



### ***C.V.S. 8 Mitral valve prosthesis :***

#### **Gross :**

1. Given specimen is of human heart which is normal in size and shape with smooth surface.
2. There is presence of **prosthesis in mitral valve.**
3. It is **Starr Edwards caged valve type of prosthesis** which **consists of a circular sewing ring and a cage formed by 3 metal arches.**
4. The thickness of interventricular septum is more than normal. There are no haemorrhages or adhesions present on heart surface.

#### **MLI :**

1. Prosthesis help in identification of individual.
2. Valvular lesions of heart if not treated at earliest contribute to causes of sudden death due to cardiovascular abnormalities.
3. Usual cause of valve obstruction is thrombosis or ingrowth of fibrous tissue or valve degeneration.
4. **Complications of these valve prosthesis include paravalvular leak, occluder variance or erosion, structural fracture, pseudoaneurysm, thrombosis, vegetations or tissue overgrowth, infective endocarditis and primary valve regurgitation.**