



C.V.S. 6 Contusion of heart :

Gross :

1. Given specimen is of human heart which is normal in size and shape with smooth surface.
2. There is presence of **bluish black haemorrhagic contusion over inner surface of heart over right atrium, left atrium and inter atrial septum, it is transmural contusion** seen over localized area of endocardium.
3. There are no blood clots or thrombus formation seen. Valvular thickness is normal.

MLI :

1. This type of contusion is seen in **compression injuries**.
2. It is produced by an impact between the liver and the heart across the right pericardio-phrenic angle. Some injury to the related part of the liver is common.
3. It may cause sudden death several days after the injury. **Cardiac contusions may simulate myocardial infarction**, but are usually haemorrhagic, and transition from normal to haemorrhagic tissue is more abrupt upon microscopic examination.
4. They usually heal completely, but rarely may undergo necrosis with rupture into pericardial sac.