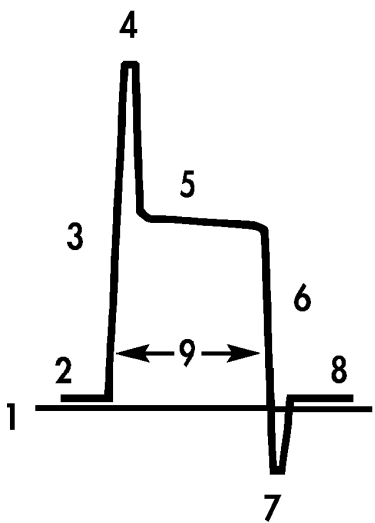
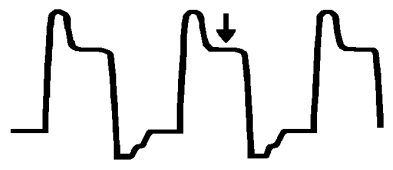


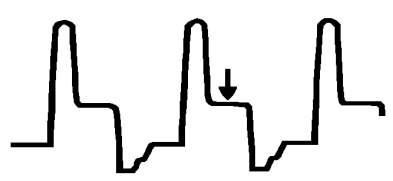
# NORMAL BALLOON WAVEFORM



1. Zero Baseline
2. Balloon Pressure Baseline
3. Rapid Inflation
4. Peak Inflation Artifact
5. Plateau Pressure
6. Rapid Deflation
7. Deflation Artifact
8. Return to baseline
9. Duration of Balloon Cycle

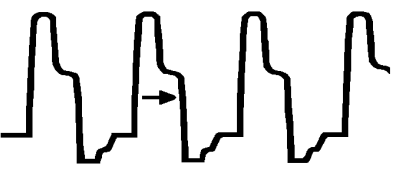


**Hypertensive**

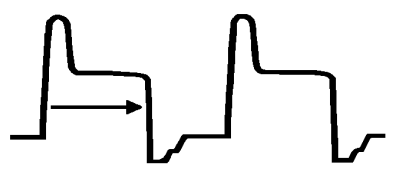


**Hypotensive**

Height or amplitude is dependent on blood pressure.



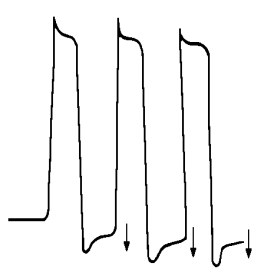
**Tachycardia**



**Bradycardia**

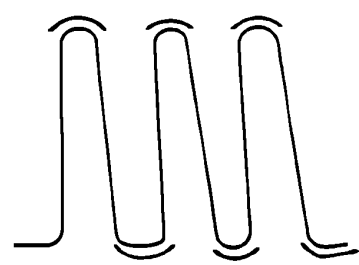
Duration of plateau is dependent on heart rate.

## GAS LOSS



Leak in the closed system, causing the balloon pressure waveform to fall below zero baseline. This may be due to a loose connection, a leak in the IAB catheter, H<sub>2</sub>O condensation in the external tubing, or a patient who is tachycardic and febrile, which causes increased gas diffusion through the IAB membrane.

## CATHETER KINK



Rounded balloon pressure waveform, loss of plateau resulting from a kink or obstruction of shuttle gas. This may be caused by improper catheter position, sheath not being pulled back to allow inflation of the IAB, the IAB is too large for the aorta, the IAB is not fully unwrapped, or H<sub>2</sub>O condensation is in the external tubing.