

# **Pathological physiology II**

## **Goals of teaching**

### **General medicine**

**Dept. of Pathological Physiology, Faculty of Medicine in Pilsen, Charles University**

- The subject pathological physiology II follows the subject pathological physiology I. The subject pathological physiology II includes in full extent knowledge and skills of the subject pathological physiology I.
- The student knows the facts in the areas of general and special pathophysiology defined in the syllabus of the subjects pathological physiology I and II, he can present and logically organize them, recognize and evaluate their importance, present examples of described phenomena.
- The student can define and explain terms and concepts listed in the syllabus of the subject, he can list, define and explain related terms.
- For the diseases, pathological states, phenomena and processes listed in the syllabus, the student is able to enumerate and define related terms, describe and explain their causes, origin and risk factors, pathogenesis, manifestations, consequences, potential complications and pathophysiological aspects of basic therapeutic or preventive approaches.
- The student can evaluate importance of etiological, risk and pathogenetic factors of diseases.
- The student is oriented in the problems and can explain pathophysiological mechanisms of diseases, explain how and why the pathological processes proceed, can use the knowledge of general pathophysiological rules to understand and explain pathophysiology of particular organ systems and diseases and pathological states.
- The student knows, understands and can explain relations between various parts of special pathophysiology. The student understands and can apply interrelations of individual organ systems under normal and pathological conditions.
- The student has knowledge of subjects which pathophysiology follows up on, i.e. anatomy, histology, embryology, biology chemistry and biochemistry, biophysics, physiology, microbiology and pathological physiology I. The student can use this knowledge to understand pathophysiology and can find and explain their relations.
- The student is able to search in the study literature and other sources for relevant information on the areas defined by exam questions and the syllabus of subjects pathological physiology I and II.
- The student has practical skills in the range defined in the syllabus of the subject and can perform correctly given tasks.
- The student practices and extends knowledge and skills in the topics of the subject pathological physiology I and puts them into the context of new knowledge.