Topic List

A  BASICS
1  History of Cardiology
2  Clinical Skills
   2.1 History Taking
   2.2 Physical Examination
   2.3 Electrocardiography
   2.99 Clinical Skills - Other

B  IMAGING
3  Imaging
   3.1 Echocardiography
   3.2 Computed Tomography
   3.3 Cardiac Magnetic Resonance
   3.4 Nuclear Imaging
   3.5 Hybrid and Fusion Imaging
   3.6 Cross-Modality and Multi-Modality Imaging Topics
   3.99 Imaging - Other

C  ARRHYTHMIAS AND DEVICE THERAPY
4  Arrhythmias, General
   4.1 Arrhythmias, General – Pathophysiology and Mechanisms
   4.2 Arrhythmias, General – Epidemiology, Prognosis, Outcome
   4.3 Arrhythmias, General – Diagnostic Methods
   4.4 Arrhythmias, General – Treatment
   4.5 Arrhythmias, General – Prevention
   4.6 Arrhythmias, General – Clinical
   4.99 Arrhythmias, General – Other
5  Atrial Fibrillation
   5.1 Atrial Fibrillation - Pathophysiology and Mechanisms
   5.2 Atrial Fibrillation - Epidemiology, Prognosis, Outcome
   5.3 Atrial Fibrillation - Diagnostic Methods
   5.4 Atrial Fibrillation - Treatment
   5.5 Atrial Fibrillation - Stroke Prevention
   5.6 Atrial Fibrillation - Stroke Treatment
   5.7 Atrial Fibrillation - Prevention
   5.8 Atrial Fibrillation - Clinical
   5.99 Atrial Fibrillation – Other
6  Supraventricular Tachycardia (non-AF)
   6.1 Supraventricular Tachycardia (non-AF) - Pathophysiology and Mechanisms
   6.2 Supraventricular Tachycardia (non-AF) - Epidemiology, Prognosis, Outcome
   6.3 Supraventricular Tachycardia (non-AF) - Diagnostic Methods
   6.4 Supraventricular Tachycardia (non-AF) - Treatment
   6.5 Supraventricular Tachycardia (non-AF) - Prevention
   6.6 Supraventricular Tachycardia (non-AF) - Clinical
   6.99 Supraventricular Tachycardia (non-AF) - Other
7  Syncope and Bradycardia
  7.1  Syncope and Bradycardia - Pathophysiology and Mechanisms
  7.2  Syncope and Bradycardia - Epidemiology, Prognosis, Outcome
  7.3  Syncope and Bradycardia - Diagnostic Methods
  7.4  Syncope and Bradycardia - Treatment
  7.5  Syncope and Bradycardia - Prevention
  7.6  Syncope and Bradycardia - Clinical
  7.99  Syncope and Bradycardia - Other

8  Ventricular Arrhythmias and Sudden Cardiac Death (SCD)
  8.1  Ventricular Arrhythmias and SCD - Pathophysiology and Mechanisms
  8.2  Ventricular Arrhythmias and SCD - Epidemiology, Prognosis, Outcome
  8.3  Ventricular Arrhythmias and SCD - Diagnostic Methods
  8.4  Ventricular Arrhythmias and SCD - Treatment
  8.5  Ventricular Arrhythmias and SCD - Prevention
  8.6  Ventricular Arrhythmias and SCD - Clinical
  8.99  Ventricular Arrhythmias and SCD - Other

9  Device Therapy
  9.1  Antibradycardia Pacing
  9.2  Implantable Cardioverter / Defibrillator
  9.3  Cardiac Resynchronization Therapy
  9.4  Home and Remote Patient Monitoring
  9.5  Device Complications and Lead Extraction
  9.99  Device Therapy - Other

D  HEART FAILURE
10  Chronic Heart Failure
  10.1  Chronic Heart Failure – Pathophysiology and Mechanisms
  10.2  Chronic Heart Failure – Epidemiology, Prognosis, Outcome
  10.3  Chronic Heart Failure – Diagnostic Methods
  10.4  Chronic Heart Failure – Treatment
  10.5  Chronic Heart Failure – Prevention
  10.6  Chronic Heart Failure - Clinical
  10.99  Chronic Heart Failure - Other

11  Acute Heart Failure
  11.1  Acute Heart Failure – Pathophysiology and Mechanisms
  11.2  Acute Heart Failure – Epidemiology, Prognosis, Outcome
  11.3  Acute Heart Failure – Diagnostic Methods
  11.4  Acute Heart Failure – Treatment
  11.5  Acute Heart Failure – Prevention
  11.6  Acute Heart Failure - Clinical
  11.99  Acute Heart Failure - Other

