

Instructional Module 7: ABG Practice 1

Student Name: _____

Date: _____

1	2	3
pH 7.38 ↓	pH 7.60 ↑	pH 7.37 ↓ (N)
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 Severe	pO ₂ 72	pO ₂ 82
Interpretation:	Interpretation:	Interpretation:
fully compensated metabolic Acidosis w/ Moderate hypoxemia	uncompensated Respiratory Alkalosis w/ mild hypoxemia	fully Compensated Respiratory acidosis w/ Normal O ₂

4	5	6
pH 7.56 ↑	pH 7.34 ↓	pH 7.15 ↓
PaCO ₂ 40mmHg N	PaCO ₂ 50mmHg ↑	PaCO ₂ 49 mmHg ↑
HCO ₃ 38mEq/L ↑	HCO ₃ 31mEq/L ↑	HCO ₃ 25mEq/L (N)
pO ₂ 59	pO ₂ 65	pO ₂ 74
Interpretation:	Interpretation:	Interpretation:
uncompensated metabolic Alkalosis w/ Severe hypoxemia	Partially Compensated Respiratory acidosis w/ moderate hypoxemia	uncompensated Respiratory acidosis w/ mild hypoxemia

7	8	9
pH 7.20 ↓	pH 7.54 ↑	pH 7.42 N (↑)
PaCO ₂ 30 mmHg ↓	PaCO ₂ 44mmHg N ↑	PaCO ₂ 38mmHg (N)
HCO ₃ 18mEq/L ↓	HCO ₃ 36mEq/L ↑	HCO ₃ 25.3mEq/L (N)
pO ₂ 55	pO ₂ 64	pO ₂ 92
Interpretation:	Interpretation:	Interpretation:
Partially compensated metabolic acidosis w/ Severe hypoxemia	uncompensated metabolic Alkalosis w/ moderate hypoxemia	Normal

10	11	12
pH 7.31 ↓	pH 7.27 ↓	pH 7.55 ↑
PaCO ₂ 33mmHg ↓	PaCO ₂ 35mmHg N	PaCO ₂ 34mmHg ↓
HCO ₃ 16mEq/L ↓	HCO ₃ 10mEq/L ↓	HCO ₃ 16.8mEq/L ↓
pO ₂ 68	pO ₂ 78	pO ₂ 91
Interpretation:	Interpretation:	Interpretation:
Partially compensated Metabolic Acidosis w/ moderate Hypoxemia	uncompensated metabolic acidosis w/ mild hypoxemia	Partially Compensated Respiratory Alkalosis w/ Normal O ₂