

Syllabus
Pathological Physiology 2
Summer Semester 2021/2022
Week 10

General Medicine

A. Online lecture via Microsoft Teams

1. Endocrine system III
 - 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
2. Endocrine system IV
 - Hyperthyroidism - etiopathogenesis, forms, manifestations; thyrotoxicosis; hyperfunctional goiter
 - Hypothyroidism - etiopathogenesis, forms, manifestations; Hypo- /normofunctional goiter

B. Presence seminars

1. Endocrine system
 - Disorders of endocrine system – gonadal disorders, parathyroid disorders, calcium metabolism
2. Examination of knowledge (quiz, oral examination)
3. Semester work presentations according to the schedule within each group
4. Presentations of selected topics according to the systems based on a group schedules

Dental Medicine

A. Online lecture via Microsoft Teams

1. Endocrine system I
 - Hypothalamus – pituitary disorders – GH diseases, SIADH, Diabetes insipidus
2. Endocrine system II
 - Suprarenal, thyroid and parathyroid disorders

B. Presence seminars

1. Endocrine system
 - Disorders of endocrine system – parathyroid disorders, calcium metabolism
2. **4th credit test** (nervous system and kidneys) 22.4.2022 (Friday groups)
 - **Multiple choice (Yes/No) test**
 - **Open questions test**
 - All information available at <http://patfyz.medic.upjs.sk/einfo.htm>
 - Topics of credit test available at <http://patfyz.medic.upjs.sk/CREDIT%20test%20IV%20DM.pdf>
 - Study materials available at <http://patfyz.medic.upjs.sk/estudmat.htm>
3. Examination of knowledge (quiz, oral examination)
4. Semester work presentations according to the schedule within each group
5. Presentations of selected topics according to the systems based on a group schedules

Note: The range of topics and their time-table 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 audiovisual 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=G11-INPQpTo>
- Hyperthyroidism <https://www.youtube.com/watch?v=QvsjUOqax8U>
- Hyperthyroidism <https://www.youtube.com/watch?v=I2L1NXhZOEE>
- Thyroid cancer <https://www.youtube.com/watch?v=ewV9xHCq9vM>