E  CORONARY ARTERY DISEASE, ACUTE CORONARY SYNDROMES, ACUTE CARDIAC CARE
12  Coronary Artery Disease (Chronic)
  12.1  Coronary Artery Disease – Pathophysiology and Mechanisms
  12.2  Coronary Artery Disease – Epidemiology, Prognosis, Outcome
  12.3  Coronary Artery Disease – Diagnostic Methods
  12.4  Coronary Artery Disease – Treatment
  12.5  Coronary Artery Disease – Prevention
  12.6  Coronary Artery Disease - Clinical
12.7 Non-Atherosclerotic Coronary Abnormalities
12.99 Coronary Artery Disease - Other

13 Acute Coronary Syndromes
13.1 Acute Coronary Syndromes – Pathophysiology and Mechanisms
13.2 Acute Coronary Syndromes – Epidemiology, Prognosis, Outcome
13.3 Acute Coronary Syndromes – Diagnostic Methods
13.4 Acute Coronary Syndromes – Treatment
13.5 Acute Coronary Syndromes – Prevention
13.6 Acute Coronary Syndromes - Clinical
13.99 Acute Coronary Syndromes - Other

14 Acute Cardiac Care
14.1 Acute Cardiac Care – Resuscitation
14.2 Acute Cardiac Care – Prehospital and Emergency Department Care
14.3 Acute Cardiac Care – CCU, Intensive, and Critical Cardiovascular Care
14.4 Acute Cardiac Care – Cardiogenic Shock
14.5 Acute Cardiac Care – Cardiac Arrest
14.99 Acute Cardiac Care – Other

F VALVULAR, MYOCARDIAL, PERICARDIAL, PULMONARY, CONGENITAL HEART DISEASE

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15.1 Valvular Heart Disease – Pathophysiology and Mechanisms
15.2 Valvular Heart Disease – Epidemiology, Prognosis, Outcome
15.3 Valvular Heart Disease – Diagnostic Methods
15.4 Valvular Heart Disease – Treatment
15.5 Valvular Heart Disease – Prevention
15.6 Valvular Heart Disease – Clinical
15.99 Valvular Heart Disease - Other

16 Infective Endocarditis
16.1 Infective Endocarditis – Pathophysiology and Mechanisms
16.2 Infective Endocarditis – Epidemiology, Prognosis, Outcome
16.3 Infective Endocarditis – Diagnostic Methods
16.4 Infective Endocarditis – Treatment
16.5 Infective Endocarditis – Prevention
16.6 Infective Endocarditis – Clinical
16.7 Cardiac Implantable Device-related Endocarditis
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17.2 Myocardial Disease – Epidemiology, Prognosis, Outcome
17.3 Myocardial Disease – Diagnostic Methods
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17.5 Myocardial Disease – Prevention
17.6 Myocardial Disease – Clinical
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18.3 Pericardial Disease – Diagnostic Methods
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18.6 Pericardial Disease – Clinical
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19.2 Tumors of the Heart – Epidemiology, Prognosis, Outcome
19.3 Tumors of the Heart – Diagnostic Methods
19.4 Tumors of the Heart – Treatment
19.5 Tumors of the Heart – Prevention
19.6  Tumors of the Heart – Clinical
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20  Congenital Heart Disease and Pediatric Cardiology
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20.2  Congenital Heart Disease – Epidemiology, Prognosis, Outcome
20.3  Congenital Heart Disease – Diagnostic Methods
20.4  Congenital Heart Disease – Treatment
20.5  Congenital Heart Disease – Prevention
20.6  Congenital Heart Disease – Clinical
20.7  Pediatric Cardiology
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21  Pulmonary Circulation, Pulmonary Embolism, Right Heart Failure
21.1  Pulmonary Circulation, Pulmonary Embolism, Right Heart Failure – Pathophysiology and Mechanisms
21.2  Pulmonary Circulation, Pulmonary Embolism, Right Heart Failure – Epidemiology, Prognosis, Outcome
21.3  Pulmonary Circulation, Pulmonary Embolism, Right Heart Failure – Diagnostic Methods
21.4  Pulmonary Circulation, Pulmonary Embolism, Right Heart Failure - Treatment
21.5  Pulmonary Circulation, Pulmonary Embolism, Right Heart Failure - Prevention
21.6  Pulmonary Circulation, Pulmonary Embolism, Right Heart Failure – Clinical
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G  AORTIC DISEASE, PERIPHERAL VASCULAR DISEASE, STROKE

22  Aortic Disease
22.1  Aortic Disease – Pathophysiology and Mechanisms
22.2  Aortic Disease – Epidemiology, Prognosis, Outcome
22.3  Aortic Disease – Diagnostic Methods
22.4  Aortic Disease - Treatment
22.5  Aortic Disease – Prevention
22.6  Aortic Disease – Clinical
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23  Peripheral Vascular and Cerebrovascular Disease
23.1  Peripheral Vascular and Cerebrovascular Disease – Pathophysiology and Mechanisms
23.2  Peripheral Vascular and Cerebrovascular Disease – Epidemiology, Prognosis, Outcome
23.3  Peripheral Vascular and Cerebrovascular Disease – Diagnostic Methods
23.4  Peripheral Vascular and Cerebrovascular Disease - Treatment
23.5  Peripheral Vascular and Cerebrovascular Disease – Prevention
23.6  Peripheral Vascular and Cerebrovascular Disease – Clinical
23.99 Peripheral Vascular and Cerebrovascular Disease - Other

