

## COURSE CONTENT

**University:** Muğla Sıtkı Koçman University

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

**Academic Year:** 2022-2023

**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 Valve Diseases and Surgical Treatment Methods (1hour)
3. Congenital heart diseases with left/right shunt, Surgical and interventional treatment methods (1hour)
4. Congenital Tricuspid valve diseases and Ebstein Anomaly (1hour)
5. Cyanotic and Acyanotic Congenital Heart Diseases (1hour)
6. Diagnosis and Treatment in Carotid Artery Stenosis (1hour)
7. Diagnosis, Surgical and Interventional Treatment Methods in Abdominal Aorta, Iliac and Peripheral Arterial Aneurysms (1hour)
8. Diagnosis, Typing, Imaging, Surgical and Interventional Treatment Methods in Aortic Dissections (1hour)
9. Fallot Tetralogy, Diagnosis and Treatment (1hour)
10. Heart Tumors and Surgical Treatment (1hour)
11. Infective Endocarditis and Surgical Treatment (1hour)
12. Isolated Heart, Heart-Lung Transplantation and Transplantation Immunology (1hour)
13. Left ventricular aneurysms and surgical treatment (1hour)
14. Mechanical complications of myocardial infarction and Surgical Treatment (1hour)
15. Medical Treatment Indications and Drug Options in Aortoperipheral Occlusive Arterial Diseases (1hour)
16. Mitral valve disease and Surgical Treatment Methods (1hour)
17. Non-transplant surgical treatment methods, Ventricular support devices and Total artificial heart in chronic heart failure (1hour)
18. Overview of Heart Valve Diseases and Physical Examination, (1hour)
19. Önt (1hour)
20. Önt-A-K (2hour)
21. Önt-K (1hour)
22. Pericardial Diseases and Surgical Treatment (1hour)
23. Pulmonary Atresias, Diagnosis, Typing, Surgical and Interventional Treatment Methods (1hour)
24. Pulmonary Venous Return Anomalies and Cor Triatriatum (1hour)
25. Surgical and Interventional Revascularization Methods in Aortoperipheral Occlusive Arterial Diseases (1hour)
26. Surgical treatment in cardiac arrhythmias (1hour)
27. Surgical Treatment in congenital heart diseases with single ventricular physiology (1hour)
28. Surgical Treatment of Coronary Artery Diseases and Intra-aortic balloon pump use (1hour)
29. Thoracic and Thoracoabdominal Aortic Aneurysms, Surgical and Interventional Treatment Methods (1hour)
30. Transposition of great arteries and congenital coronary artery(1hour)

### Practical:

1. Academic Consulting Hour (2hour)

2. Congenital Heart Diseases Surgical Administration GROUP-A: CVSW General And Problem-Oriented (1hour)
3. Congenital Heart Diseases Surgical Administration GROUP-A: ICU Arterial Blood Gas Collection, Ability To Measure Blood Pressure, Ability To Transfuse Blood, Ability To Apply Oxygen Nebula-Inhaler Therapy GROUP B: OPC Cardiovascular System Physical Examination, Abdominal Examination, General And Problem-Oriented History Taking (1hour)
4. Congenital Heart Diseases Surgical Administration GROUP-A: OR Providing Decontamination, Disinfection, Sterilization, Antisepsis, Hand Washing, Superficial Suturing and Retrieving GROUP B: CVSW General And Problem-Oriented History Taking, Information And Consent, Preparing A Patient File, Ability To Prepare Discharge note, Preparing A Treatment Refusal Document (1hour)
5. Coronary Surgery Administration GROUP-A: CVSW General And Problem-Oriented History Taking, information And Consent, Preparing A Patient File, Ability To Prepare Discharge note, Preparing A Treatment Refusal Document GROUP B: OR Providing Decontamination, Disinfection, Sterilization, Antisepsis, Hand Washing, Superficial Suturing And Retrieving (1hour)
6. Coronary Surgery Administration GROUP-A: OR Providing Decontamination, Disinfection, Sterilization, Antisepsis, Hand Washing, Superficial Suturing and Retrieving GROUP B: CVSW General And Problem-Oriented History Taking, Information And Consent, Preparing A Patient File, Ability To Prepare Discharge note, Preparing A Treatment Refusal Document (1hour)
7. Coronary Surgery Administration GROUP-A: ICU Arterial Blood Gas Collection, Ability To Measure Blood Pressure, Ability To Transfuse Blood, Ability To Apply Oxygen Nebula-Inhaler Therapy GROUP B: OPC Cardiovascular System Physical Examination, Abdominal Examination, General And Problem-Oriented History Taking (1hour)
8. Course Introduction-Information Meeting Overview of Peripheral Arterial Diseases and Physical Examination Cardiovascular System Examination (1hour)
9. Overview of Congenital Heart Diseases and Physical Examination, Cardiovascular System Physical Examination (1hour)
10. Overview of Coronary Artery Diseases and Physical Examination, (1hour)
11. Overview of Venous and Lymphatic Diseases and Physical Examination Cardiovascular System Physical Examination (1hour)
12. Önt-K GROUP-A (NCEP-D2) (NCEP- E21) (NCEP- E70) GROUP-B (NCEP-A1) (NCEP-C3) (NCEP-C7) (NCEP-C5) (NCEP- C1 0) (1hour)
13. Surgical Administration of Peripheral Arterial Diseases (1hour)
14. Surgical Administration of Peripheral Arterial Diseases GROUP-A: CVSW General And Problem-Oriented History Taking, information And Consent, Preparing A Patient File, Ability To Prepare Discharge note, Preparing A Treatment Refusal Document GROUP B: OR Providing Decontamination, Disinfection, Sterilization, Antisepsis, Hand Washing, Superficial Suturing And Retrieving (1hour)
15. Surgical Administration of Peripheral Arterial Diseases GROUP-A: ICU Arterial Blood Gas Collection, (1hour)
16. Surgical Administration of Peripheral Arterial Diseases GROUP-A: OPC Cardiovascular System Physical Examination, Abdominal Examination, General And Problem-Oriented History Taking GROUP B: ICU Arterial Blood Gas Collection, Ability To Measure Blood Pressure, Ability To Transfuse Blood, Ability To Apply Oxygen Nebula-Inhaler Therapy (1hour)
17. Surgical Administration of Peripheral Arterial Diseases GROUP-A: OR Providing Decontamination, Disinfection, Sterilization, Antisepsis, Hand Washing, Superficial Suturing and Retrieving GROUP B: CVSW General And Problem-Oriented History Taking, Information And Consent, Preparing A Patient File, Ability To Prepare Discharge note, Preparing A Treatment Refusal Document (1hour)
18. Surgical Administration of Venous System Diseases GROUP-A: CVSW General And Problem-Oriented History Taking, information And Consent, Preparing A Patient File, Ability To Prepare Discharge note, Preparing A Treatment Refusal Document GROUP B: **OR**

