, physiology

Hypothalamic pathology

- insipid diabetes

- ADH inadequate secretion syndrome

- pituitary isolation syndrome

- Craniopharyngioma

Pituitary insufficiency of the adult

- Classification, etiopathogenesis, diagnosis, treatment

- Sheehan Syndrome

Lecture 4. Endocrine growth and development disorders

Classification

etiopathogeny

Diagnostic

Treatment

Lecture 5. Thyroid

Anatomy, hormonology, biosynthesis, mode of action, regulation

Acute, subacute and chronic thyroiditis.

Endemic goiter and iodine deficiency.

Lecture 6. The thyroid

Thyroid hyperfunction - thyrotoxicosis: classification, etiopathogenesis, clinical semiology, diagnosis, treatment. Graves Basedow disease, hyperthyroidized multinodular gland, toxic adenoma. The thyrotoxic crisis

Thyroid hypofunction: classification, etiopathogenesis, clinic, diagnosis, treatment.

Mixedematous coma

Lecture 7. The thyroid

Thyroid nodule.

Differentiated, medullary and undifferentiated thyroid cancer

Lecture 8. Parathyroids: anatomy; physiology.

Phosphocalcic homeostasis (vitamin D, parathyroid hormone, calcitonin)

Parathyroidal hypofunction; tetany

Parathyroid hyperfunction: primary and secondary hyperparathyroidism

Endocrine osteoporosis: classification, diagnosis, treatment

Lecture 9. Adrenal cortical: anatomy; hormonology: biosynthesis, action, regulation

Cushing's syndrome: classification of etiopathogenesis, clinical diagnosis, treatment

Chronic primary adrenal corticosteroid (Addison's disease) and acute syndrome, diagnosis, treatment

Lecture 10. Endocrine HTA: Classification

Primary hyperaldosteronism - clinical, diagnosis, treatment

Pheochromocytoma - clinical, diagnostic, treatment

Multiple Endocrine Neoplasia Syndromes, Neuroendocrine Tumors - Generalities

Lecture 11. Gonads: anatomy; hormonologie

The process of normal sexualization: stages, normal and pathological puberty;

Sexual differentiation disorders - Turner, Sd Klinefelter, androgen resistance syndrome

Congenital adrenal hyperplasia: clinical forms, diagnosis, treatment

Lecture 12. Ovary (anatomy, physiology) and ovarian pathology

The polycystic ovary syndrome. Hirsutism.

Endocrine infertility, menopause

Course 13. Testiculus (anatomy, physiology) and testicular pathology

Course 14. Obesity and metabolic syndrome - etiopathogenesis, complications, treatment

Clinical training (practical hours)

Diseases of the hypothalamus and pituitary

- Insipid Diabetes (clinical forms)
- Inappropriate vasopressin secretion syndrome
- Pituitary tumor syndrome
- Secreting and non-secretory pituitary tumors
- Pituitary Nanoscience
- Multi-hormonal pituitary insufficiency
- Turmeric Syndrome
- Pituitary isolation syndrome
- craniopharyngioma

Thyroid diseases

- Endemic Goiter
- Nontoxic nodular collar (solitary, polynodular nodule)
- Graves Basedow disease
- Thyroid toxic adenoma, hyperthyroidism
- Tyreotoxic crisis.
- The congenital mixedema
- Adult mixedema (autoimmune, post-thyroidectomy, post-treatment with radioactive iodine).
- Mixedematous coma
- Acute, subacute and chronic thyroiditis.
- Thyroid cancer

Parathyroid diseases

- Hypoparathyroidism
- Primary and secondary hyperparathyroidism
- Endocrine osteoporosis

Medular adrenal diseases

- pheochromocytoma

Adrenal cortical diseases

- Chronic primary adrenal corticosteroid insufficiency (Addison's disease)
- Cushing's syndrome and disease (hypercortisolic syndrome)
- Congenital adrenal hyperplasia
- Adrenal cortical tumor syndrome
- Primary hyperaldosteronism.

Ovarian diseases

- Normal and pathological female puberty
- DSD
- Polycystic ovary syndrome
- Primary and secondary amenorrhea
- Female infertility
- Menopause

Testicular diseases

- DSD
- Normal and pathological male puberty
- Cryptorchidia, gynecomastia.
- Testicular insufficiency of the adult
- Erectile dysfunction syndromes.
- Male infertility