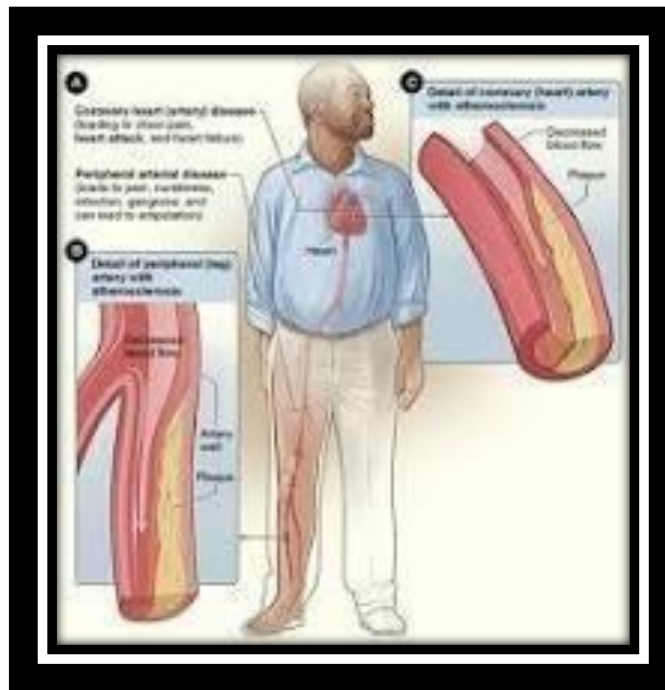


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Diseases of Cardiovascular System Diseases of Heart

1 - Coronary Artery Diseases / major cause of death , where the arteries of the heart cannot deliver enough oxygen (of Ischemia) or called Angina Pectoris / Partial obstruction .



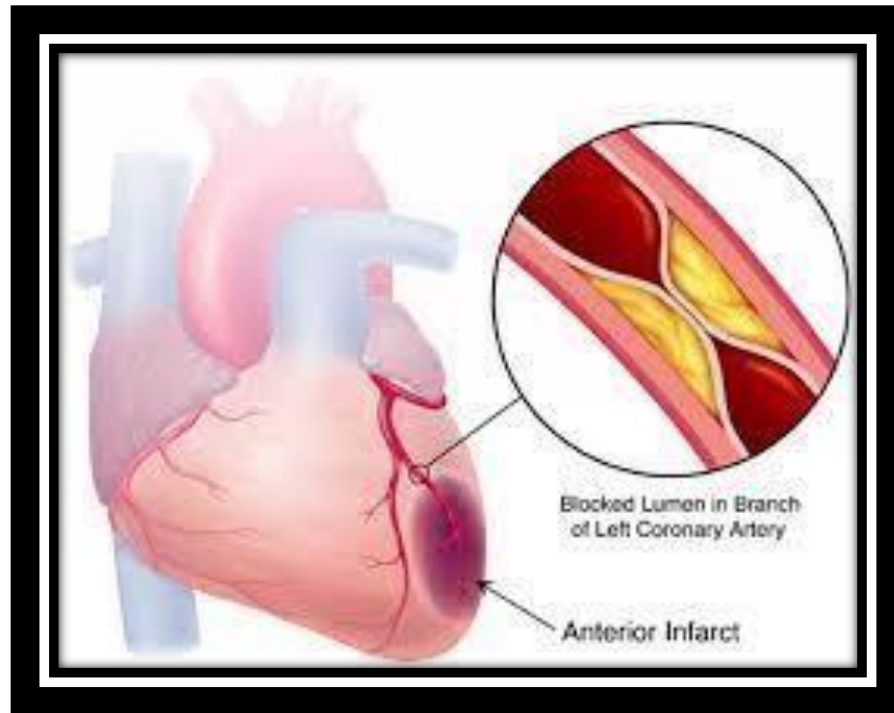
Congenital Heart Diseases :

1 - PFO (Potent Foramen Ovale) : Congenital disease It is a Hole between upper chambers (Atria) : This hole exists in every one before birth , often closed shortly

after birth , but this hole sometimes is failed to close naturally after baby birth .

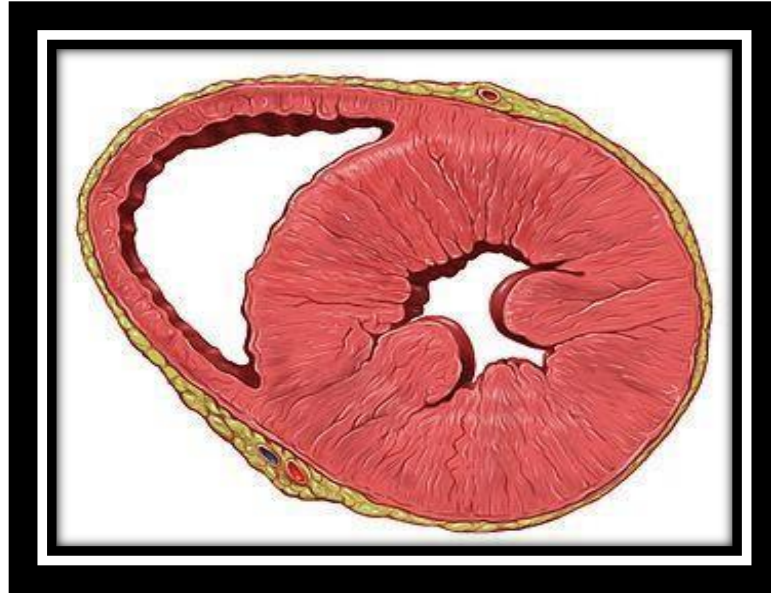
3 – Coronary Thrombosis : blood clot that block blood vessels with thrombus , so coronary artery is obstructed partially or completely and this lead to myocardial damage and cause infarction .

4 – Infarction : It is a necrosis tissue , Wedge in shape due to obstruction of end artery .



Tachycardia : Rapid Heart beat **Bradycardia :** Slow Heart beat **Fibrillation :** vibration of atria

Hypertensive Heart disease : It refers to a changes in the left ventricle, left atrium and coronary arteries as result of chronic blood pressure (High blood pressure) which increase the workload on the heart , induce structural and functional changes
(Hypertrophy in myocardium of left ventricle)



Artriosclerosis and Atherosclerosis :

Hardening of arteries , lose flexibility due to deposition of fat , cholesterol and minerals of calcium in the wall of arteries (peripheral arteries and coronary artery) .

Thrombosis : Is blood clot with in blood vessels that prevent blood flow partially or completely , it occurs in veins and arteries

Arterial thrombus common cause of death depend on its localization . Increase mortality rate when thrombus in heart or brain .

Venous Thrombosis occur mostly in legs and anus region cause a condition called Varicose .

Aneurysm : It is an abnormal swelling or bulge in the wall of blood vessels (artery or veins) , occur in weak spot or area in the wall of artery , more dangerous when present in artery of brain / easy to rupture / .

Phlebitis : Inflammation of veins .

Valvular deformities : Congenital heart valve disease is malformation of heart valves such as missing one leaflet , the most common valve is the bicuspid aortic valve which has only two leaflets rather than three .

pericardium : It is a fibrous sac enclose heart , keeps it stable location and facilitate good movement for heart and separate it from the lung .

Hydropericardium : Increase Quantity of pericardial fluid due to several reasons .

Hemopericardium : It is refer to presence of blood mixed with pericardial fluid

