

## Instructional Module 7: ABG Practice 1

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1	2	3
pH 7.38	pH 7.60	pH 7.37
PaCO <sub>2</sub> 30mmHg	PaCO <sub>2</sub> 25mmHg	PaCO <sub>2</sub> 59 mmHg
HCO <sub>3</sub> 10mEq/L	HCO <sub>3</sub> 24mEq/L	HCO <sub>3</sub> 34mEq/L
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 with	Respiratory Alkalosis with	Respiratory acidosis with
full compensation	no compensation	full compensation
Moderate hypoxemia	Mild hypoxemia	Normal oxygenation

4	5	6
pH 7.56	pH 7.34	pH 7.15
PaCO <sub>2</sub> 40mmHg	PaCO <sub>2</sub> 50mmHg	PaCO <sub>2</sub> 49 mmHg
HCO <sub>3</sub> 38mEq/L	HCO <sub>3</sub> 31mEq/L	HCO <sub>3</sub> 25mEq/L
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 with	Respiratory acidosis with	Respiratory Acidosis with
no compensation	partial compensation	no compensation
Severe hypoxemia	Moderate hypoxemia	Mild hypoxemia

7	8	9
pH 7.20	pH 7.54	pH 7.42
PaCO <sub>2</sub> 30 mmHg	PaCO <sub>2</sub> 44mmHg	PaCO <sub>2</sub> 38mmHg
HCO <sub>3</sub> 18mEq/L	HCO <sub>3</sub> 36mEq/L	HCO <sub>3</sub> 25.3mEq/L
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 with	Metabolic Alkalosis with	Normal pH
partial compensation	no compensation	Normal oxygenation
Severe hypoxemia	Moderate hypoxemia	

10	11	12
pH 7.31	pH 7.27	pH 7.55
PaCO <sub>2</sub> 33mmHg	PaCO <sub>2</sub> 35mmHg	PaCO <sub>2</sub> 34mmHg
HCO <sub>3</sub> 16mEq/L	HCO <sub>3</sub> 10mEq/L	HCO <sub>3</sub> 16.8mEq/L
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 with	Metabolic Acidosis with	Respiratory Alkalosis with
partial compensation	no compensation	partial compensation
Moderate hypoxemia	Mild hypoxemia	Normal oxygenation