

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 - n	pH	7.60 - alka	pH	7.37 n
PaCO ₂	30mmHg alka	PaCO ₂	25mmHg - alka	PaCO ₂	59 mmHg acid
HCO ₃	10mEq/L acid	HCO ₃	24mEq/L norm	HCO ₃	34mEq/L acid
pO ₂	60 acid	pO ₂	72	pO ₂	82
Interpretation:		Interpretation:		Interpretation:	
Full compensation		Respir alkalosis		Full compensated	
Metabolic acidosis		w/ mild hypoxemia		Resp acidosis	
Moderate hypoxemia		No compensation			

4		5		6	
pH	7.56alk	pH	7.34 acid	pH	7.15 ACID
PaCO ₂	40mmHg NOR	PaCO ₂	50mmHg acid	PaCO ₂	49 mmHg ACID
HCO ₃	38mEq/L	HCO ₃	31mEq/Lalk	HCO ₃	25mEq/L NOR
pO ₂	59	pO ₂	65	pO ₂	74
Interpretation:		Interpretation:		Interpretation:	
Metabolic alkalosis		RESP ACIDOSIS		RESP ACIDOSIS	
W severe hypoxemia		MILD HYPOXEMIA		W MILD HYPOXEMIA	
Non comp		PARTIAL COMP		NONE COMPENSATED	

7		8		9	
pH	7.20 AC	pH	7.54 ALK	pH	7.42
PaCO ₂	30 mmHg ALK	PaCO ₂	44mmHg NOR	PaCO ₂	38mmHg
HCO ₃	18mEq/L ACID	HCO ₃	36mEq/L ALK	HCO ₃	25.3mEq/L
pO ₂	55	pO ₂	64	pO ₂	92
Interpretation:		Interpretation:		Interpretation:	
METABOLIC ACIDOSIS		METABOLIC ALKALOSIS		NORMAL	
PARTIAL COMP		NO COMPENSATION			
SEVERE HYPOXEMIA		MILD HYPOX			

10		11		12	
pH	7.31 ACID	pH	7.27 ac	pH	7.55. ALK
PaCO ₂	33mmHg ALKA	PaCO ₂	35mmHg n	PaCO ₂	34mmHg ALKa
HCO ₃	16mEq/L ACID	HCO ₃	10mEq/L ac	HCO ₃	16.8mEq/L acid
pO ₂	68	pO ₂	78	pO ₂	91
Interpretation:		Interpretation:		Interpretation:	
METABOLIC ADIC		Metabolic acidosis		Respir alkalosis	
Part compensated		No compensation		Partial compensation	
MILD HYPOXEMIA		Mild hypoxemia			