

ABG Chart

PATIENT INFORMATION

Name: _____ Age: _____

Gender: _____ Date: _____ dd / mm / yyyy

Referring Physician's Name and Signature

ABG RESULTS

pH: (Normal Range: 7.35-7.45): _____ PaCO₂: mmHg (Normal Range: 35-45 mmHg): _____PaO₂: mmHg (Normal Range: 80-100 mmHg): _____HCO₃⁻: mEq/L (Normal Range: 22-26 mEq/L):SaO₂: % (Normal Range: 95-99%): _____

INTERPRETATION

Assess pH: Acidosis: pH < 7.35 Alkalosis: pH > 7.45

Assess PaCO₂ and HCO₃⁻: Respiratory Acidosis: ↓pH, ↑PaCO₂, Normal HCO₃⁻ Respiratory Alkalosis: ↑pH, ↓PaCO₂, Normal HCO₃⁻ Metabolic Acidosis: ↓pH, Normal PaCO₂, ↓HCO₃⁻ Metabolic Alkalosis: ↑pH, Normal PaCO₂, ↑HCO₃⁻Evaluate Compensation: Partially Compensated: All three values (pH, PaCO₂, HCO₃⁻) are abnormal Fully Compensated: Normal pH with abnormal PaCO₂ and HCO₃⁻Assess Oxygenation: Hypoxemia: PaO₂ < 80 mmHg Normoxemia: PaO₂ between 80-100 mmHg Hyperoxemia: PaO₂ > 100 mmHgAssess Ventilation: Hypoventilation: ↑PaCO₂ Normal Ventilation: PaCO₂ within normal range Hyperventilation: ↓PaCO₂

Interpretation Summary:

Notes: