



C.V.S. 1 Normal heart

Gross :

1. Given specimen is of adult human heart normal shape, size, smooth surface, firm without any discoloration or adhesions .
2. Normal weight : 300 g. (males); 250 g. (females); It is 0.4 to 0.45% body weight. Length 12.5 cm; Width 9 to 10 cm. (at atrioventricular groove).
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. Sudden death can occur due to vasovagal attack, Myocardial infarction, Arrhythmias, Concussion, air embolism
2. Injuries : Rupture to right ventricle can be fatal.
3. Poisons : **aconite** – paralysis of heart
Cerebra odollum (can cause heart failure within 3 hrs of consumption)
Digitalis (cardiac failure and arrhythmias)
Nerium odorum (petechial hemorrhages)
Viper bite (stiffness of heart muscle)
Scorpion bite (arrhythmias and anterior hemiblock)
4. Cardiac abnormalities like ventricular arrhythmias are most common cause of death in electrocution