

# Program of practical exercises on pathophysiology for general medicine students

Summer semester 2019/2020

Theme	Realization
ECG repetition	Realized standardly in some groups. Study material: <a href="http://patofyziologie.lfp.cuni.cz/wp-content/uploads/2019/10/ECG.pdf">http://patofyziologie.lfp.cuni.cz/wp-content/uploads/2019/10/ECG.pdf</a>
Step test, Letunov's test	Realized in some groups standardly Presentation: <a href="http://patofyziologie.lfp.cuni.cz/wp-content/uploads/2019/03/Step-test-and-Letunov.pdf">http://patofyziologie.lfp.cuni.cz/wp-content/uploads/2019/03/Step-test-and-Letunov.pdf</a>
Pathophysiology of the cerebellum	Realized in some groups standardly, in some groups online.  Study material: <a href="http://patofyziologie.lfp.cuni.cz/wp-content/uploads/2020/02/Praktika-Cerebellum-ENG-web.pdf">http://patofyziologie.lfp.cuni.cz/wp-content/uploads/2020/02/Praktika-Cerebellum-ENG-web.pdf</a>
Ataxias	Study material: <a href="http://patofyziologie.lfp.cuni.cz/wp-content/uploads/2020/03/Ataxie-A-na-web.pdf">http://patofyziologie.lfp.cuni.cz/wp-content/uploads/2020/03/Ataxie-A-na-web.pdf</a>
Stereotaxis	Study material: <a href="http://patofyziologie.lfp.cuni.cz/wp-content/uploads/2020/03/Stereotaxis.pdf">http://patofyziologie.lfp.cuni.cz/wp-content/uploads/2020/03/Stereotaxis.pdf</a>
Pathophysiology of cognition and behavior	Realized in some groups standardly, in some groups online  Study material on the Alzheimer disease: <a href="http://patofyziologie.lfp.cuni.cz/wp-content/uploads/2018/09/Alzheimer-disease_beta_version.pdf">http://patofyziologie.lfp.cuni.cz/wp-content/uploads/2018/09/Alzheimer-disease_beta_version.pdf</a>
Pathophysiology of biological rhythms	Study material: <a href="http://patofyziologie.lfp.cuni.cz/wp-content/uploads/2020/04/Biological-rhythms.pdf">http://patofyziologie.lfp.cuni.cz/wp-content/uploads/2020/04/Biological-rhythms.pdf</a>
Pathophysiology of sleep	Study material:

	<a href="http://patofyziologie.lfp.cuni.cz/wp-content/uploads/2020/03/Physiology-and-pathophysiology-of-sleep.pdf">http://patofyziologie.lfp.cuni.cz/wp-content/uploads/2020/03/Physiology-and-pathophysiology-of-sleep.pdf</a>
EEG	Online seminary
Epilepsy	Online seminary Study material: <a href="http://patofyziologie.lfp.cuni.cz/wp-content/uploads/2020/03/Epilepsy.pdf">http://patofyziologie.lfp.cuni.cz/wp-content/uploads/2020/03/Epilepsy.pdf</a>
Anemias	Online seminary
Acid-base balance	See literature
Pathophysiology of motor functions	Study material: <a href="http://patofyziologie.lfp.cuni.cz/wp-content/uploads/2018/09/Disorders-of-the-motor-system.pdf">http://patofyziologie.lfp.cuni.cz/wp-content/uploads/2018/09/Disorders-of-the-motor-system.pdf</a>  Palsy - commented presentation available from the list of study materials: <a href="http://patofyziologie.lfp.cuni.cz/?page_id=219&amp;lang=en">http://patofyziologie.lfp.cuni.cz/?page_id=219&amp;lang=en</a>
EEG	Online seminary
Surgical propaedeutic	Cancelled. Practical exam will be modified accordingly.
Pathophysiology of the spinal cord	Commented presentation available from the list of study materials: <a href="http://patofyziologie.lfp.cuni.cz/?page_id=219&amp;lang=en">http://patofyziologie.lfp.cuni.cz/?page_id=219&amp;lang=en</a>  Presentation: <a href="http://patofyziologie.lfp.cuni.cz/wp-content/uploads/2019/04/Spinal-cord-pathophysiology-En_web.pdf">http://patofyziologie.lfp.cuni.cz/wp-content/uploads/2019/04/Spinal-cord-pathophysiology-En_web.pdf</a>
Pathophysiology of the brainstem	Commented presentation available from the list of study materials: <a href="http://patofyziologie.lfp.cuni.cz/?page_id=219&amp;lang=en">http://patofyziologie.lfp.cuni.cz/?page_id=219&amp;lang=en</a>  Presentation: <a href="http://patofyziologie.lfp.cuni.cz/wp-content/uploads/2019/04/Brain-stem-pathophysiology-En_web.pdf">http://patofyziologie.lfp.cuni.cz/wp-content/uploads/2019/04/Brain-stem-pathophysiology-En_web.pdf</a>

Dissociation of sensation	<p>Commented presentation available from the list of study materials:  <a href="http://patofyziologie.lfp.cuni.cz/?page_id=219&amp;lang=en">http://patofyziologie.lfp.cuni.cz/?page_id=219&amp;lang=en</a></p>
Disorders of neurotransmitter systems	<p>Online seminary</p> <p>Presentation:  <a href="http://patofyziologie.lfp.cuni.cz/wp-content/uploads/2019/04/Disorders-of-neurotransmitters-En-web.pdf">http://patofyziologie.lfp.cuni.cz/wp-content/uploads/2019/04/Disorders-of-neurotransmitters-En-web.pdf</a></p>
Pathophysiology of brain edema and intracranial hypertension Disorders of consciousness	<p>Commented presentation available from the list of study materials:  <a href="http://patofyziologie.lfp.cuni.cz/?page_id=219&amp;lang=en">http://patofyziologie.lfp.cuni.cz/?page_id=219&amp;lang=en</a></p> <p>Presentation:  <a href="http://patofyziologie.lfp.cuni.cz/wp-content/uploads/2019/03/Intracranial-hypertension.pdf">http://patofyziologie.lfp.cuni.cz/wp-content/uploads/2019/03/Intracranial-hypertension.pdf</a></p>
Pathophysiology of water metabolism	<p>Study material:  <a href="http://patofyziologie.lfp.cuni.cz/wp-content/uploads/2018/09/Pathophysiology-of-water-and-mineral-metabolism.pdf">http://patofyziologie.lfp.cuni.cz/wp-content/uploads/2018/09/Pathophysiology-of-water-and-mineral-metabolism.pdf</a></p>
Repetition	
Substitution. Credit	

**Here are only study materials or forms of realization of teaching topics planned according to the original program of practical exercises. Further study materials for preparation for the exam can be found on the website of the Department of Pathophysiology and in the study literature.**