Instructional Module 7: ABG Practice 1

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1	2	3
pH (N) 7.38 ↓ acidosis	pH ↑ 7.60 alkalosis	pH (N) 7.37 acidosis
PaCO2 ↓ 30mmHg ↓	PaCO2 ↓ 25mmHg	PaCO2 ↑ 59 mmHg
HCO3 ↓ 10mEq/L metabolic	HCO3 24mEq/L (N)	HCO3 ↑ 34mEq/L
pO2 60 moderate	pO2 72	pO2 82
Interpretation:	**Interpretation:**	**Interpretation:**
metabolic acidosis	respiratory alkalosis	respiratory acidosis
fully compensated	uncompensated	fully compensated
moderate hypoxemia	mild hypoxemia	normal oxygenation

4	5	6
pH 7.56 ↑ alkalosis	pH ↓ 7.34	pH ↓ 7.15
PaCO2 40mmHg (N)	PaCO2 ↑ 50mmHg	PaCO2 ↑ 49 mmHg
HCO3 38mEq/L ↑	HCO3 ↑ 31mEq/L	HCO3 ↘ 25mEq/L
pO2 59	pO2 65	pO2 74
Interpretation:	**Interpretation:**	**Interpretation:**
metabolic alkalosis	Respiratory Acidosis	Respiratory Acidosis
uncompesated	Partial Compesated	Uncompensated
severe hypoxemia	Moderate Hypoxemia	Mild Hypoxemia

7	8	9
pH 7.20 ↓ acidosis	pH 7.54 ↑ alka	pH 7.42 ↑ acidosis (N)
PaCO2 30 mmHg ↓	PaCO2 44mmHg N	PaCO2 38mmHg N
HCO3 18mEq/L ↓ meta	HCO3 36mEq/L ↑ meta	HCO3 25.3mEq/L N
pO2 55	pO2 64	pO2 92
Interpretation:	**Interpretation:**	**Interpretation:**
metabolic acidosis	metabolic alkalosis	normal ABG
partial compesated	uncompesated	normal
severe hypoxemia	moderate hypoxemia	normal oxygenation

10	11	12
pH 7.31 ↓ acid	pH 7.27 ↓ acid	pH 7.55 ↑
PaCO2 33mmHg ↓	PaCO2 35mmHg N	PaCO2 34mmHg ↓
HCO3 16mEq/L ↓	HCO3 10mEq/L ↓	HCO3 16.8mEq/L
pO2 68	pO2 78	pO2 91
Interpretation:	**Interpretation:**	**Interpretation:**
metabolic acidosis	metabolic acidosis	respiratory alkalosis
partial compesated	uncompesated	partial compesited
moderate hypoxemia	mild hypoxemia	normal oxygenation