

University of Jordan
Department of Physiology And Biochemistry
Cardiovascular Physiology
Medical Students
FALL 2020-2021

Textbook: Textbook of Medical Physiology
By: Arthur C. Guyton & John E. Hall 13th Edition 2016

<u>Lecture Topics</u>	<u>Guyton 13th</u>
1. Introduction	61-70,109-112
2. Cardiac mm. Physiology	109-112
3. Conduction System of the heart	123-129
4. Electrocardiography	131-137
5. Electrocardiography-	139-147
6. Electrocardiography- <i>E-learning</i>	147-165
7. Electrocardiography- <i>E-learning</i>	
8. Heart as a pump and cardiac cycle	113-122
9. Heart as a pump and cardiac cycle- <i>E-learning</i>	
10. Heart as a pump and cardiac cycle - <i>E-learning</i>	
11. Cardiac output and venous return	245-258
12. Cardiac output and venous return	
13. Cardiac output and venous return	
14. Circulation / systemic	169-188
15. Circulation / Haemodynamics	
16. Circulation / Haemodynamics	
17. Arterial System/Regulation of arterial blood pressure	215-225
18. Arterial System/ Regulation of ABP- <i>E-learning</i>	227-243
19. Blood flow / Tissues and is control	203-213
20. Special circulations (coronary Muscle blood flow and exercise	259-269

Optional Readings:

1. Physiology , latest edition , by : Berne and Levy last edition
2. Physiological Basis of Medical Practice, twelfth edition , by : John B. West 1990.
3. Human physiology from cells to systems, latest edition, by: Lauralee Sherwood. Last edition

FAISAL I. MOHAMMED. MD, PhD

Pathology

Textbook: Robbins Basic Pathology

Topics:

- 1- thrombosis
- 2- embolism/ infarction
- 3- veins & lymphatics
- 4- arteriosclerosis
- 5- hypertensive vascular disease
- 6- aneurysms
- 7- IHD-1
- 8- IHD-2
- 9- valve diseases-1
- 10- valve diseases- 2
- 11- CVS tumors

Microbiology

Topics:

1. Viral hemorrhagic fevers
2. Infective endocarditis
3. Myocarditis

Pharmacology

Topics:

1. Drug treatment of Hypertension
2. Drug treatment of Cardiac arrhythmias
3. Drug treatment of Ischemic Heart Disease
4. Drug treatment of Heart Failure
5. Drug treatment of Hyperlipidemias

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