

COURSE CONTENT

University: Muğla Sıtkı Koçman University

Faculty: Medicine/ **Program:** English Program

Academic Year: 2020-2021

Phase: 5/ Course: Cardiovascular Surgery

Course Code: MED 5023 / **ECTS:** 3 / **T+U+L:** Theoretical + Practical

Course Type : Compulsory/ **Course Length :** 2 weeks/ **Type of Instruction :** Formal/ **Language of Instruction :** English

Theoretical:

1. Anamnesis, Physical Examination and Radiological Imaging Methods in Aortoperipheral Occlusive Arterial Diseases (1hour)
2. Aortic Coarctation and Interrupted Arcus Aorta (1hour)
3. Aortic Valve Diseases and Surgical Treatment Methods (1hour)
4. Cardioplegic cardiac arrest, myocardial protection methods, systemic inflammatory response and treatment in open heart surgery (1hour)
5. Cardiopulmonary Bypass and Heart-Lung Machine (1hour)
6. Congenital heart diseases with left-right shunt, Surgical and interventional treatment methods (1hour)
7. Congenital Tricuspid valve diseases and Ebstein Anomaly (1hour)
8. Cyanotic and Acyanotic Congenital Heart Diseases (1hour)
9. Diagnosis and Treatment in Carotid Artery Stenosis (1hour)
10. Diagnosis and Treatment in Chronic Venous Insufficiency (1hour)
11. Diagnosis and Treatment of Deep Venous Thrombosis and Venous Thromboembolism (1hour)
12. Diagnosis, Surgical and Interventional Treatment Methods in Abdominal Aorta, Iliac and Peripheral Arterial Aneurysms (1hour)
13. Diagnosis, Typing, Imaging, Surgical and Interventional Treatment Methods in Aortic Dissections (1hour)
14. Fallot Tetralogy, Diagnosis and Treatment (1hour)
15. Heart Tumors and Surgical Treatment (1hour)
16. History of Open Heart Surgery (1hour)
17. Infective Endocarditis and Surgical Treatment (1hour)
18. Intensive care management of patients after open heart surgery (1hour)
19. Isolated Heart, Heart-Lung Transplantation and Transplantation Immunology (1hour)
20. Left ventricular aneurysms and surgical treatment (1hour)
21. Lymphatic and Vasospastic Vascular Diseases (1hour)
22. Mechanical complications of myocardial infarction and Surgical Treatment (1hour)
23. Medical Treatment Indications and Drug Options in Aortoperipheral Occlusive Arterial Diseases (1hour)
24. Minimally Invasive Heart Surgery (Off-pump, MIDCAB, Robotic Heart Surgery etc.) (1hour)
25. Mitral valve disease and Surgical Treatment Methods (1hour)
26. Non-transplant surgical treatment methods, Ventricular support devices and Total artificial heart in chronic heart failure (1hour)
27. Pericardial Diseases and Surgical Treatment (1hour)
28. Pulmonary Atresias, Diagnosis, Typing, Surgical and Interventional Treatment Methods (1hour)
29. Pulmonary Venous Return Anomalies and Cor Triatriatum (1hour)
30. Surgical and Interventional Revascularization Methods in Aortoperipheral Occlusive Arterial Diseases (1hour)
31. Surgical treatment in cardiac arrhythmias (1hour)
32. Surgical Treatment in congenital heart diseases with single ventricular physiology (1hour)

33. Surgical Treatment of Coronary Artery Diseases and Intra-aortic balloon pump use (1hour)		
34. Thoracic and Thoracoabdominal Aortic Aneurysms, Surgical and Interventional Treatment Methods (1hour)		
35. Transposition of great arteries and congenital coronary artery anomalies (1hour)		
Practical:		
1. Anatomy and Physiology of Cardiovascular System -Overview of Peripheral Arterial Diseases and Physical Examination (1hour)		
2. Basic ECG Information (1hour)		
3. Congenital Heart Diseases Surgical Administration B:CVSW (1hour)	GROUP-A:OR	GROUP
4. Congenital Heart Diseases Surgical Administration B:OR (1hour)	GROUP-A:CVSW	GROUP
5. Congenital Heart Diseases Surgical Administration (1hour)	GROUP-A:ICU	GROUP B:OPC
6. Consulting Hours (1hour)		
7. Consulting Hours (1hour)		
8. Coronary Surgery Administration B:CVSW (1hour)	GROUP-A:OR	GROUP
9. Coronary Surgery Administration B:OR (1hour)	GROUP-A:CVSW	GROUP
10. Coronary Surgery Administration B:OPC (1hour)	GROUP-A:ICU	GROUP
11. Fetal Circulation Overview of Congenital Heart Diseases and Physical Examination (1hour)		
12. Overview of Coronary Artery Diseases and Physical Examination (1hour)		
13. Overview of Heart Valve Diseases and Physical Examination (1hour)		
14. Overview of Venous and Lymphatic Diseases and Physical Examination (1hour)		
15. Surgical Administration of Venous System Diseases B:ICU (2hour)	GROUP-A:OPC	GROUP
16. Surgical Administration of Venous System Diseases B:CVSW (2hour)	GROUP-A:OR	GROUP
17. Surgical Administration of Venous System Diseases B:OR (2hour)	GROUP-A:CVSW	GROUP
18. Surgical Administration of Peripheral Arterial Diseases (1hour)	GROUP-A:ICU	GROUP B:OPC
19. Surgical Administration of Peripheral Arterial Diseases (2hour)	GROUP-A:OPC	GROUP B:ICU
20. Surgical Administrations of Heart Valve Diseases B:CVSW (1hour)	GROUP-A:OR	GROUP
21. Surgical Administrations of Heart Valve Diseases B:OR (1hour)	GROUP-A:CVSW	GROUP
22. Surgical Administrations of Heart Valve Diseases (1hour)	GROUP-A:ICU	GROUP B:OPC
Others:		
1. Advisory hour (4hour)		
2. Cardiovascular Surgery Oral Examination (4hour)		
3. Cardiovascular Surgery Theoretical Examination (4hour)		
4. THE SUBJECT OF THE LECTURE (2hour)		