

**PROGRAM OF SEMINARS IN PHYSIOLOGY WITH PATHOPHYSIOLOGY
FOR THE STUDENTS OF THE 4-YEARS MEDICAL SCHOOL
(Winter Semester 2016/2017)**

DATES	SUBJECT	TEACHER
3 hours 25.10.2016 Tuesday	Electrolyte balance and resting and action potentials. Channelopathies, central demyelinating diseases.	KK
3 hours 08.11.2016 Tuesday	Diseases of peripheral nerve and skeletal muscle – peripheral demyelination, poliomyelitis, dystrophies, myopathies.	TZ
3 hours 15.11.2016 Tuesday	Spinal reflexes and muscle tone – physical examination. Lower vs upper motor neuron lesion. Spinal cord lesions.	MK
3 hours 22.11.2016 Tuesday	Dysfunctions of supraspinal control of the motor system. Neurodegenerative diseases. Physical examination of gait, posture, cerebellar signs.	TZ
3 hours 29.11.2016 Tuesday	Diseases of the eye: evaluation of visual acuity – sensory vs central disturbances, pupillary reflexes, visual field. Hearing loss – evaluation of air- and bone- conductance, sensory vs central deficits. Evaluation of deep sensation and sensory system.	TZ
3 hours 06.12.2016 Tuesday	Sleep disorders, consciousness and seizures – EEG examples. Learning and memory disorders – clinical evaluation. Affective diseases, mood and anxiety disorders. Mechanisms of addiction.	KK
3 hours 13.12.2016 Tuesday	Stroke, neurodegenerative diseases.	MarŚm
3 hours 20.12.2016 Tuesday	MCQ I	TZ
03.01.2017 Tuesday	No seminar	
3 hours 10.01.2017 Tuesday	Physiology and Pathophysiology of the heart Part 1 (hemodynamic cycle, heart sounds, valvular heart disorders)	AW
3 hours 17.01.2017 Tuesday	Composition and function of the blood. Erythrocyte - morphology and functions. Blood groups and blood typing. Transport function of the blood. Transport of oxygen and carbon dioxide. Role of hemoglobin. Hemoglobin dissociation curve. Pathophysiology of red blood cells – anemias, polycythemia. Hemoglobinopathies. Main serologic incompatibilities.	MarŚm

Teachers: KK – Kaja KasareĦo, PhD; MK - Michał Kowara, MD; MarŚm – Maryla Śmietanowska, MD;
AW – Agnieszka Wsół , MD, PhD; TZ – Tymoteusz Żera , MD, PhD;

Please note that seminars are held from 12:00 at noon till 14:30 p.m. (this includes 15min for breaks) in the Didactic Center in room 233