

Instructional Module 7: ABG Practice 1

Student Name: Alexis Garcia

pH: 7.35-7.45
 PaCO₂: 35-45
 HCO₃⁻: 22-26

pO₂: 80-100
 mild 70-79
 mod. 60-69
 severe <60

Date: 8/18/25

1	2	3
pH 7.38 ✓ (close ↓)	pH 7.60 ↑ Alka	pH 7.37 ✓ (close ↓)
PaCO ₂ 30mmHg ↓ alka	PaCO ₂ 25mmHg ↓ Resp	PaCO ₂ 59 mmHg ↑
HCO ₃ 10mEq/L ↓ acid	HCO ₃ 24mEq/L ✓	HCO ₃ 34mEq/L ↑
pO ₂ 60 mod.	pO ₂ 72 mild	pO ₂ 82 norm
Interpretation:	Interpretation:	Interpretation:
Metabolic Acidosis	Respiratory Alkalosis	Respiratory Acidosis
Fully compensated	Uncompensated	Fully Compensated
Moderate hypoxemia	mild hypoxemia	No hypoxemia

4	5	6
pH 7.56 ↑ Alka	pH 7.34 ↓ Acid	pH 7.15 ↓ Acid
PaCO ₂ 40mmHg ✓	PaCO ₂ 50mmHg ↑	PaCO ₂ 49 mmHg ↑
HCO ₃ 38mEq/L ↑	HCO ₃ 31mEq/L ↑	HCO ₃ 25mEq/L ✓
pO ₂ 59 severe	pO ₂ 65 mod.	pO ₂ 74 mild
Interpretation:	Interpretation:	Interpretation:
Metabolic Alkalosis	Respiratory Acidosis	Respiratory Acidosis
Uncompensated	Partially compensated	Uncompensated
Severe hypoxemia	Moderate hypoxemia	mild hypoxemia

7	8	9
pH 7.20 ↓ Acid	pH 7.54 ↑ Alka	pH 7.42 ✓
PaCO ₂ 30 mmHg ↓	PaCO ₂ 44mmHg ✓	PaCO ₂ 38mmHg ✓
HCO ₃ 18mEq/L ↓	HCO ₃ 36mEq/L ↑	HCO ₃ 25.3mEq/L ✓
pO ₂ 55 severe	pO ₂ 64 mod.	pO ₂ 92 norm
Interpretation:	Interpretation:	Interpretation:
Metabolic Acidosis	Metabolic Alkalosis	Normal ABG
Partially Compensated	Uncompensated	No hypoxemia
Severe hypoxemia	Moderate hypoxemia	

10	11	12
pH 7.31 ↓ Acid	pH 7.27 ↓ Acid	pH 7.55 ↑ Alka
PaCO ₂ 33mmHg ↓	PaCO ₂ 35mmHg ✓	PaCO ₂ 34mmHg ↓
HCO ₃ 16mEq/L ↓	HCO ₃ 10mEq/L ↓	HCO ₃ 16.8mEq/L ↓
pO ₂ 68 mod.	pO ₂ 78 mild	pO ₂ 91 norm
Interpretation:	Interpretation:	Interpretation:
Metabolic Acidosis	Metabolic Acidosis	Respiratory Alkalosis
Partially Compensated	Uncompensated	partially compensated
Moderate hypoxemia	mild hypoxemia	No hypoxemia