

## ED - Physiology lectures - 2018/19 - I. semester

Week	Date	Day	Time	Subject	Lecturer	
<b>1</b>	1	10 September 2018	Mo	15:00-16:40	<i>Introduction, fluid compartments</i>	<i>Prof. Péter Várnai</i>
	2	12 September 2018	Wed	10:00-11:40	<i>Transport across cell membranes</i>	<i>Prof. Péter Várnai</i>
	3	13 September 2018	Thu	13:30-15:10	<i>Transepithelial transports</i>	<i>Prof. Péter Várnai</i>
<b>2</b>	4	17 September 2018	Mo	15:00-16:40	<i>G protein coupled receptors, second messengers</i>	<i>Dr. András Balla</i>
	5	19 September 2018	Wed	10:00-11:40	<i>Receptors of growth factors and cytokines, calcium metabolism of the cells</i>	<i>Dr. András Balla</i>
	6	20 September 2018	Thu	13:30-15:10	<i>Membrane trafficking and vesicular transport</i>	<i>Dr. András Balla</i>
<b>3</b>	7	24 September 2018	Mo	15:00-16:40	<i>Membrane potentials</i>	<i>Prof. Péter Enyedi</i>
	8	26 September 2018	Wed	10:00-11:40	<i>Ion channels and action potential</i>	<i>Prof. Péter Enyedi</i>
	9	27 September 2018	Thu	13:30-15:10	<i>Physiology of nerve cells, synaptic transmission in the central nervous system</i>	<i>Dr. Gábor Czirják</i>
<b>4</b>	10	01 October 2018	Mo	15:00-16:40	<i>Autonomic neurotransmitters and physiology of smooth muscle</i>	<i>Dr. Krisztina Futosi</i>
	11	03 October 2018	Wed	10:00-11:40	<i>Neuromuscular junction and physiology of skeletal muscle</i>	<i>Dr. Rita Benkő</i>
	12	04 October 2018	Thu	13:30-15:10	<i>Physiology of the heart I.: origin and spread of cardiac excitation</i>	<i>Dr. Dávid Győri</i>
<b>5</b>	13	08 October 2018	Mo	15:00-16:40	<i>Physiology of the heart II.: cardiac cycle</i>	<i>Dr. Dávid Győri</i>
	14	10 October 2018	Wed	10:00-11:40	<i>Physiology of the heart III.: regulation of cardiac output</i>	<i>Dr. Dávid Győri</i>
	15	11 October 2018	Thu	13:30-15:10	<i>Electrocardiography</i>	<i>Dr. Domonkos Cseh</i>
	16	13 October 2018	Sa	15:00-16:40	<i>Physiology of blood circulation: introduction</i>	<i>Dr. András Eke</i>
<b>6</b>	17	15 October 2018	Mo	15:00-16:40	<i>Hemodynamics</i>	<i>Dr. András Eke</i>
	18	17 October 2018	Wed	10:00-11:40	<i>Arterial circulation</i>	<i>Dr. András Eke</i>
	19	18 October 2018	Thu	13:30-15:10	<i>Microcirculation</i>	<i>Dr. Péter Mukli</i>
<b>7</b>		22 October 2018	Mo		<i>Rest Day (13.10.1018)</i>	
	20	24 October 2018	Wed	10:00-11:40	<i>Venous circulation and lymph flow</i>	<i>Dr. Péter Mukli</i>
	21	25 October 2018	Thu	13:30-15:10	<i>Local control of circulation</i>	<i>Dr. Rita Benkő</i>
<b>8</b>	22	29 October 2018	Mo	15:00-16:40	<i>Reflex control of circulation</i>	<i>Dr. Rita Benkő</i>
	23	31 October 2018	Wed	10:00-11:40	<i>Circulation of blood in the brain and coronary circulation</i>	<i>Dr. Dániel Csete</i>
		01 November 2018	Thu		<i>All Saints' Day</i>	
<b>9</b>	24	05 November 2018	Mo	15:00-16:40	<i>Splanchnic circulation, circulation of skin and skeletal muscle</i>	<i>Dr. Dániel Csete</i>
	25	07 November 2018	Wed	10:00-11:40	<i>Respiration I.: Overview, Pulmonary Circulation, Nonrespiratory Functions</i>	<i>Dr. Levente Kiss</i>
	26	08 November 2018	Thu	13:30-15:10	<i>Respiration II.: Mechanics of Breathing</i>	<i>Dr. Levente Kiss</i>

<b>10</b>	27	12 November 2018	Mo	15:00-16:40	<i>Respiration III.: Diffusion and Transport of Respiratory Gases</i>	<i>Dr. Levente Kiss</i>
	28	14 November 2018	Wed	10:00-11:40	<i>Respiration IV.: Control of Respiration</i>	<i>Dr. Levente Kiss</i>
	29	15 November 2018	Thu	13:30-15:10	<i>Adaptation of cardiovascular and respiratory system I.</i>	<i>Dr. György Nádasy</i>
<b>11</b>	30	19 November 2018	Mo	15:00-16:40	<i>Adaptation of cardiovascular and respiratory system II.</i>	<i>Dr. György Nádasy</i>
	31	21 November 2018	Wed	10:00-11:40	<i>Renal function I.: renal circulation, glomerular filtration</i>	<i>Prof. Péter Enyedi</i>
	32	22 November 2018	Thu	13:30-15:10	<i>Renal function II.: tubular functions</i>	<i>Prof. Péter Enyedi</i>
<b>12</b>	33	26 November 2018	Mo	15:00-16:40	<i>Renal function III.: concentration, dilution</i>	<i>Prof. Péter Enyedi</i>
	34	28 November 2018	Wed	10:00-11:40	<i>Regulation of body fluids and osmotic concentration</i>	<i>Dr. Hajnal Kovács</i>
	35	29 November 2018	Thu	13:30-15:10	<i>Acid-base balance I.: introduction</i>	<i>Dr. Csaba Tímár</i>
<b>13</b>	36	03 December 2018	Mo	15:00-16:40	<i>Acid-base balance II.: role of lungs and kidneys</i>	<i>Dr. Csaba Tímár</i>
	37	05 December 2018	Wed	10:00-11:40	<i>General principles of regulation in the gastrointestinal tract</i>	<i>Dr. Roland Csépanyi-Kömi</i>
	38	06 December 2018	Thu	13:30-15:10	<i>Motor functions of the gastrointestinal tract</i>	<i>Dr. Roland Csépanyi-Kömi</i>
<b>14</b>	39	10 December 2018	Mo	15:00-16:40	<i>Secretory functions of the gastrointestinal tract I.</i>	<i>Dr. András Balla</i>
	40	12 December 2018	Wed	10:00-11:40	<i>Secretory functions of the gastrointestinal tract II.</i>	<i>Dr. András Balla</i>
	41	13 December 2018	Thu	13:30-15:10	<i>Digestion and absorption of food</i>	<i>Dr. András Balla</i>