

PAVOL JOZEF ŠAFÁRIK UNIVERSITY IN KOŠICE

Faculty of Medicine



Department of Medical Physiology
P. J. Šafárik University Faculty of Medicine
Trieda SNP 1
040 11 Košice

Course name: Physiology and pathophysiology of the cardiorespiratory system

Course level: III. degree

Study field: General Medicine

Study programme: Normal and Pathological Physiology

Study plan:

Course type: Lecture / Seminar

Recommended course-load (hours): Per week: 1 / 2 Per study period: 14 / 28

Number of ECTS credits: 10

Brief outline of the course:

- Cardiorespiratory relationships and regulatory mechanisms
- The interconnection of the cardiac and respiratory systems and their mutual synchronization
- Minute cardiac output and minute alveolar ventilation
- Blood pressure regulation and new perspectives on arterial hypertension

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Learning outcomes:

Acquisition of advanced knowledge of physiological and pathophysiological mechanisms involved in the regulation of the cardiorespiratory system.

Teachers:

prof. MUDr. Viliam Donič, CSc., Assoc prof. MUDr. Roman Beňačka, CSc., mim. prof., MUDr. Eva Sedláková, PhD.

Approved by: prof. MUDr. Viliam Donič, CSc.