

Physiology lectures - DENTISTRY

Autumn semester 2014/2015

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

- 18. 9. Structural and functional organisation of the body.
Metabolism. Water and solutes. Cellular contacts and signalling.
Cell membranes. Nervous and muscular activity.
- 25. 9. Physiology of blood. Blood clotting.
Blood types (groups). Plasma proteins.
- 2. 10. Physiology of the heart. Conduction system.
Cardiac electrophysiology. Electromechanical coupling.
- 9. 10. Electrocardiography. Arrhythmias.
Cardiac mechanics. Heart cycle.
- 16. 10. Rheology of the blood.
Mikrocirculation.
- 23. 10. Heart failure.
Internal environment (homeostasis).
- 30. 10. Coronary circulation. Coronary heart disease.
Regional circulation I (pulmonary, cerebral, splanchnic).
- 6. 11. Regulation of blood circulation, of blood pressure.
Variability of circulatory parameters.
- 13. 11. Immune system.

- 20. 11. Regional circulation II (skin, muscle, renal, fetal).
Orthostasis.
- 27. 11. Regulation of blood flow.
Arterial hypertension.
- 1.-12.12. autopsy practice
- 18. 12. Examination of cardiovascular system. Circulatory failure.

Lecturers: B - dr. 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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