

# Mark Klimek Lecture Notes

## LECTURE 1: Acid Base Balance & Ventilator

### Interpreting blood gases

(remember the rules of the B's)

- If the **pH** and the **bicarb** are **both** in the same direction then it's **metaBolic** (**Bicarb Both Bolic**), if they are in different directions then it is respiratory
- If bicarb is normal and the pH is low or high then its respiratory
- You will be given 8 values for arterial blood gas, always first look at the pH and the bicarb first
- You get acidosis and alkalosis from the pH

### LABS: ABG's

The normal pH is 7.35-7.45

The normal **bicarb** is 22-26 (the bicarb years where you make all the decisions [22-26 years old], or 2+2+2=6)

The normal CO<sub>2</sub> is 35-45 (same as pH)

### Signs and Symptoms with ABG's

- As the pH goes up so does my patient
  - If the pH goes up, every system in your body gets more irritable/hyperexcitable
- As the pH goes down so does my patient
  - If the pH goes down, systems in your body shut down

# Audio Lecture And Study Guide

**S Ashworth**



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