



Heart

The discussion on the heart begins with the pericardium. The heart itself is covered in terms of exterior anatomy, the interior of the chambers, valvular anatomy, coronary blood supply and the conducting system.

The topics include:

1. Pericardium (00:10:25)

- Introduction
- Fibrous pericardium
- Serous pericardium
 - Constrictive pericarditis
 - Oblique sinus of pericardium
 - Pericardial effusion
 - Pericardial friction rub
 - Pericardiocentesis
 - Pericarditis

2. Heart - External surfaces (00:20:55)

- Introduction
- Sternocostal surface
- Posterior and Diaphragmatic surface
 - Atherosclerosis and Ischemia
 - Cardiac tamponade
 - Chest X-ray
 - Coronary angiography and Angioplasty
 - Defibrillation and CRP
 - Dextrocardia

3. Heart – Chambers (00:32:32)

- Introduction
- Right atrium
- Right ventricle
- Left atrium
- Left ventricle
 - Aortic stenosis
 - Atrial septal defect
 - Blood flow through the heart
 - Congestive cardiac failure
 - Mitral stenosis
 - Pulmonary stenosis
 - Tricuspid stenosis
 - Ventricular septal defect



4. Valves of the heart (00:22:36)

- Introduction
- The tricuspid valve
- Mitral valve
- Aortic valve
- Pulmonary valve
 - Aortic valve disease
 - Mitral incompetence
 - Mitral stenosis
 - Pulmonary valve disease
 - Tricuspid valve incompetence
 - Tricuspid valve stenosis

5. Coronary circulation (00:10:05)

- Introduction
- Coronary circulation
- Left coronary artery
 - Angioplasty
 - Atherosclerosis and Thrombus formation
 - Coronary angiography
 - Coronary artery bypass surgery
 - Embolus and Ischemia

6. Venous drainage (00:02:05)

- Introduction
- Venous drainage of the heart
 - Coronary sinus type atrial septal defect

7. Conducting system of the heart (00:09:36)

- Introduction
- SA node
- AV node
- AV bundle
 - Artificial pace maker
 - Heart block
 - Ventricular fibrillation