

Sydney H.

DUE NEXT WEEK

## N441 Week 5: ABG Practice Problems

1. A patient in the CCU has an arterial blood gas showing a pH of 7.2, PaCO<sub>2</sub> of 49, and HCO<sub>3</sub> of 24. Which acid-base imbalance is this patient experiencing?

*Respiratory acidosis uncompensated*

2. You are caring for a patient with an arterial blood gas showing a pH of 7.47, PaCO<sub>2</sub> of 36, and HCO<sub>3</sub> of 27. Which acid-base imbalance is this patient experiencing?

*Metabolic Alkalosis uncompensated*

3. A patient in the ED has an arterial blood gas showing a pH of 7.40, PaCO<sub>2</sub> of 37, and HCO<sub>3</sub> of 24. Which acid-base imbalance is this patient experiencing?

*None, this is a normal finding*

4. A patient in the ED has an arterial blood gas showing a pH of 7.22, PaCO<sub>2</sub> of 37, and HCO<sub>3</sub> of 21. Which acid-base imbalance is this patient experiencing?

*Metabolic Acidosis uncompensated*

5. A patient in the CCU has an arterial blood gas showing a pH of 7.5, PaCO<sub>2</sub> of 33, and HCO<sub>3</sub> of 25. Which acid-base imbalance is this patient experiencing?

*Respiratory Alkalosis uncompensated*