

Syllabus - Distance learning
General Medicine
Week 7

1) By the order of the rector and dean a distant form of education in going to continue until 13.4. 2020 at least and beyond

2) Actuality: <https://www.youtube.com/watch?v=JKpVMivbTfg>

3) **The content of self-study:** We are going to continue thematically according to the lectures and tutorials - Nervous system

- a. **Vegetative Nervous System (VNS)** - Repetition of neurophysiology: peripheral sympathetic and parasympathetic components; The central components: the brainstem, hypothalamus, cortex; Function; vegetative disorders: Neurovegetative dystonia, Sy. orthostatic hypotension / tachycardia, Sy. autonomic failure, Shy-Drager, Horner syndrome., Regional algic syndrome, Kauzalgia
- b. **Neurodegenerative diseases:** Definition, Pathomorphology; Location, cortical, subcortical, brainstem, spinal; Examples: Alzheimer's disease, Parkinson's disease, Huntington's disease, amyotrophic lateral sclerosis,
- c. **Neuromuscular disorders:** Neuropathies, Myopathies, Neuromuscular transmission disorders; Examples: Duchenne muscular dystrophy. and similar, Friedreich's ataxia, Myasthenia gravis, Eaton-Lambert sy.
- d. **Demyelinating disorders:** e.g. Multiple sclerosis and similar

Zdroje: Lectures, Recommended literature is mentioned on the website in the section: Topics 4. Credit test - GM

4) Recommended films

Friedreich's ataxia - causes, symptoms, diagnosis, treatment, pathology

<https://www.youtube.com/watch?reload=9&v=bxuMTnQTprA>

Parkinson's disease - causes, symptoms, diagnosis, treatment & pathology

<https://www.youtube.com/watch?v=ARdGaE1sbBM>

Alzheimer's disease - plaques, tangles, causes, symptoms & pathology

Huntington disease - causes, symptoms, diagnosis, treatment & pathology

<https://www.youtube.com/watch?v=nJoS5MOqmH4>

Neurodegenerative Disorder II - Parkinson's and Huntington's

<https://www.youtube.com/watch?v=-5ywLBBL2Go>

Prions (Spongiform encephalopathy)

<https://www.youtube.com/watch?v=dXcLb4oCYfg>

Duchenne & Becker muscular dystrophy

<https://www.youtube.com/watch?v=DGOmN6rnsNk>

Multiple sclerosis - causes, symptoms, diagnosis, treatment, pathology

<https://www.youtube.com/watch?v=yzH8ul5PSZ8>

Myasthenia gravis - causes, symptoms, treatment, pathology

<https://www.youtube.com/watch?v=bYGxGdu9MsQ>

5) **Presentations:** Semester work - according to the group schedule

- a. The student **can send a presentation by email** to colleagues, and the teacher. Students will evaluate a presentation and can write comments and questions for presenting student. Comments and evaluation sent to teacher.
- b. If the students use to **chat with the teacher** - can be done directly as communication.

6) Presence of students to teaching: Send the list of students.