

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		Respiratory Alkalosis with no compensation		Fully Compensated Respiratory Acidosis	
With		With		With	
Severe Hypoxia		Mild Hypoxia		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 Acidosis with no compensation		Partial Compensated Respiratory acidosis		Respiratory acidosis With no compensation	
With		With		With	
Severe hypoxia		Moderate hypoxia		Mild hypoxia	

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		Metabolic alkalosis With no compensation		All labs are within normal parameters	
With		With			
Severe Hypoxia		Moderate hypoxia			

10		11		12	
pH	7.31	pH	7.27	pH	7.55
PaCO ₂	33mmHg	PaCO ₂	35mmHg	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		Metabolic acidosis with No compensation		Partially Compensated Respiratory Alkalosis	

With	With	With
Moderate Hypoxemia	Mild hypoxemia	Normal Oxygenation