

Program of practical exercises on pathophysiology for dental medicine students

Summer semester 2019/2020

Theme	Realization
Introduction. Laboratory animals. Statistics. Surgical instruments.	Realized standardly
Anesthesia. Surgical sutures	Realized standardly
ECG	Online seminary Study material: http://patofyziologie.lfp.cuni.cz/wp-content/uploads/2019/10/ECG.pdf
Pathophysiology of the nervous system	<p>1) Pathophysiology of the spinal cord Commented presentation available from the list of study materials: http://patofyziologie.lfp.cuni.cz/?page_id=219&lang=en</p> <p>Presentation: http://patofyziologie.lfp.cuni.cz/wp-content/uploads/2019/04/Spinal-cord-pathophysiology-En_web.pdf</p> <p>2) Pathophysiology of the brainstem Commented presentation available from the list of study materials: http://patofyziologie.lfp.cuni.cz/?page_id=219&lang=en</p> <p>Presentation http://patofyziologie.lfp.cuni.cz/wp-content/uploads/2019/04/Brain-stem-pathophysiology-En_web.pdf</p> <p>3) Intracranial hypertension Commented presentation available from the list of study materials: http://patofyziologie.lfp.cuni.cz/?page_id=219&lang=en</p> <p>Presentation: http://patofyziologie.lfp.cuni.cz/wp-content/uploads/2019/03/Intracranial-hypertension.pdf</p>

	<p>4) Pathophysiology of the cerebellum http://patofyziologie.lfp.cuni.cz/wp-content/uploads/2020/02/Praktika-Cerebellum-ENG-web.pdf</p> <p>5) Ataxias http://patofyziologie.lfp.cuni.cz/wp-content/uploads/2020/03/Ataxie-A-na-web.pdf</p> <p>6) Disorders of neurotransmitter systems http://patofyziologie.lfp.cuni.cz/wp-content/uploads/2019/04/Disorders-of-neurotransmitters-En-web.pdf</p> <p>7) Epilepsy http://patofyziologie.lfp.cuni.cz/wp-content/uploads/2020/03/Epilepsy.pdf</p> <p>8) Pathophysiology of the motor system http://patofyziologie.lfp.cuni.cz/wp-content/uploads/2018/09/Disorders-of-the-motor-system.pdf</p> <p>9) Palsy - commented presentation available from the list of study materials: http://patofyziologie.lfp.cuni.cz/?page_id=219&lang=en</p>
Spirometry	<p>Online seminary</p> <p>Study material: http://patofyziologie.lfp.cuni.cz/wp-content/uploads/2020/04/Spirometrie-A.pdf</p>
Hypoxia	<p>Online seminary</p> <p>Study material: http://patofyziologie.lfp.cuni.cz/wp-content/uploads/2019/11/Hypoxie-A.pdf</p>
Rumpel-Leede test, hemorrhagic diatheses	<p>Study material: http://patofyziologie.lfp.cuni.cz/wp-content/uploads/2020/03/Hemorrhagic-diatheses_dental.pdf</p>
Electric properties of the tissues	<p>Online seminary</p>
Pathophysiology of the endocrine system and metabolism.	<p>Online lecture on endocrine system pathophysiology Online on metabolism pathophysiology Online lecture on liver pathophysiology</p>

	<p>Study materials:</p> <p>Endocrine system – introduction http://patofyziologie.lfp.cuni.cz/wp-content/uploads/2020/04/Pathophysiology-of-the-endocrine-system_introduction.pdf</p> <p>Endocrine system – hypothalamus, hypophysis http://patofyziologie.lfp.cuni.cz/wp-content/uploads/2020/04/Pathophysiology-of-the-endocrine-system_hypothalamus-hypophysis.pdf</p> <p>Endocrine system – thyroid gland http://patofyziologie.lfp.cuni.cz/wp-content/uploads/2020/04/Pathophysiology-of-the-endocrine-system_hypothalamus-hypophysis.pdf</p> <p>Pathophysiology of water and mineral metabolism http://patofyziologie.lfp.cuni.cz/wp-content/uploads/2018/09/Pathophysiology-of-water-and-mineral-metabolism.pdf</p> <p>Reproductive system and sex hormones http://patofyziologie.lfp.cuni.cz/wp-content/uploads/2020/05/Pathophysiology-of-the-reproductive-system-and-sex-hormones.pdf</p>
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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.