

## **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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