

Physiology lectures - DENTISTRY+physiotherapy

Autumn semester 2016/2017

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

- 22.9. Structural and functional organisation of the body.
Metabolism. Water and solutes. Cellular contacts and signalling.
Cell membranes. Nervous and muscular activity.
Internal environment (homeostasis).
- 29.9. Physiology of the heart. Conduction system.
Cardiac electrophysiology. Electromechanical coupling.
6. 10. Electrocardiography. Arrhythmias.
Cardiac mechanics. Heart cycle.
13. 10. Rheology of the blood.
Mikrocirculation.
20. 10. Regulation of blood circulation, of blood pressure.
Variability of circulatory parameters. Heart and circulatory failure.
27. 10. Regulation of blood flow.
Regional circulation I (pulmonary, skin, muscle).
3. 11. Regional circulation II (cerebral, splanchnic, renal, fetal).
Circulatory reactions.
10. 11. Physiology of blood. Blood clotting.
Blood types (groups). Plasma proteins.
24. 11. anatomy - autopsy practice
- 1.12. Immune system.
- 8.12. Coronary circulation. Coronary heart disease. Arterial hypertension.
- 15.12. Examination technique in cardiology. Heart and circulatory failure.
- 22.12. Topic reserved
1/5/2017 Topic reserved
- Lecturers: Ba - doc. Babula, Be - doc. Bébarová, 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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