

Syllabus - Distance learning
Winter Semester 2020/2021
Week 11

General Medicine

1. Online lecture via Microsoft Teams

Stress

- Etiology; neurogenic and humoral afferent and efferent mechanisms; cortical - visceral concepts
- Stress – concepts; clinical forms; general adaptation sy., maladaptation
- Stress - related disorders
- Cellular stress

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

Stress

- Maladaptation diseases
- Molecular pathogenesis of stress
- Oxidative stress, antioxidants, glycation damage

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

Dental Medicine

1. Online lecture via Microsoft Teams

Stress

- Etiology; neurogenic and humoral afferent and efferent mechanisms; cortical - visceral concepts
- Stress – concepts; clinical forms; general adaptation sy., maladaptation
- Stress - related disorders
- Cellular stress

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

Stress

- Maladaptation diseases
- Oxidative stress, antioxidants, glycation damage

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

Recommended audiovisual materials

Stress

- Stress Response in Animation <https://www.youtube.com/watch?v=BlfKOL8xDP0>
- Hans Selye's General Adaption Syndrome and the HPA Axis: Exploring the Connection <https://www.youtube.com/watch?v=9FdmxfXryqA>
- The Fight Flight Freeze Response <https://www.youtube.com/watch?v=iEHwB1PG-Q>
- Fight or flight response <https://www.youtube.com/watch?v=8ayBkYOAGBA>
- Posttraumatic stress disorder (PTSD) - an Osmosis Preview <https://www.youtube.com/watch?v=DP3dvAPcUjw>
- Student video - Stress and the immune system <https://www.youtube.com/watch?v=zfkDhtFerro>
- Burnout - Causes, symptoms and treatment <https://www.youtube.com/watch?v=aVk02DiUUPo>
- Takotsubo Cardiomyopathy (Broken heart syndrome) - pathophysiology, diagnosis and treatment <https://www.youtube.com/watch?v=d15kbYySnoY>
- Psychiatry – Anxiety Disorders: By Nikola Grujich M.D. <https://www.youtube.com/watch?v=MtLaiCThT0>

Oxidative stress

- Free radical damage - causes, symptoms, diagnosis, treatment, pathology <https://www.youtube.com/watch?v=2ZRAUO51Wf8>
- What are Advanced Glycation End Products or A.G.E.s <https://www.youtube.com/watch?v=l2wZYzuvQRQ>