

Syllabus
Pathological Physiology 2
Summer Semester 2022/2023
Week 11

General Medicine

1. Lecture

- Diabetes mellitus – classification, etiopathogenesis, manifestation, insulin resistance, diagnosis, acute and chronic complications

2. Seminars

- T: Diabetes mellitus - classification, etiopathogenesis, manifestation, insulin resistance, diagnosis
 - Metabolic syndrome.
- S: Diabetes mellitus - acute complications hypoglycemic and hyperglycemic, chronic complications – micro- and macrovascular

3. Examination of knowledge (quiz, oral examination)

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

Dental Medicine

1. Lecture

- Diabetes mellitus – classification, etiopathogenesis, manifestation, insulin resistance, diagnosis, acute and chronic complications

2. Seminars

- T: Diabetes mellitus - acute complications hypoglycemic and hyperglycemic, chronic complications – micro- and macrovascular
- S: Diabetes mellitus - classification, etiopathogenesis, manifestation, insulin resistance, diagnosis
 - Diabetes mellitus in dentistry

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

- Diabetes mellitus (type 1, type 2) & diabetic ketoacidosis (DKA) <https://www.youtube.com/watch?v=-B-RVybvfU>
- Diabetes Type 1 and Type 2, Animation. <https://www.youtube.com/watch?v=XfyGv-xwjl>
- Symptoms and Complications of Diabetes | Nucleus Health <https://www.youtube.com/watch?v=ILGpRQNAku4>
- Insulin Receptor and Type 2 Diabetes <https://www.youtube.com/watch?v=VbwRYFMPZS4>
- Gestational Diabetes, Animation <https://www.youtube.com/watch?v=UIQgollGQEU>
- LADA diabetes- <https://www.youtube.com/watch?v=HJcpk44svTM>
- Diabetes Complication and Pathophysiology of the complication <https://www.youtube.com/watch?v=ZnnVUq1P5Yo>
- Hyperglycemia and neuropathy, nephropathy and retinopathy. DM complications <https://www.youtube.com/watch?v=mMti2CEEIM>
- Diabetic Ketoacidosis (DKA) Pathophysiology, Animation <https://www.youtube.com/watch?v=r2tXTjb7EqU>
- LADA diabetes- <https://www.youtube.com/watch?v=HJcpk44svTM>