

Syllabus
Pathological Physiology 2
Summer Semester 2022/2023
Week 10

General Medicine

1. Lecture

- Supraren disorders: Adrenocortical hypofunction (Addison's disease) incl. fulminant adrenalitis
 - Hypercortisolism - etiopathogenesis, forms, manifestations (Cushing's disease and syndrome)
 - Hyperaldosteronism - etiopathogenesis, forms, manifestations (incl. Conn's syndrome)
 - Congenital adrenal hyperplasia
 - Hyperfunction of adrenal medulla
- Thyroid disorders: Hyperthyroidism - etiopathogenesis, forms, manifestations; thyrotoxicosis; hyperfunctional goiter
 - Hypothyroidism - etiopathogenesis, forms, manifestations; Hypo- /normofunctional goiter

2. Seminars

- T: Disorders of endocrine system – gonadal disorders– classification, etiopathogenesis, clinical signs.
- S: Parathyroid disorders - classification, etiopathogenesis, clinical signs, calcium metabolism

3. Examination of knowledge (quiz, oral examination)

4. Presentations of semester works and selected topics according to the group schedules.

Dental Medicine

1. Lecture

- Hypothalamus – pituitary disorders – GH diseases, SIADH, Diabetes insipidus
- Suprarenal, thyroid, and parathyroid disorders

2. Seminars

- T: Disorders of endocrine system – introduction to endocrinology, classification of endocrinopathies
- S: Parathyroid disorders - classification, etiopathogenesis, clinical signs, calcium metabolism

3. Examination of knowledge (quiz, oral examination)

4. Presentations of semester works and selected topics according to the group schedules.

Seminars (S) = special topics for discussion; **Tutorials & homework & exams (T)** = discussions, consultations, oral and quiz exams on the current topics.

Note: The range of topics and their timetable during the tutorials and seminars in each group is determined by the teacher and to a large extent, by the presentations, consultation interests, questions and readiness of the group and may vary in between groups. Neither tutorials nor seminars are lectures, but dialogue and discussion and thus require an active participation and preparation of students for the topics.

Recommended audio-visual materials

- Addison's syndrome <https://www.youtube.com/watch?v=wqJUifWOGEO>
- Cushing's syndrome <https://www.youtube.com/watch?v=ea1sXgd5ui8>
- Conn's syndrome <https://www.youtube.com/watch?v=JBfkGNr01V8>
- Congenital adrenal hyperplasia <https://www.youtube.com/watch?v=SLqWDg36u74>
- Autoimmune thyroid diseases <https://www.youtube.com/watch?v=GI1-INPQpTo>
- Hyperthyroidism <https://www.youtube.com/watch?v=QvsjUOqax8U>
- Hyperthyroidism <https://www.youtube.com/watch?v=l2L1NXhZOE>
- Thyroid cancer <https://www.youtube.com/watch?v=ewV9xHCq9vM>