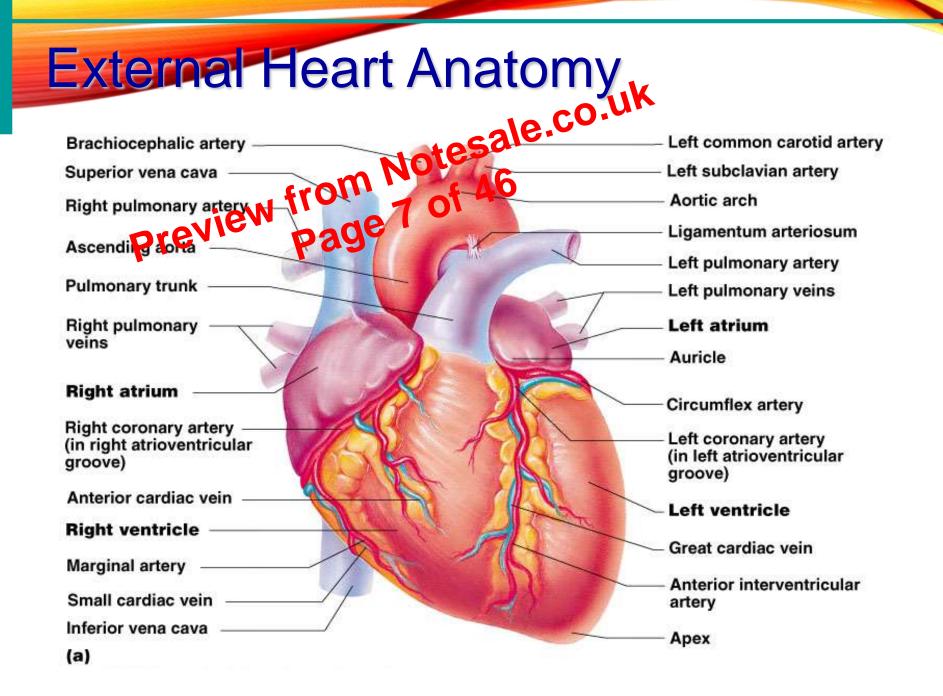
The Heart: Heart Wall

- Three layers
- ayers Epicardiumon Notesale.co.uk Outside Bager This Ict
 - This layer is the parietal pericardium
 - Connective tissue layer
 - Myocardium
 - Middle layer
 - Mostly cardiac muscle
 - Endocardium
 - Inner layer
 - Endothelium



The Heart: Associated Great Vessels • Locaves left gentricle Aorta

- Pulmonary arteries
 - Leave right ventricle
- Vena cava
 - Enters right atrium
- Pulmonary veins (four)
 - Enter left atrium

The Heart: Cardiac Cycle Notesale.co.uk • Atria contract simultaneously

- Atria relax, then ventricles contract
- Systole = contraction
- Diastole = relaxation

The Heart: Regulation of Heart Rate Strokeieoluge asually remains relatively constant

- Starling's law of the heart the more that the cardiac muscle is stretched, the stronger the contraction
- Changing heart rate is the most common way to change cardiac output

Blood Vessels: The Vascular System • Taking blood of the tissues and back

- Arteries
- Arterioles
- Capillaries
- Venules
- Veins

Blood Vessels: Anatomy Three layers (tunics)ale.co.uk Tunic in the 34 of 46

- - Endothelium
 - Tunic media
 - Smooth muscle
 - Controlled by sympathetic nervous system
 - Tunic externa
 - Mostly fibrous connective tissue