Structure and Function of the Human Body

2nd year**,** Summer term 2017/2018

Lectures on Physiology

1st week

20.2. Tuesday 9.45-11.15, Ruská, Jonáš Hall 1
 Arterial and venous haemodynamics. Blood pressure.

22.2. Thursday 9.45-11.15, Ruská, Jonáš Hall 1

 Heart revolution.Cardiac action potential.

 Cardiac electrical activity. ECG.

2nd week
28.2. Wednesday 9.45-11.15. Ruská, Burian Hall 2

 Microcirculation. Lymphatic system.

3rd week

 8.3. Thursday 9.45-11.15, Ruská, Jonáš Hall 1

 Specific blood circulatory systems. Fetal circulation.

 Regulation of the heart and vessel activities.

 9.3. Friday 9.45-13.00, Ruská, Burian Hall 2

 CONFERENCE: Circulatory system

5th week

22.3.Thursday 11.30-13.00, Ruská, Burian Hall 2

 General neurophysiology

7th week

 3.4. Tuesday 9.45-11.15, Ruská, Burian Hall 2

 Receptors and neurotransmiters of CNS.

 5.4. Thursday 11.30-13.00, Ruská, Jonáš Hall 1

 Electrophysiological methods used in clinical

 diagnostics

8th week

 9.4. Monday 9.45-11.15, Ruská, Jonáš Hall 1

 Physiology and pathphysilogy of pain

11.4. Wednesday 9.45-11.15, Ruská, Jonáš Hall 1

 Learning and memory. Physiology of consciousness and

 sleep.

9th week

17.4. Tuesday 9.45-11.15, Ruská, Burian Hall 2

 Function of the spinal cord, cerebellum and brain stem

19.4. Thursday 8.00-9.30, Ruská, Jonáš Hall 1

 Function of the midbrain, basal ganglia and thalamus

19.4. Thursday 9.45-11.15, Ruská, Jonáš Hall 1

 Function of limbic system of the cerebral cortex

10th week

23.4. Monday 8.00-9.30, Ruská, Burian Hall 2
 Physiology of the somato-sensory system. Physiology of

 proprioception and motor system.

25.4. Wednesday 9.45-11.15 Ruská, Burian Hall 2

 Physiology of visceral and neurohumoral regulations.

Aviation and space physiology. Physiology of deep-sea diving

26.4. Thursday 9.45-13.00, Ruská, Jonáš Hall 1

 CONFERENCE: Nervous system

11th week

 30.4. Monday 11.30-13.00, Ruská, Jelínek Hall 327
 Physiology of the visual system

 4.5. Friday 8.00-9.30, Ruská, Burian Hall 2

 Physiology of the auditory and vestibular system

 Physiology of olfactory and taste systems.

12th week

 9.5. Wednesday 9.45-11.15, Ruská, Burian Hall 2
 Endocrinology – general physiology of hormones,

 hormonal feed-back, regulation of the hormone

 secretion

10.5. Thursday 11.30-13.00, Ruská, Syllaba Hall 3

 Hypothalamus and its hormones, hormone of the

 pituitary gland.

13th week

14.5. Monday 11.30-13.00, Ruská, Jonáš Hall 1

 Male and female gonadal hormones, physiology of

 Pregnancy birth and lactation

17.5. Thursday 8.00-9.30, Ruská, Jelínek Hall 327

 Hormone of adrenal medulla and cortex, stress

18.5. Friday 8.00-9.30, Ruská, Burian Hall 2

 Hormones of the thyroid and parathyroid gland.

15th week

30.5. Wednesday 9.45-11.15, Ruská, Jonáš Hall 1
 Thermoregulation

1.6. Friday 8.45-12.00, Ruská, Burian Hall 2

 CONFERENCE: Endocrinology and sensory organs

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