

Meagan Britt

Instructional Module 7: ABG Practice 1

Student Name: Britt M ABC1 pH: 7.35 - 7.45
 PaCO₂: 35 - 45
 HCO₃: 22 - 26

Date: _____

1 ✓	2 ✓	3 ✓
pH 7.38 ↓ (W)	pH 7.60 ↑	pH 7.37 ↓ (W)
PaCO ₂ 30mmHg ↓	PaCO ₂ 25mmHg ↓	PaCO ₂ 59 mmHg ↑
HCO ₃ 10mEq/L ↓	HCO ₃ 24mEq/L (N)	HCO ₃ 34mEq/L ↑
pO ₂ 60 moderate	pO ₂ 72 mild	pO ₂ 82 (W)
Interpretation: fully compensated metabolic acidosis moderate hypoxemia	Interpretation: uncompensated respiratory alkalosis mild hypoxemia	Interpretation: fully compensated respiratory acidosis normal O ₂ sat

4 ✓	5 ✓	6 ✓
pH 7.56 ↑	pH 7.34 ↓	pH 7.15 ↓
PaCO ₂ 40mmHg (W)	PaCO ₂ 50mmHg ↑	PaCO ₂ 49 mmHg ↑
HCO ₃ 38mEq/L ↑	HCO ₃ 31mEq/L ↑	HCO ₃ 25mEq/L (W)
pO ₂ 59 severe	pO ₂ 65 moderate	pO ₂ 74 mild
Interpretation: uncompensated metabolic alkalosis severe hypoxemia	Interpretation: partial compensation respiratory acidosis moderate hypoxem	Interpretation: uncompensated respiratory acidosis mild hypoxemia

7 ✓	8 ✓	9
pH 7.20 ↓	pH 7.54 ↑	pH 7.42 ↑ (N)
PaCO ₂ 30 mmHg ↓	PaCO ₂ 44mmHg (W) ↑	PaCO ₂ 38mmHg (N) ↓
HCO ₃ 18mEq/L ↓	HCO ₃ 36mEq/L ↑	HCO ₃ 25.3mEq/L (N)
pO ₂ 55 severe	pO ₂ 64 moderate	pO ₂ 92 (W)
Interpretation: partial compensation metabolic acidosis severe hypoxemia	Interpretation: uncompensated metabolic alkalosis moderate hypoxic	Interpretation: respiratory alkalosis normal O ₂ sat

Normal ABC1

10 ✓	11 ✓	12 ↓
pH 7.31 ↓	pH 7.27 ↓	pH 7.55 ↑
PaCO ₂ 33mmHg ↓	PaCO ₂ 35mmHg (W) ↓	PaCO ₂ 34mmHg ↓
HCO ₃ 16mEq/L ↓	HCO ₃ 10mEq/L ↓	HCO ₃ 16.8mEq/L ↓
pO ₂ 68 moderate	pO ₂ 78 mild	pO ₂ 91 (W)
Interpretation: partial compensation metabolic acidosis moderate hypoxic	Interpretation: uncompensated metabolic acidosis mild hypoxemia	Interpretation: partial compensation respiratory alkalosis normal O ₂ sat