

Syllabus - Distance learning
Winter Semester 2020/2021
Week 5

General Medicine

1. Online lecture via Microsoft Teams

Microcirculatory failure (shock), MODS, DIC (hypercoagulation)

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

Acid-base disorders

- Acid-base balance – general principles, classification, compensatory mechanisms
- Respiratory acidosis and alkalosis
- Metabolic acidosis and alkalosis

Edemas

3. Practical protocol: *Acid-base disorders – case studies*

- Analysis of case studies under the guidance of a teacher during an online seminar
- Theoretical introduction and case studies available at <http://patfyz.medic.upjs.sk/estudmat/AcidBaseDisorders.pdf>
- Editable protocol form available at <http://patfyz.medic.upjs.sk/estudmat.htm>
- After the seminar, **prepare the protocols, collect them and send to teacher.**

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

Dental Medicine

1. Online lecture via Microsoft Teams

Microcirculatory failure (shock), MODS, DIC (hypercoagulation)

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

Acid-base balance disorders

- Acid-base balance – general principles, classification, compensatory mechanisms
- Respiratory acidosis and alkalosis
- Metabolic acidosis and alkalosis

Calcium and phosphate metabolism disorders

Edemas

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

Recommended audiovisual materials

Microcirculatory failure

- Shock <https://www.youtube.com/watch?v=sJWR93G4UpI>
- DIC <https://www.youtube.com/watch?v=Gmh01S0msfY>

Acid-base disorders

- Blood gases <https://www.youtube.com/watch?v=KudrLakBgeU>
- Introduction to acid-base disorders <https://www.youtube.com/watch?v=jWpKJVop6G8>
- Metabolic acidosis <https://www.youtube.com/watch?v=IF6oF5H43Ac>
- Metabolic alkalosis <https://www.youtube.com/watch?v=Wf0ruPTmP1o>

- Respiratory acidosis <https://www.youtube.com/watch?v=wZICSJZOTH4>
- Respiratory alkalosis <https://www.youtube.com/watch?v=7aPzaVkCjss>
- Renal tubular acidosis <https://www.youtube.com/watch?v=knrcXFTBgMk>
- Lactic acidosis <https://www.youtube.com/watch?v=0RDhock5kEI>