

Lectures outline for the cardiovascular system 2023

	Subject	No.	In-person lectures	No.	Recorded lectures
Week 1	Anatomy	2	-Superior mediastinum. -Middle and posterior mediastinum.	1	-Histology.
	Physiology	2	-Introduction: cardiac vs skeletal muscles. -Electrical activity of the heart.	0	-NA
	Pharmacology	2	-Lipids 1. -Ischemic heart disease 1.	1	-Lipids 2.
	Pathology	2	-Thrombosis. -Embolism and infarction.	1	-Veins and lymphatics.
Week 2	Anatomy	2	-Pericardium. -External heart morphology.	1	-Heart chambers.
	Physiology	2	-Conductive system of the heart. -Introduction to ECG.	0	-NA
	Pharmacology	2	-Heart failure 1. -Heart failure 2.	1	-Ischemic heart disease 2.
	Pathology	2	-Arteriosclerosis. -Aneurysms.	1	-Hypertensive vascular disease.
Week 3	Anatomy	1	-Heart innervation and surface anatomy.	1	-Heart valves and blood supply.
	Physiology	2	-ECG waves, segments, and intervals. -ECG leads and vectorial analysis.	0	-NA
	Pharmacology	1	-Arrhythmia 1.	1	-Arrhythmia 2.
	Pathology	0	-NA	1	-Neoplasms of CVS.
Week 4	Anatomy	2	-Development of the heart 1. -Development of the heart 2.	0	-NA
	Physiology	4	-ECG. -Cardiac arrhythmias. -Vascular hemodynamics 1. -Local control of BP.	2	-Vascular hemodynamics 2. -Vascular hemodynamics 3.
	Pharmacology	1	-Antihypertensive drugs 1.	1	-Antihypertensive drugs 2.
	Pathology	2	-Ischemic heart disease 1. -Valvular heart disease 1.	1	-Ischemic heart disease 2.

Week 5	Anatomy	2	-Development of arteries. -Development of veins.	1	-Practical histology and radiology of the heart.
	Physiology	3	-Cardiac cycle phases. -Volume-pressure curve. -Clinical physiology (vascular).	2	-Hormonal control of BP. -Neural control of BP.
	Pharmacology	1	-Antihypertensive drugs 3.	0	-NA
	Pathology	1	-Valvular heart disease 2.	0	-NA
	Microbiology	1	-Infective endocarditis.	1	-Myocarditis.
	Clinical	1	-Case discussion/ Cardiovascular Surgery.	0	-NA
Week 6	Clinical	1	-Case discussion/Cardiology.	1	-Case discussion 2/Cardiology.
	Physiology	2	-Regulation of CO. -Frank-Starling law.	1	-Special circulations.
	Microbiology	1	-Viral hemorrhagic fever.	0	-NA