Clinical Monitoring Basics
What does the monitor show?
Take it from the top!

**ECG LEAD**

You can see that we are currently viewing Lead III. The tracing across the top is the current heart rhythm. The 72 at top right is the current heart rate.
Other Vital Signs

If using a non invasive blood pressure device the results will display at right as BP and MAP. The number that displays is the latest BP that was taken and not always the current BP.
To obtain a BP

This button will initiate a new NIBP
Other Vital Signs

You can see that we have an arterial catheter in place. This tracing shows the arterial blood flow waveform. The numbers at right are BP, HR and MAP.
Optional Tracings

If the patient has an invasive monitoring catheter you can view the Pulmonary artery Pressure.
If the patient has a central line you can also view the Central Venous Pressure (CVP).
If attached you may see an expired Carbon Dioxide level and waveform here. This is usually for intubated patients. If monitoring CO2, you will see and accurate respiratory rate displayed as well.
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Other Numbers

Temperature will display if a temperature probe is attached.
Pulse Oximetry will display if there is a pulse oximeter probe attached. This usually has a heart rate display as well. Correlation of the heart rate gives the clinician a baseline for trusting the SPO2 number.
Review the Numbers

- NIBP
- PA Pressure
- End Tidal CO2
- Heart Rate
- Art Line
- CVP
- TEMP
- SPO2
Throughout the clinical education process you will become more familiar with the controls and displays of the different monitors you will encounter.