Heart Valves
Blood Flow in the Heart

- Superior Vena Cava
- Aorta
- Pulmonary Artery
- Pulmonary Vein
- Mitral Valve
- Aortic Valve
- Right Atrium
- Left Atrium
- Right Ventricle
- Left Ventricle
- Inferior Vena Cava
- Pulmonary Valve
- Tricuspid Valve
Cross Section of Heart

(view from the top)
Animation of Heart Valves and Replacement Surgery
Heart Valve Pathologies

↓ valve prolapse

↑ valvulitis

↑ valve stenosis
Fixing Heart Valves

- purely mechanical artificial valve
- animal tissue valve
- artificial valve installed in a less-invasive way
- open heart surgery
Animation of a New Valve Design

The Edwards SAPIEN Transcatheter Heart Valve

Transapical Procedure Using the Ascendra Delivery System