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24.2  Stroke – Epidemiology, Prognosis, Outcome
24.3  Stroke - Diagnostic Methods
24.4  Stroke - Treatment
24.5  Stroke - Prevention
24.6  Stroke – Clinical
24.7  Heart and Brain Interaction
24.99 Stroke - Other
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#### 25 Interventional Cardiology
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- 25.2 Coronary Intervention
- 25.3 Non-coronary Cardiac Intervention
- 25.99 Interventional Cardiology - Other

#### 26 Cardiovascular Surgery
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- 26.2 Cardiovascular Surgery – Valves
- 26.3 Cardiovascular Surgery – Congenital Heart Disease
- 26.4 Cardiovascular Surgery – Aorta
- 26.5 Cardiovascular Surgery – Carotid and Peripheral Arteries
- 26.6 Cardiovascular Surgery – Ventricular Assist Devices and Artificial Heart
- 26.7 Cardiovascular Surgery - Circulatory Support
- 26.8 Cardiovascular Surgery - Transplantation
- 26.9 Cardiovascular Surgery – Arrhythmias
- 26.10 Cardiovascular Surgery – Minimally Invasive Surgery
- 26.99 Cardiovascular Surgery - Other

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#### 27 Hypertension
- 27.1 Hypertension – Pathophysiology and Mechanisms
- 27.2 Hypertension – Epidemiology, Prognosis, Outcome
- 27.3 Hypertension – Diagnostic Methods
- 27.4 Hypertension – Treatment
- 27.5 Hypertension – Prevention
- 27.6 Hypertension – Clinical
- 27.99 Hypertension - Other

### Preventive Cardiology

#### 28 Risk Factors and Prevention
- 28.1 Risk Factors and Prevention – Epidemiology
- 28.2 Risk Factors and Prevention – Cardiovascular Risk Assessment
- 28.3 Secondary Prevention
- 28.4 Lipids
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- 28.6 Obesity
- 28.7 Diabetes and the Heart
- 28.8 Environmental and Occupational Aspects of Heart Disease
- 28.9 Stress, Psycho-Social and Cultural Aspects of Heart Disease
- 28.10 Depression and Heart Disease
- 28.11 Nutrition, Malnutrition and Heart Disease
- 28.12 Physical Inactivity and Exercise
- 28.13 Sleep Disorders
- 28.99 Risk Factors and Prevention - Other

#### 29 Rehabilitation and Sports Cardiology
- 29.1 Exercise Testing
- 29.2 Cardiovascular Rehabilitation
- 29.3 Sports Cardiology
- 29.99 Rehabilitation and Sports Cardiology - Other

### Cardiovascular Disease in Special Populations

#### 30 Cardiovascular Disease in Special Populations
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- 30.2 Cardiovascular Disease in Women
- 30.3 Cardiovascular Disease in Special Populations: Pediatric Cardiology
30.4 Non-cardiac Surgery/Pre-surgical Assessment
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30.6 Cardio-Oncology
30.7 Pregnancy and Cardiovascular Disease
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30.9 Renal Failure and Cardiovascular Disease
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30.11 Psychiatric Disorders and Heart Disease
30.12 Autoimmune/Chronic Inflammatory Disorders and Heart Disease
30.13 Substance Abuse and Cardiovascular Disease
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**L**

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31.1 Cardiovascular Pharmacotherapy
31.2 Pharmacogenetics
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31.4 Cardiotoxicity of Drugs
31.99 Pharmacology and Pharmacotherapy - Other

**M**

**CARDIOVASCULAR NURSING**

32 Cardiovascular Nursing
32.1 Acute Nursing Care
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**N**

**E-CARDIOLOGY / DIGITAL HEALTH, PUBLIC HEALTH, HEALTH ECONOMICS, RESEARCH METHODOLOGY**

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33.2 Cardiovascular Signal Processing
33.3 Computer Modeling and Simulation
33.4 Digital Health
33.99 e-Cardiology – Other

34 Public Health and Health Economics
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34.3 Health Economics
34.99 Public Health and Health Economics - Other

35 Research Methodology
35.1 Biostatistics
35.2 Research Methodology: Big Data Analysis
35.3 Cardiovascular Epidemiology
35.4 Trial Design
35.5 Research Ethics
35.99 Research Methodology - Other

**O**

**BASIC SCIENCE**

36 Basic Science
36.1 Basic Science - Cardiovascular Development and Anatomy
36.2 Basic Science - Cardiac Biology and Physiology
36.3 Basic Science - Cardiac Diseases
36.4 Basic Science - Vascular Biology and Physiology
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