

## Instructional Module 7: ABG Practice 1

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1		2		3	
pH	7.38 A	pH	7.60 B	pH	7.37 A
PaCO <sub>2</sub>	30mmHg B	PaCO <sub>2</sub>	25mmHg B	PaCO <sub>2</sub>	59 mmHg A
HCO <sub>3</sub>	10mEq/L A	HCO <sub>3</sub>	24mEq/L N	HCO <sub>3</sub>	34mEq/L B
pO <sub>2</sub>	60	pO <sub>2</sub>	72	pO <sub>2</sub>	82
<b>Interpretation:</b>		<b>Interpretation:</b>		<b>Interpretation:</b>	
Metabolic acidosis		Respiratory alkalosis		Respiratory acidosis	
fully compensated		Uncompensated		Fully compensated	
Moderate hypoxemia		Mild hypoxemia		Normal oxygenation	

4		5		6	
pH	7.56 B	pH	7.34 A	pH	7.15 A
PaCO <sub>2</sub>	40mmHg N	PaCO <sub>2</sub>	50mmHg A	PaCO <sub>2</sub>	49 mmHg A
HCO <sub>3</sub>	38mEq/L B	HCO <sub>3</sub>	31mEq/L B	HCO <sub>3</sub>	25mEq/L N
pO <sub>2</sub>	59	pO <sub>2</sub>	65	pO <sub>2</sub>	74
<b>Interpretation:</b>		<b>Interpretation:</b>		<b>Interpretation:</b>	
Metabolic alkalosis		Respiratory acidosis		Respiratory acidosis	
Uncompensated		Partially compensated		Uncompensated	
Severe hypoxemia		Moderate hypoxemia		Mild hypoxemia	

7		8		9	
pH	7.20 A	pH	7.54 B	pH	7.42 B
PaCO <sub>2</sub>	30 mmHg B	PaCO <sub>2</sub>	44mmHg N	PaCO <sub>2</sub>	38mmHg B
HCO <sub>3</sub>	18mEq/L A	HCO <sub>3</sub>	36mEq/L B	HCO <sub>3</sub>	25.3mEq/L B
pO <sub>2</sub>	55	pO <sub>2</sub>	64	pO <sub>2</sub>	92
<b>Interpretation:</b>		<b>Interpretation:</b>		<b>Interpretation:</b>	
Metabolic acidosis		Metabolic Alkalosis		Mixed	
Partially compensated		Uncompensated			
Severe hypoxemia		Moderate hypoxemia		Normal oxygenation	

10		11		12	
pH	7.31 A	pH	7.27 A	pH	7.55 B
PaCO <sub>2</sub>	33mmHg B	PaCO <sub>2</sub>	35mmHg N	PaCO <sub>2</sub>	34mmHg B
HCO <sub>3</sub>	16mEq/L A	HCO <sub>3</sub>	10mEq/L A	HCO <sub>3</sub>	16.8mEq/L A
pO <sub>2</sub>	68	pO <sub>2</sub>	78	pO <sub>2</sub>	91
<b>Interpretation:</b>		<b>Interpretation:</b>		<b>Interpretation:</b>	
Metabolic acidosis		Metabolic acidosis		Respiratory alkalosis	
Partially compensated		Uncompensated		Partially compensated	
Moderate hypoxemia		Mild hypoxemia		Normal oxygenation	