

Physiology lectures - DENTISTRY+physiotherapy

Autumn semester 2015/2016

Thursday **13:00 - 14:50** Campus, Department of Physiology, seminary room 207

- 24.9. Structural and functional organisation of the body.
Metabolism. Water and solutes. Cellular contacts and signalling.
Cell membranes. Nervous and muscular activity.
Internal environment (homeostasis).
- 1.10. Physiology of blood. Blood clotting.
Blood types (groups). Plasma proteins.
8. 10. Physiology of the heart. Conduction system.
Cardiac electrophysiology. Electromechanical coupling.
15. 10. Electrocardiography. Arrhythmias.
Cardiac mechanics. Heart cycle.
22. 10. Immune system.
29. 10. Rheology of the blood.
Mikrocirculation.
5. 11. Regulation of blood circulation, of blood pressure.
Variability of circulatory parameters.
12. 11. Regulation of blood flow.
Regional circulation I (pulmonary, skin, muscle).
19. 11. Regional circulation II (cerebral, splanchnic, renal, fetal).
Circulatory reactions.
26. 11. Coronary circulation. Coronary heart disease. Arterial hypertension.
- 30.11.-11.12. anatomy - autopsy practice
17. 12. Examination of cardiovascular system. Heart and circulatory failure.
- 1/7/2016 Topic reserved
- Lecturers: Ba - doc. Babula, Be - doc. Bébarová, E - dr. Závodná, N - prof. Nováková Marie,
P - doc. Pásek, Š - doc. Šimurdová, Z - dr. Nováková Zuzana

doc. PharmDr. Petr Babula, Ph.D.
Head of the Department of Physiology

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