

### Homework Assignment - Module 7

1. [20 points] As blood moves through the heart, what is the last valve it passes through before it goes to the lungs?
2. [20 points] What would be the effect on the Wiggers diagram for the left heart of a reduction in effective cross-sectional area of the aortic valve by a factor of 5 (this sort of reduction in cross-sectional area is referred to as aortic stenosis)? Explain/discuss briefly.
3. [20 points] What would be the effect(s) on a left ventricular pressure-volume loop of an increased afterload, assuming preload and ventricular contractility remain the same? Explain/discuss briefly.