



C.V.S. 4 Dissected heart :

Gross :

1. Given specimen is of dissected adult human heart normal shape, size, smooth surface, firm without any discoloration or adhesions without any haemorrhages over epicardium or endocardium .
2. All chambers of the heart are opened, coronary arteries are dissected , there are no thrombus formation.
3. Thickness of auricular and ventricular walls appears to be normal .
4. There are no blood clots .
5. Coronaries and other large vessels are patent.

MLI :

1. Heart is dissected by inflow-outflow method using enterotome.
2. Normal thickness of right ventricle is 3-5 mm and that of left ventricle is 15-20 mm . if thickness is more it points towards ventricular wall hypertrophy.
3. Normal thickness of aortic valve is 7.5 cm and pulmonary valve is 8.5 cm . Any change can lead to obstruction of blood flow thereby causing infarction which is most common cause of sudden death due to cardiovascular system.
4. 50 % of total sudden deaths are due to abnormalities of cardiovascular system in which coronary artery disease, angina pectoris, pulmonary embolism are major ones.