

Module 7: ABG Practice

Submit your answers in **paper form** before the start of the class.

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ABG Interpretation Practice worksheet (12 items)

1		2		3	
pH	7.38	pH	7.60	pH	7.37
PaCO ₂	30mmHg	PaCO ₂	25mmHg	PaCO ₂	59 mmHg
HCO ₃	10mEq/L	HCO ₃	24mEq/L	HCO ₃	34mEq/L
pO ₂	60	pO ₂	72	pO ₂	82
Interpretation:		Interpretation:		Interpretation:	
Fully compensated Metabolic Acidosis with Moderate Hypoxemia		Respiratory Alkalosis with Mild Hypoxemia		Fully Compensated Respiratory Acidosis with Normal Oxygenation	

4		5		6	
pH	7.56	pH	7.34	pH	7.15
PaCO ₂	40mmHg	PaCO ₂	50mmHg	PaCO ₂	49 mmHg
HCO ₃	38mEq/L	HCO ₃	31mEq/L	HCO ₃	25mEq/L
pO ₂	59	pO ₂	65	pO ₂	74
Interpretation:		Interpretation:		Interpretation:	
Metabolic Alkalosis with Severe Hypoxemia		Partially Compensated Respiratory Acidosis with Moderate Hypoxemia		Respiratory Acidosis with Mild Hypoxemia	

7		8		9	
pH	7.20	pH	7.54	pH	7.42
PaCO ₂	30 mmHg	PaCO ₂	44mmHg	PaCO ₂	38mmHg
HCO ₃	18mEq/L	HCO ₃	36mEq/L	HCO ₃	25.3mEq/L
pO ₂	55	pO ₂	64	pO ₂	92
Interpretation:		Interpretation:		Interpretation:	
Partially Compensated Metabolic Acidosis with Severe Hypoxemia		Fully Compensated Metabolic Alkalosis with Moderate Hypoxemia		Normal ABG.	

10		11		12	
pH	7.31	pH	7.27	pH	7.55
PaCO2	33mmHg	PaCO2	35mmHg	PaCO2	34mmHg
HCO3	16mEq/L	HCO3	10mEq/L	HCO3	16.8mEq/L
pO2	68	pO2	78	pO2	91
Interpretation:		Interpretation:		Interpretation:	
Partially Compensated Metabolic Acidosis with Moderate Hypoxemia		Metabolic Acidosis with Mild Hypoxemia		Partially Compensated Respiratory Alkalosis with Normal Oxygenation	