

Tutorial II *spring semester 2014/2015*

Group No. 30	3/16/2015	15:00 - 17:30	Campus, Department of Physiology, room 207
Group No. 33	3/17/2015	16:15 - 18:45	Campus, Department of Physiology, library
Group No. 31	3/18/2015	13:00 - 15:30	Campus, Department of Physiology, room 207
Group No. 34	3/23/2015	15:00 - 17:30	Campus, Department of Physiology, room 207
Group No. 36	3/24/2015	16:15 - 18:45	Campus, Department of Physiology, room 207
Group No. 32	3/25/2015	13:00 - 15:30	Campus, Department of Physiology, room 207
Group No. 37	3/31/2015	16:15 - 18:45	Campus, Department of Physiology, room 207
Group No. 35	4/1/2015	13:00 - 15:30	Campus, Department of Physiology, room 207

The tutorials will be held by doc. PharmDr. Petr Babula, Ph.D.

ENDOCRINE PHYSIOLOGY

1. General principles of endocrine physiology

Hierarchy of endocrine functions - examples, second messengers, hormone-receptor complex, up- and down-regulation of receptors.

2. Humoral regulation of mineral and water metabolism

Vasopressin, aldosterone, ANF, parathormone, vitamin D, calcitonin.

3. Regulation of glycemia

Insulin, glucagon, cortison, STH, adrenaline. Diabetes mellitus.

4. Humoral regulation of energy production

Thyroid gland, thyreopathies.

All students are obliged to read the theory prior to the tutorial (Barrett: Ganong ´s Review of Medical Physiology, Section IV-chapters 20-25).

The tutorials are obligatory, the presence is the condition for obtaining the credit.

Attendance at all tutorials is a condition for obtaining the credit.

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

