Outline

1. Cardiac Cycle: Pressure-Volume Loop
2. Wiggers Diagram: Volumes and Pressures

1. The cardiac cycle: Pressure-Volume loop
   Overview and the cardiac cycle
Valves and Volumes on the Loop

The Loop changes with valve disease

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2. Cardiac cycle: volumes and pressures
Practice questions for the Wiggers diagram:

1. During what stage/s of the cardiac cycle is atrial pressure higher than ventricular pressure?

2. How full is the ventricle before atrial systole?

3. During what stage is ventricular volume highest?

4. During what stage is ventricular pressure dropping sharply?

5. Describe where blood is flowing at point A.

6. Does label C or label A best describe the S1 heart sound?