

Syllabus - Distance learning
Winter Semester 2020/2021
Week 6

General Medicine

1. Online lecture via Microsoft Teams

Typical pathological processes; Fever, Pain, Hypoxia, Ischemia,

2. Online seminars via Microsoft Teams according to schedules on department webpage (patfyz.medic.upjs.sk)

Review of etiology

Introduction to pathogenesis

- Typical pathological processes

3. Credit test

- **Multiple choice (Yes/No) test** via Rogo system on Friday 30.10.2020 starting at 15:45 and finishing at 16:45
- **Open questions test** will be available at <http://patfyz.medic.upjs.sk/einfo.htm> on Friday 30.10.2020 from 17:15 to 18:00. After completing the test, the student will send the file to teacher's e-mail within the specified time limit. Enter your last name and group at the beginning of the file name.
- All information available at <http://patfyz.medic.upjs.sk/einfo.htm>
- Topics of credit test available at <http://patfyz.medic.upjs.sk/CREDIT%20test%20I%20GM.pdf>
- Study materials available at <http://patfyz.medic.upjs.sk/estudmat.htm>

Student presentations: during the online seminar according to the schedule within each group.

Dental Medicine

1. Online lecture via Microsoft Teams

Typical pathological processes; Fever, Pain, Hypoxia, Ischemia,

4. Online seminars via Microsoft Teams according to schedules on department webpage (patfyz.medic.upjs.sk)

Review of etiology

Introduction to pathogenesis

- Typical pathological processes

5. Credit test

- **Multiple choice (Yes/No) test** via Rogo system on Thursday 29.10.2020 starting at 15:00 and finishing at 15:45
- **Open questions test** will be available at <http://patfyz.medic.upjs.sk/einfo.htm> on Thursday 29.10.2020 from 16:15 to 17:00. After completing the test, the student will send the file to teacher's e-mail within the specified time limit. Enter your last name and group at the beginning of the file name.
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- Study materials available at <http://patfyz.medic.upjs.sk/estudmat.htm>

Student presentations: during the online seminar according to the schedule within each group.

Recommended audiovisual materials

- **Pain**
 - Physiology of pain <https://www.youtube.com/watch?v=uOaiaYDoUnA>
 - Nociceptors – an introduction to pain <https://www.youtube.com/watch?v=fUKlpuz2VTs>
 - Physiology of pain <https://www.youtube.com/watch?v=5c8maFAhqlc>

- Gate control theory of pain <https://www.youtube.com/watch?v=oQLFfvGM7nl>
- Neuropathic pain <https://www.youtube.com/watch?v=CUH7RTus880>
- **Hypoxia and ischemia**
 - Hypoxia a cyanosis <https://www.youtube.com/watch?v=REfhvFLBvZE>
 - Nobel Prize in Physiology or Medicine 2019, Nobel Lecture: Gregg L. Semenza: How the cells sense and adapt to changes in oxygen availability https://www.youtube.com/watch?v=B_KBgSXUWoM
 - Nobel Prize Winner, Gregg Semenza on the discovery of HIF-1 <https://www.youtube.com/watch?v=2l3oluioJU0>
- **Actuality**
 - Covid 19 <https://www.youtube.com/watch?v=5DGwOJXSxgg>
 - Coronavirus Test: Real time RT-PCR https://www.youtube.com/watch?v=ThG_02mig-4
 - Describing antigen testing for COVID 19 <https://www.youtube.com/watch?v=bZ0h0pyFqSY>
 - Coronavirus Antibody Test - Animation video https://www.youtube.com/watch?v=ouDY_pxGilY