

Medical and Dental Physiology lectures

SE ED, 2023/24. I. Semester

EOK Hári (Tue), Hevesy (Thu), Békésy (Fri)

Tue: 12:30- 14:15

Thu: 11:45- 13:30

Fri: 15:00- 16:45

Week	No.	Date	Topic	Lecturer
1	1	5 Sep 2023 (Tue)	Introduction, fluid compartments	Dr. András Balla
	2	7 Sep 2023 (Thu)	Transport across cell membranes	Prof. Péter Várnai
	3	8 Sep 2023 (Fri)	Transepithelial transports	Prof. Péter Várnai
2	4	12 Sep 2023 (Tue)	G protein coupled receptors, second messengers	Dr. András Balla
	5	14 Sep 2023 (Thu)	Receptors of growth factors and cytokines, calcium metabolism of the cells	Dr. András Balla
	6	15 Sep 2023 (Fri)		
3	7	19 Sep 2023 (Tue)	Physiology of blood I., Blood groups	Dr. Krisztina Futosi
	8	21 Sep 2023 (Thu)	Physiology of blood II.	Dr. Krisztina Futosi
	9	22 Sep 2023 (Fri)	Membrane potentials	Prof. Péter Várnai
4	10	26 Sep 2023 (Tue)	Ion channels and action potential	Prof. Péter Várnai
	11	28 Sep 2023 (Thu)	Physiology of nerve cells, synaptic transmission in the central nervous system	Dr. Gábor Czirják
	12	29 Sep 2023 (Fri)	Neuromuscular junction and physiology of skeletal muscle	Dr. János Almássy
5	13	3 Oct 2023 (Tue)	Autonomic neurotransmitters and physiology of smooth muscle	Dr. Krisztina Futosi
	14	5 Oct 2023 (Thu)	Physiology of the heart I.: origin and spread of cardiac excitation	Dr. Dávid Győri
	15	6 Oct 2023 (Fri)	Physiology of the heart II.: cardiac cycle	Dr. Dávid Győri
6	16	10 Oct 2023 (Tue)	Physiology of the heart III.: regulation of cardiac output	Dr. Dávid Győri
	17	12 Oct 2023 (Thu)	Electrocardiography	Dr. Benoit Roux
	18	13 Oct 2023 (Fri)	Physiology of blood circulation: introduction, hemodynamics	Prof. Péter Várnai
7	19	17 Oct 2023 (Tue)	Arterial circulation	Prof. Péter Várnai
	20	19 Oct 2023 (Thu)	Microcirculation	Prof. Péter Várnai
	21	20 Oct 2023 (Fri)	Venous circulation and lymph flow	Dr. Zoltán Jakus
8	22	24 Oct 2023 (Tue)	Local control of circulation	Dr. Rita Benkő
	23	26 Oct 2023 (Thu)	Reflex control of circulation	Dr. Rita Benkő
	24	27 Oct 2023 (Fri)		
9	25	31 Oct 2023 (Tue)	Coronary circulation and circulation of blood in the brain	Dr. Dániel Csete
	26	2 Nov 2023 (Thu)	Skeletal muscle, splanchnic and skin circulation	Dr. Dániel Csete
	27	3 Nov 2023 (Fri)		
10	28	7 Nov 2023 (Tue)	Respiration I.: overview, pulmonary circulation, nonrespiratory functions	Dr. Levente Kiss
	29	9 Nov 2023 (Thu)	Respiration II.: mechanics of breathing	Dr. Levente Kiss
	30	10 Nov 2023 (Fri)		
11	31	14 Nov 2023 (Tue)	Respiration III.: gas transport, hypoxias	Dr. Levente Kiss
	32	16 Nov 2023 (Thu)	Respiration IV.: control of respiration	Dr. Levente Kiss
	33	17 Nov 2023 (Fri)	Renal function I.: renal circulation, glomerular filtration	Dr. Roland Csépanyi-Kömi
12	34	21 Nov 2023 (Tue)	Renal function II.: tubular functions	Dr. Roland Csépanyi-Kömi
	35	23 Nov 2023 (Thu)	Renal function III.: concentration, dilution	Dr. Roland Csépanyi-Kömi
	34	24 Nov 2023 (Fri)	Regulation of body fluids and osmotic concentration	Dr. János Almássy
13	35	28 Nov 2023 (Tue)	Acid-base balance I.: introduction	Dr. Csaba Tímár
	36	30 Nov 2023 (Thu)	Acid-base balance II.: the role of lungs and kidneys	Dr. Csaba Tímár
	37	1 Dec 2023 (Fri)	Adaptation of cardiovascular and respiratory system	Dr. András Balla
14	38	5 Dec 2023 (Tue)		
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	-		Competition Exam	