

EM - Physiology lectures - 2018/19 - I. semester

Week	Date	Day	Time	Subject	Lecturer
1	11 September 2018	Tue	13:45-15:25	Introduction, fluid compartments	Prof. Péter Várnai
	12 September 2018	Wed	13:25-15:05	Transport across cell membranes	Prof. Péter Várnai
	13 September 2018	Thu	10:40-12:20	Transepithelial transports	Prof. Péter Várnai
2	18 September 2018	Tue	13:45-15:25	G protein coupled receptors, second messenger	Prof. László Hunyady
	19 September 2018	Wed	13:25-15:05	Receptors of growth factors and cytokines, calcium metabolism of the cells	Prof. László Hunyady
	20 September 2018	Thu	10:40-12:20	Membrane trafficking and vesicular transport	Prof. László Hunyady
3	25 September 2018	Tue	13:45-15:25	Membrane potentials	Prof. Péter Várnai
	26 September 2018	Wed	13:25-15:05	Ion channels and action potential	Prof. Péter Várnai
	27 September 2018	Thu	10:40-12:20	Physiology of nerve cells, synaptic transmission in the central nervous system	Dr. Gábor Czirják
4	02 October 2018	Tue	13:45-15:25	Autonomic neurotransmitters and physiology of smooth muscle	Dr. Zoltán Jakus
	03 October 2018	Wed	13:25-15:05	Neuromuscular junction and physiology of skeletal muscle	Dr. Eszter Horváth
	04 October 2018	Thu	10:40-12:20	Physiology of the heart I.: origin and spread of cardiac excitation	Dr. Gábor Czirják
5	09 October 2018	Tue	13:45-15:25	Physiology of the heart II.: cardiac cycle	Dr. Gábor Czirják
	10 October 2018	Wed	13:25-15:05	Physiology of the heart III.: regulation of cardiac output	Dr. Gábor Czirják
	11 October 2018	Thu	10:40-12:20	Electro- and echocardiography	Dr. Gábor Czirják
6	16 October 2018	Tue	13:45-15:25	Physiology of blood circulation: introduction	Prof. Péter Várnai
	17 October 2018	Wed	13:25-15:05	Hemodynamics	Prof. Péter Várnai
	18 October 2018	Thu	10:40-12:20	Arterial circulation	Prof. Péter Várnai
7	23 October 2018	Tue		National Holiday	
	24 October 2018	Wed	13:25-15:05	Microcirculation	Dr. András Eke
	25 October 2018	Thu	10:40-12:20	Venous circulation and lymph flow	Dr. András Eke
8	30 October 2018	Tue	13:45-15:25	Local and reflex control of circulation	Dr. Eszter Horváth
	31 October 2018	Wed	13:25-15:05	Circulation of blood in the brain and coronary circulation	Prof. Miklós Geiszt
	01 November 2018	Thu		All Saints' Day	
9	06 November 2018	Tue	13:45-15:25	Splanchnic circulation, circulation of skin and skeletal muscle	Prof. Miklós Geiszt
	07 November 2018	Wed	13:25-15:05	Respiration I.: pulmonary ventilation	Prof. László Hunyady
	08 November 2018	Thu	10:40-12:20	Respiration II.: gas exchange in the lungs, pulmonary circulation, ventilation-perfusion relationship	Prof. László Hunyady

10	26	13 November 2018	Tue	13:45-15:25	<i>Respiration III.: gas transport, hypoxias</i>	<i>Prof. László Hunyady</i>
	27	14 November 2018	Wed	13:25-15:05	<i>Respiration IV.: regulation of respiration</i>	<i>Prof. László Hunyady</i>
	28	15 November 2018	Thu	10:40-12:20	<i>Adaptation of cardiovascular and respiratory system I.</i>	<i>Dr. Levente Kiss</i>
11	29	20 November 2018	Tue	13:45-15:25	<i>Adaptation of cardiovascular and respiratory system II.</i>	<i>Dr. Levente Kiss</i>
	30	21 November 2018	Wed	13:25-15:05	<i>Renal function I.: renal circulation, glomerular filtration</i>	<i>Prof. Péter Enyedi</i>
	31	22 November 2018	Thu	10:40-12:20	<i>Renal function II.: tubular functions</i>	<i>Prof. Péter Enyedi</i>
12	32	27 November 2018	Tue	13:45-15:25	<i>Renal function III.: concentration, dilution</i>	<i>Prof. Péter Enyedi</i>
	33	28 November 2018	Wed	13:25-15:05	<i>Regulation of body fluids and osmotic concentration</i>	<i>Prof. Péter Enyedi</i>
	34	29 November 2018	Thu	10:40-12:20	<i>Acid-base balance I.: introduction</i>	<i>Dr. Levente Kiss</i>
13	35	04 December 2018	Tue	13:45-15:25	<i>Acid-base balance II.: role of lungs and kidneys</i>	<i>Dr. Levente Kiss</i>
	36	05 December 2018	Wed	13:25-15:05	<i>General principles of regulation in the gastrointestinal tract</i>	<i>Dr. Eszter Horváth</i>
	37	06 December 2018	Thu	10:40-12:20	<i>Motor functions of the gastrointestinal tract</i>	<i>Dr. Eszter Horváth</i>
14	38	11 December 2018	Tue	13:45-15:25	<i>Secretory functions of the gastrointestinal tract I.</i>	<i>Dr. András Balla</i>
	39	12 December 2018	Wed	13:25-15:05	<i>Secretory functions of the gastrointestinal tract II.</i>	<i>Dr. András Balla</i>
	40	13 December 2018	Thu	10:40-12:20	<i>Digestion and absorption of food</i>	<i>Dr. András Balla</i>