Outline
Cardio System and American Health
1. Diastolic heart failure
2. Systolic heart failure
3. Right vs left failure
4. Signs of heart failure
5. Treatments

Heart Failure

1. Diastolic heart failure:

![Diastolic Heart Failure Diagram]

- **Diastole (filling):**
  - The ventricles fill normally with blood.
- **Systole (pumping):**
  - The ventricles pump out about 60% of the blood.
- **Diastolic Dysfunction:**
  - The stiff ventricles fill with less blood than normal.
  - The ventricles pump out about 60% of the blood, but the amount may be lower than normal.
2. Systolic heart failure

Effects of left ventricular diastolic failure caused by decreased ventricular compliance (e.g., hypertrophy) on left ventricular pressure-volume loop. Heart rate, inotropy and systemic vascular resistance are unchanged.
3. Right vs. Left Failure

Figure 2. Effects of acute left ventricular failure (loss of inotropy) on left ventricular pressure-volume loop. Heart rate unchanged.
4. Signs of heart failure

5. Treatment