



C.V.S. 9 Myocardial infarction :

Gross :

1. Given specimen is of human heart which is normal in size and shape with smooth surface .
2. There is presence of ***characteristic dark mottling and necrosis over atrioventricular septum, anterior wall suggesting it as anterior wall MI***. There is presence of occlusion in coronary arteries.
3. Surface appears yellowish in color.

MLI :

1. Myocardial infarction is most common cause of sudden death due to cardiovascular system involvement.
2. It suggests death due to prolonged severe ischemia.
3. In case of autopsied hearts various enzymes like lactate dehydrogenase LDH, malate dehydrogenase MDH, succinic dehydrogenase SDH are studied to determine MI, but of various methods ***triphenyl tetrazolium reaction TTC, and acridine orange fluorescence study are considered as most reliable postmortem methods of diagnosing myocardial infarction.***