

**Syllabus**  
**Pathological Physiology 2**  
**Summer Semester 2021/2022**  
**Week 11**

**General Medicine**

**A. Online lecture via Microsoft Teams**

1. Diabetes mellitus I
  - Diabetes mellitus – classification, etiopathogenesis
2. Diabetes mellitus II
  - Diabetes mellitus – manifestation, insulin resistance, diagnosis, acute and chronic complications

**B. Presence seminars**

1. Diabetes mellitus
  - Metabolic syndrome
  - Acute and chronic complications
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. Diabetes mellitus I
  - Diabetes mellitus – classification, etiopathogenesis
2. Diabetes mellitus II
  - Diabetes mellitus – manifestation, insulin resistance, diagnosis, acute and chronic complications

**B. Presence seminars**

1. Diabetes mellitus
  - Acute and chronic complications
  - Diabetes mellitus in dentistry
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

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**

- 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>