

## REQUIREMENTS

<b>Semmelweis University, Faculty of General Medicine – single, long-cycle medical training programme</b>			
<b>Name of the host institution (and any contributing institutions):</b> <b>Belgyógyászati és Hematológiai Klinika</b>			
<b>Name of the subject: Belgyógyászat - kardiometabolikus profil</b>			
<b>in English: Cardiometabolic Diseases</b>			
<b>in German: Kardiometabolische Erkrankungen</b>			
<b>Credit value: 6</b>			
<b>Semester: 12.</b> <i>(as defined in the curriculum)</i>			
<b>Total number of classes per week:</b>	<b>lectures:</b>	<b>practical lessons:</b>	<b>seminars:</b>
30		30	
<b>Type of subject: compulsory    <u>optional</u>    elective</b>			
<b>Academic year:2023-24</b>			
<b>Language of instruction, for optional or elective subjects: English</b>			
<b>Course code: AOKADH661_SA</b>			
<b>Course coordinator: Dr. Masszi Tamás</b>			
<b>Place of work, phone number: Department of Internal Medicine and Hematology, +36-1-375-7364</b>			
<b>Position: Head of the Department</b>			
<b>Date and number of habilitation: 2010.06.07., száma: 305</b>			
<b>Objectives of the course and its place in the medical curriculum:</b>			
During the course, we place special emphasis on practical education. Students participate in patient care in the department and in the outpatient clinic, individual and group patient education and dietary counseling, as well as podiatry appointments. They gain practice in ECG preparation and analysis. They take part in echocardiography examinations and learn basic techniques during "hands-on" exercises.			
The following topics will be discussed separately in the training:			
- Classification of diabetes and its practical significance in the choice of therapy			
-Treatment of hyperglycemic crisis states (diabetic ketoacidosis, hyperglycemic hyperosmolar syndrome) in the internal medicine department			
- Cardiovascular preventive treatment of type 2 diabetes mellitus			
- Insulin treatment of type 2 diabetes mellitus			
- Insulin treatment of type 1 diabetes mellitus			
- Insulin pump treatment in type 1 diabetes mellitus			
- Practice of tissue sensor use in type 1 diabetes mellitus			
- Insulin treatment strategies for hospitalized patients			
- Outpatient diabetes care (participation in outpatient appointments)			
- The importance of patient education in type 1 and type 2 diabetes - participation in individual and group patient education			
- The importance of foot care in the prevention of diabetic foot syndrome - participation in the podiatric appointment			
- Diabetes care during pregnancy			
- Diagnosis and modern treatment of lipid metabolism disorders - participation in the lipid clinic			

<p><b>Place of instruction (address of lecture hall or seminar room etc.):</b>  Semmelweis University, Department of Internal Medicine and Hematology  1088 Budapest, Szentkirályi u. 46.</p>
<p><b>Competencies acquired through the completion of the course:</b>  Primary care of acute complications of diabetes, therapeutic decisions, patient education, cardiovascular risk assessment, baseline ECG analysis, use of informative cardiovascular ultrasound.</p>
<p><b>Prerequisites for course registration and completion:</b>  Pharmacology, internal medicine II.</p>
<p><b>Conditions for concurrent course registration and permission thereof in the case of a multi-semester subject:</b></p>
<p><b>Student headcount conditions for starting the course (minimum, maximum) and method of student selection:</b>  Students are registered in the NEPTUN System (max.15)</p>
<p><b>Detailed course description:</b>  <i>(Theoretical and practical instruction must be broken down into lessons (weeks), numbered separately. Please provide the names of lecturers in both types of lessons, indicating guest lecturers. This information is not to be attached separately. CVs of guest lecturers, however, must be attached.)</i>  Students take part of the daily routine of the department. Teachers are the doctors, specialists, lecturers of the department upon availability</p>
<p><b>Related subjects due to interdisciplinary fields (both compulsory and elective) and potential overlaps between subjects:</b>  Cardiology  Endocrinology</p>
<p><b>Attendance requirements; conditions under which students can make up for absences and the method of absence justification:</b>  According to the Study and Examination Regulations, students are required to participate on at least 75% of all practices</p>
<p><b>Form of assessment in the study period:</b>  (including the number, topics and scheduling of oral and written tests, their share in the overall evaluation, make-up tests and improvement tests)  There is no intermediate formal assessment. However, the interactive nature of the practices and consultations makes it possible to check the students' knowledge and the use of the information available to them.</p>
<p><b>Number and type of assignments for individual work and the deadline for submission:</b>  N/A</p>
<p><b>Requirements to obtain the teacher's signature:</b>  According to the Study and Examination Regulations, students are required to participate on at least 75% of all practices</p>
<p><b>Type of assessment</b> <i>(comprehensive examination, end-term examination, term-grade, term-grade on a three-grade rating scale, no examination):</i>  term-grade on a three-grade rating scale</p>
<p><b>Examination requirements:</b>  <i>(list of examination topics, subject areas of tests / examinations, lists of mandatory parameters, figures, concepts and calculations, practical skills)</i>  In the exam, we ask for the practical aspects of the diagnosis and treatment of diabetology and the main cardiology pathologies, based on what was seen in the elective practice</p>
<p><b>Method and type of grading:</b>  <i>(Share of theoretical and practical examinations in the overall evaluation. Inclusion of the results of the end-of-term assessment. Possibilities of and conditions for offered grades.)</i>  The activity shown during the practice and the performance in the practical exam count together for the grade.</p>
<p><b>List of course books, textbooks, study aids and literature facilitating the acquisition of knowledge to complete the course and included in the assessment, precisely indicating which requirement each item is related to (e.g., topic by topic) as well as a list of important technical</b></p>

<b>and other applicable study aids:</b> online materials on the Moodle website Oxford Handbook of Clinical Medicine (Weatherall, Ledingham, Warrel, 10th ed. 2020). Harrison's Principles of Internal Medicine 21st ed. (McGraw-Hill, 2022). Herold Belgyógyászat (orvosoknak-medikusoknak): magyar kiadás: Medicina Könyvkiadó, 2017)
<b>Signature of habilitated instructor (course coordinator) announcing the course:</b>
<b>Signature of the director of the host institution:</b>
<b>Date of submission:</b>