

**Syllabus**  
**Pathological Physiology 2**  
**Summer Semester 2022/2023**  
**Week 12**

## **General Medicine**

### **1. Lecture**

- Peptic ulcer of stomach and duodenum
- Intestinal motility disorders - Constipation, Ileus, Diarrhoea, Irritable bowel syndrome
- Malabsorption and maldigestion
- Inflammatory bowel disease (Crohn's disease & ulcerative colitis)

### **2. Seminars**

- T: Disorders of pharynx and oesophagus, Gastroesophageal reflux disease (GERD) - etiopathogenesis, manifestation, complications
  - GIT symptoms – malabsorption, maldigestion, diarrhoea, constipation – classification, causes, symptomatology
- S: Celiac disease - etiopathogenesis, manifestation, complications
- Jaundice. – classification, causes, symptomatology, biochemical findings

### **3. Practical Protocol 3: Experimental gastric ulcer in the rat**

- Movie (link) available at our web page <http://patfyz.medic.upjs.sk/estudmat.htm>. The video contains subtitles. If subtitles do not appear, you have to select Caption English.
- Theoretical introduction available at [http://patfyz.medic.upjs.sk/estudmat/Practical%20lessons%20PP%20\(last\).pdf](http://patfyz.medic.upjs.sk/estudmat/Practical%20lessons%20PP%20(last).pdf)
- Editable protocol form available at <http://patfyz.medic.upjs.sk/estudmat.htm>
- Prepare the protocols and pass them on to the teacher according to the instructions.

### **4. Examination of knowledge (quiz, oral examination)**

### **5. Presentations of semester works and selected topics according to the group schedules.**

## **Dental Medicine**

### **1. Lecture**

- Peptic ulcer of stomach and duodenum
- Intestinal motility disorders - Constipation, Ileus, Diarrhoea, Irritable bowel Syndrome
- Inflammatory bowel disease (Crohn's disease & ulcerative colitis)

### **2. Seminars**

- T: GIT symptoms – malabsorption, maldigestion, diarrhoea, constipation – classification, causes, symptomatology
- S: Disorders of oral cavity
  - Disorders of pharynx and oesophagus, Gastroesophageal reflux disease (GERD) - etiopathogenesis, manifestation, complications
  - Disorders of pancreas – acute and chronic pancreatitis - classification, causes, symptomatology, complications

### **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**

- GERD- <https://www.youtube.com/watch?v=kXJLbFCeroc>
- Peptic ulcer disease - <https://www.youtube.com/watch?v=E0IBMWQDEH4>
- Helicobacter pylori - [https://www.youtube.com/watch?v=x3aZDY9Q\\_Qk](https://www.youtube.com/watch?v=x3aZDY9Q_Qk)
- Celiac disease - <https://www.youtube.com/watch?v=nXzBApAx5iY>
- Bowel obstruction - <https://www.youtube.com/watch?v=sBm12CkNtAo>
- Inflammatory bowel disease - <https://www.youtube.com/watch?v=iefghc2g91M>
- Jaundice - <https://www.youtube.com/watch?v=6akhmBqAe2g>