Providing Decontamination, Disinfection, Sterilization, Antisepsis, Hand Washing, Superficial Suturing and Retrieving (1hour)

19. Surgical Administration of Venous System Diseases GROUP-A: OPC Cardiovascular System Physical Examination, Abdominal Examination, General And Problem-Oriented History Taking GROUP B: ICU Arterial Blood Gas Collection, Ability To Measure Blood Pressure, Ability To Transfuse Blood, Ability To Apply Oxygen Nebula-Inhaler Therapy (2hour)
20. Surgical Administration of Venous System Diseases GROUP-A: OR Providing Decontamination, Disinfection, Sterilization, Antisepsis, Hand Washing, Superficial Suturing and Retrieving GROUP B: CVSW General And Problem-Oriented History Taking, Information And Consent, Preparing A Patient File, Ability To Prepare Discharge note, Preparing A Treatment Refusal Document (1hour)
21. Surgical Administrations of Heart Valve Diseases GROUP-A: CVSW General And Problem-Oriented History Taking, Information And Consent, Preparing A Patient File, Ability To Prepare Discharge note, Preparing A Treatment Refusal Document GROUP B: OR Providing Decontamination, Disinfection, Sterilization, Antisepsis, Hand Washing, Superficial Suturing And Retrieving (1hour)
22. Surgical Administrations of Heart Valve Diseases GROUP-A: ICU Arterial Blood Gas Collection, Ability To Measure Blood Pressure, Ability To Transfuse Blood, Ability To Apply Oxygen Nebula-Inhaler Therapy GROUP B: OPC Cardiovascular System Physical Examination, Abdominal Examination, General And Problem-Oriented History Taking(1hour)

**Others:**

1. Ability To Measure Blood Pressure, Ability To Transfuse Blood, Ability To Apply Oxygen Nebula-Inhaler Therapy GROUP B: OPC Cardiovascular System Physical Examination, Abdominal Examination, General And Problem-Oriented History Taking (1hour)
2. Cardiovascular Surgery Oral Examination (2hour)
3. Cardiovascular Surgery Theoretical Examination (4hour)
4. Cardiovascular System Physical Examination (1hour)
5. Course Evaluation Meeting (1hour)
6. Elective Course (4hour)
7. Evaluation of Course Exam Questions (1hour)
8. Free Hour (4hour)
9. GROUP-A: OPC Cardiovascular System Physical Examination, Abdominal Examination, General And Problem-Oriented History Taking GROUP B: ICU Arterial Blood Gas Collection, Ability To Measure Blood Pressure, Ability To Transfuse Blood, Ability To Apply Oxygen Nebula-Inhaler Therapy (1hour)
10. History Taking, Information And Consent, Preparing A Patient File, Ability To Prepare Discharge note, Preparing A Treatment Refusal Document GROUP B: OR Providing Decontamination, Disinfection, Sterilization, Antisepsis, Hand Washing, Superficial Suturing and Retrieving (1hour)
11. NCEP Learning Degree (1hour)
12. note, Preparing A Treatment Refusal Document(1hour)