

Georg-August-Universität Göttingen		9 C 6 WLH
Module M.CVS.201: Cardiovascular diseases and therapies		
Learning outcome, core skills: Students who have successfully finished this module have an advanced knowledge of: <ul style="list-style-type: none"> • Etiology and pathophysiology, signs and symptoms, diagnosis, classifications, management, prognosis of important cardiovascular diseases including e.g. coronary artery disease, load-dependent heart diseases, cardiomyopathies, myocarditis, pulmonary heart diseases (PAH and COPD), arrhythmia and their outcomes e.g. myocardial infarction, stroke, left and right heart failure • Risk factors for heart diseases including diabetes, hypertension, metabolic syndrome • Treatment strategies and basic pharmacological principles including pharmacodynamics, pharmacokinetics, interference with the catecholamine, acetylcholine and RAA systems, diuretics, anti-arrhythmic drugs, vasodilators, lipid-lowering drugs, anti-thrombotic drugs, anti-diabetic drugs • Modern (experimental) therapeutic approaches including gene therapy, cell-based therapy, tissue regeneration • Interventional therapies including e.g. surgeries of acquired heart diseases, arrhythmias, of the vasculature and congenital heart defects 		Workload: Attendance time: 84 h Self-study time: 186 h
Course: M.CVS.201.Lec Cardiovascular diseases and therapies (Lecture) <i>Contents:</i> <ul style="list-style-type: none"> • Clinical Aspects of Cardiovascular diseases • Cardiovascular Pharmacology • Interventional Therapies 		5 WLH
Examination: Written examination (180 minutes) M.CVS.201.1: Cardiovascular diseases and therapies - written exam Examination requirements: Written examination about the diagnosis of cardiovascular diseases via imaging and their pharmacological and interventional therapies, clinical aspects of cardiovascular diseases in adults and children.		7 C
Course: M.CVS.201.C Cardiovascular diseases and therapies (Practical course) <i>Contents:</i> <ul style="list-style-type: none"> • ECG reading • Case studies 		1 WLH
Examination: Oral Presentation (approx. 15 minutes), not graded M.CVS.201.2: Cardiovascular diseases and therapies - presentation Examination requirements: Short PowerPoint presentation about a given topic, including max. 5 minutes discussion.		2 C
Admission requirements:	Recommended previous knowledge: M.CVS.101 and M.CVS.102	
Language:	Person responsible for module:	

English	Prof. Susanne Lutz
Course frequency: each summer semester	Duration: 1 semester[s]
Number of repeat examinations permitted: twice	Recommended semester: 2
Maximum number of students: 25	
Additional notes and regulations: Teaching capacity provided by: Med-VK: -; Med-KT: 28h lecture; Med.-K: 56h lecture, 14h practical work	