


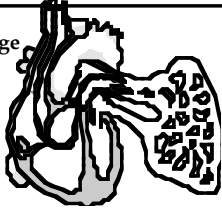
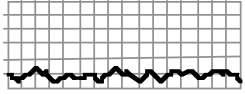
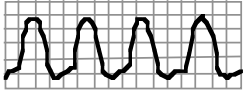
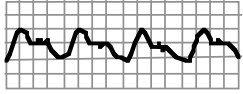
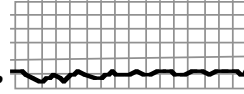


| | Right atrial pressure  | Right ventricular pressure  | Pulmonary artery pressure  | Pulmonary capillary wedge (or occlusion) pressure  |
|-----------------------|---|---|---|--|
| | RAP  | RVP  | PAP  | PCWP  |
| Normal values: | 0 - 6 mm Hg (or 0 - 8 cm H2O) | 15 - 25 mm Hg 0 - 8 | 15 - 25 mm Hg 8 - 15 | MPAP = 10 - 20 6 - 12 mm Hg |
| Causes of ↓: | Hypovolemia Venodilation | Hypovolemia Venodilation | Hypovolemia Venodilation | Hypovolemia Venodilation |
| Causes of ↑: | Hypervolemia Impedance to RA emptying: Tricuspid stenosis RV ischemia, infarct, failure ↑ PVR (due to ↓PaO ₂ , PE, COPD, ARDS, pulmonary hypertension) Mitral stenosis/regurg Aortic stenosis LV ischemia, infarct, failure Pericardial tamponade ↑ Intrapleural pressure due to: PEEP, auto PEEP Tension pneumothorax Intra-abdominal pressure > 15 | Hypervolemia RV ischemia, infarct, failure Impedance to RV emptying: ↑ PVR (due to ↓PaO ₂ , PE, COPD, ARDS, pulmonary hypertension) Mitral stenosis/regurg Aortic stenosis LV ischemia, infarct, failure Pericardial tamponade ↑ Intrapleural pressure due to: PEEP, auto PEEP Tension pneumothorax Intra-abdominal pressure > 15 Left-to-right intracardiac shunt | Hypervolemia Impedance to pulmonary blood flow: ↑ PVR (due to ↓PaO ₂ , PE, COPD, ARDS, pulmonary hypertension) Mitral stenosis/regurg Aortic stenosis LV ischemia, infarct, failure Pericardial tamponade ↑ Intrapleural pressure due to: PEEP, auto PEEP Tension pneumothorax Intra-abdominal pressure > 15 | Hypervolemia Impedance to LA emptying: Mitral stenosis/regurg Aortic stenosis LV ischemia, infarct, failure Pericardial tamponade ↑ Intrapleural pressure due to: PEEP, auto PEEP Tension pneumothorax Intra-abdominal hypertension Severe ventricular septal defect |

PA Pressures & Waveforms