

**PROGRAM OF LECTURES IN PATHOPHYSIOLOGY
FOR THE STUDENTS OF THE 4-YEARS MEDICAL SCHOOL
(2016/2017)**

	DATES	SUBJECT	TEACHER
	13.02.2017 Monday	No Lecture	
18	3 hours 15.02.2017 Wednesday	The conducting system of the heart. Mechanisms of cardiac arrhythmia. The examples of most common arrhythmia.	AW
19	3 hours 20.02.2017 Monday	Hemostasis. Hemostatic disorders.	ACJ
	22.02.2017 Wednesday	No Lecture	
20	3 hours 27.02.2017 Monday	Functions of the microcirculation. Local and humoral regulation of cardiovascular system. Mechanisms of oedema.	AW
21	3 hours 01.03.2017 Wednesday	Pulmonary circulation. DTV and pulmonary embolism. Pulmonary hypertension.	TZ
22	3 hours 06.03.2017 Monday	Hormonal regulation of arterial blood pressure. Renin-angiotensin-aldosterone system. Vasopressin. Natriuretic peptides.	ESS
23	3 hours 08.03.2017 Wednesday	Physiology of the respiratory system. Anatomy of the respiratory system. Biomechanics of respiration, spirometry in a healthy person. Neural control of respiration.	MŚm
24	3 hours 13.03.2017 Monday	The pathophysiology of the most common respiratory system diseases. Basic diagnostic tests of the respiratory system. Mechanical ventilation.	ACJ
25	3 hours 15.03.2017 Wednesday	General characteristics of hormones. Basic mechanisms and regulation of hormone secretion. Stress phenomenon.	ESS
26	3 hours 20.03.2017 Monday	Kidney physiology. Tubular transport. Mechanism of concentration and dilution of urine. Regulation of volume and composition of body fluids. Neural and hormonal regulation of kidney function.	TZ
	22.03.2017 Wednesday	No Lecture	
27	3 hours 27.03.2017 Monday	Pathophysiology of the urinary tract diseases. Basic diagnostic tests.	LN
28	3 hours 29.03.2017 Wednesday	Hormonal regulation of water-electrolyte balance. Regulation of thirst, hypo- and hyperosmolar states.	TZ
29	3 hours 03.04.2017 Monday	Hormonal regulation of calcium homeostasis. Parathyroid hormone. Calcitonin and vitamin D. Disturbances of calcium homeostasis.	KK
30	3 hours 05.04.2017 Wednesday	Physiology of the gastrointestinal tract. Regulation of digestion and absorption of food. Gastrointestinal hormones. Regulation of gastric secretion. Functions of liver and pancreas.	TZ
31	3 hours 10.04.2017 Monday	Hypothalamic and pituitary gland hormones. Thyroid gland and adrenal glands hormones.	TZ

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	DATES	SUBJECT	TEACHER
32	3 hours 12.04.2017 Wednesday	The pathophysiology of the most common metabolic disorders (diabetes mellitus, obesity).	TZ
33	3 hours 24.04.2017 Monday	Regulation of secretion and mechanisms of action of sex hormones in male and female. Hormonal regulation of reproduction.	ACJ
34	3 hours 26.04.2017 Wednesday	Dynamic and static exercises Adaptation to physical exercise in patients with metabolic, cardiovascular and respiratory diseases. Negative results of inadequate physical activity.	AW
35	3 hours 08.05.2017 Monday	Pregnancy. Lactation. "lecture will be held at Aula B in the Didactic Centre"	ACJ
36	3 hours 10.05.2017 Wednesday	Thermoregulation. Hypo- and hyperthermia. Fever.	KK
	15.05.2017 Monday	No lecture	
37	3 hours 17.05.2017 Wednesday	Aging. Summary.	TZ

Teachers: ACJ – prof. Agnieszka Cudnoch-Jędrzejewska , MD, PhD; KK – Kaja Kasarek, PhD;

LN – Longin Niemczyk MD, PhD; MŚm - Maciej Śmietanowski, PhD; ESS – prof. Ewa Szczepańska-Sadowska, MD, PhD;

AW – Agnieszka Wsól , MD, PhD; TŻ – Tymoteusz Żera , MD, PhD;

Please note that lectures on Monday are held from 10:30 to 13:00 in room 141 (Didactic Center) and on Wednesday from 12.35 to 15.05 in room 141 (Didactic Center). This includes 15 min for breaks.