

## **Unit Objectives**

Upon completion of this unit, the student will be able to:

- Describe the causes and ECG changes associated with right atrial enlargement (RAE)
- Describe the causes and ECG changes associated with left atrial enlargement (LAE)
- Describe the causes and ECG changes associated with right ventricular hypertrophy (RVH)
- Describe the causes and ECG changes associated with left ventricular hypertrophy (LVH)

EMC 451 Hypertrophy

Typertrophy 2

## **Cardiac Enlargement**

- Dilation
  - Heart muscle is stretched and chamber becomes enlarged.
  - Example: CHF caused by acute aortic regurgitation dilates the left ventricle

## · Hypertrophy

- Heart muscle fibers increase in size, with resultant enlargement of the chamber.
- Example: aortic stenosis obstructs the outflow of blood from the left ventricle, leading to left ventricular hypertrophy.

EMC 451 Hypertrophy

























