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# ABG Practice 1

1. PH = 7.38 = ↓ = acidosis
PaCO2 = 30 = ↓ = metabolic
HCO3 = 10 = ↓ = fully
O2 = 60 = moderate
interpretation = metabolic acidosis, fully compensated moderate hypoxemia

2. pH = 7.60 = ↑ = Alk
PaCO2 = 25 ↓ = resp
HCO3 = 24 = uncomp
O2 = 72 = mild
= Respiratory Alkalosis uncompensated, mild hypoxemia

3. PH = 7.37 = ↓ N = acid
PaCO2 = 59 = ↑ = resp
HCO3 = 34 = ↑ = full
O2 = 82 = normal
Respiratory Acidosis Fully compensated normal oxygenation

4. PH = 7.56 = ↑ Alkalosis
PaCO2 = 40 = uncompensated
HCO3 = 38 = ↑ = Metabolic
O2 = 59 = severe
Metabolic Alkalosis, uncompensated, severe hypoxemia

5. PH = 7.34 = ↓ Acid
PaCO2 = 50 = ↑ = Resp
HCO3 = 31 = ↑ = partial
O2 = 65 = moderate
Respiratory Acidosis, partial compensation, moderate hypoxemia

6. pH = 7.15 = ↓ = acid
PaCO2 = 49 = ↑ = resp
HCO3 = 25 = in range = uncomp
O2 = 74 = mild
Respiratory Acidosis, uncompensated mild hypoxemia

7. pH = 7.20 = ↓ acid
PaCO2 = 30 = ↓ metabolic
HCO3 = 18 = ↓ = partial
O2 = 55 = severe
Metabolic Acidosis, partial compensation, severe hypoxemia

8. pH = 7.54 = ↑ alk
PCO2 = 44 = norm = uncomp
HCO3 = 36 = ↑ = metabolic
O2 = 64 = moderate
Metabolic Alkalosis, uncompensated moderate hypoxemia