

Syllabus - Distance learning
Winter Semester 2020/2021
Week 13

General Medicine

1. Online lecture via Microsoft Teams

Intercellular signaling

- Intercellular signaling - apocrine, paracrine, endocrine
- Receptor types; Intracellular cascades
- Signaling through G proteins, tyrosine - kinase receptors and intracellular receptors
- Intracellular function of calcium; calcium homeostasis, signaling role of nitric oxide

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

- Pathophysiology of ontogenesis – fetus, infancy, gravidity
- Review of pathogenesis
- Semester work consultation

3. Credit test 2

- **Multiple choice (Yes/No) test** via Rogo system on Friday 18.12.2020 starting at 15:45.
- **Open questions test** will be available at <http://patfyz.medic.upjs.sk/einfo.htm> on Friday 18.12.2020 from 17:15. After completing the test, the student will send the file to teacher's e-mail within a 5 minute interval. 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%20II%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

Disorders of oral cavity

- Caries
- Periodontitis
- Red & white lesions

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

- Review of pathogenesis
- Semester work consultation

3. Credit test

- **Multiple choice (Yes/No) test** via Rogo system on Thursday 17.12.2020 starting at 15:00.
- **Open questions test** will be available at <http://patfyz.medic.upjs.sk/einfo.htm> on Thursday 17.12.2020 from 16:15. After completing the test, the student will send the file to teacher's e-mail within a 5 minute interval. 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%20II%20DM.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.

Recommended audiovisual materials

- Common cell signaling pathway https://www.youtube.com/watch?v=9sF_h-bAnIE
- G-Protein Receptor Activation <https://www.youtube.com/watch?v=xT0mAQ4726s>
- G-protein coupled receptors (GPCRs) https://www.youtube.com/watch?v=NL_YbPiqDzg
- Receptor tyrosine kinases | (RTK)s | Cell Signaling https://www.youtube.com/watch?v=LT_ws4Xvj7M
- Intracellular Receptor Model <https://www.youtube.com/watch?v=wJk7nRccLbc>
- Tooth decay and cavities - causes, symptoms, diagnosis, treatment, pathology <https://www.youtube.com/watch?v=3zL4Hou1P-c>
- Gingivitis and periodontitis - causes, symptoms, diagnosis, treatment, pathology <https://www.youtube.com/watch?v=B35jRf4EKPA>