

Syllabus - Distance learning
Winter Semester 2020/2021
Week 7

General Medicine

1. Online lecture via Microsoft Teams

Inflammation

- General features, clinical forms, vascular reactions; systemic manifestation
- Acute inflammation – humoral factors and cellular response
- Chronic inflammation – etiopathogenesis, forms, characteristics, chronic inflammation and tumors
- Systemic inflammation – SIRS (systemic inflammatory response sy.) Multi-organ failure (MODS), Sepsis
- Healing process; mechanisms timing, tissue, and cellular processes– Acute and chronic inflammation

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

Typical pathological processes

- Hypoxia - definition, classification, symptoms and compensatory mechanisms

Aging

- Terminology, epidemiology, theories
- Cellular & organ physiological and pathological changes during aging

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

Dental Medicine

1. Online lecture via Microsoft Teams

Inflammation

- General features, clinical forms, vascular reactions; systemic manifestation
- Acute inflammation – humoral factors and cellular response

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

Typical pathological processes

- Fever – forms, causes
- Pain – pain of head and neck, pain in oral cavity

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

Recommended audiovisual materials

- Inflammation - causes, symptoms, diagnosis, treatment, pathology <https://www.youtube.com/watch?v=LaG3nKGotZs>
- Inflammation Medical Animation <https://www.youtube.com/watch?v=gIIZHyptUPM>
- Acute Inflammation- Educational 3D Animation <https://www.youtube.com/watch?v=1SvEdq94qUA>
- Phagocytosis <https://www.youtube.com/watch?v=iZYLeIjwe4w>
- Neutrophil Chemotaxis <https://www.youtube.com/watch?v=ZUUfdP87Ssq>
- Extravasation of Neutrophils <https://www.youtube.com/watch?v=B9Qi7we0Ynk>
- Macrophage oxidative burst <https://www.youtube.com/watch?v=WFOeic9LuDE>
- Acute Inflammation vs Chronic Inflammation https://www.youtube.com/watch?v=16_VbjmXpXs
- Sepsis and Septic Shock - 2016 Consensus Definitions <https://www.youtube.com/watch?v=L5xKW--drRq>