

Instructional Module 7: ABG Practice 1

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1		2		3	
pH	7.38 ↓ N acid	pH	7.60 ↑ Alk	pH	7.37 N ↓ acid
PaCO ₂	30mmHg ↓	PaCO ₂	25mmHg ↓	PaCO ₂	59 mmHg ↑ resp
HCO ₃	10mEq/L ↓ c	HCO ₃	24mEq/L N	HCO ₃	34mEq/L ↑
pO ₂	60 mod	pO ₂	72 mild	pO ₂	82 Normal
Interpretation:		Interpretation:		Interpretation:	
metabolic acidosis		resp Alkalosis		resp. acidosis	
Full Comp		uncompensated		Fully Comp.	
Mod hypoxia		mild hypoxia		Normal oxygen	

4		5		6	
pH	7.56 ↑ Alk	pH	7.34 ↓ acid	pH	7.15 ↓ acid
PaCO ₂	40mmHg N	PaCO ₂	50mmHg ↑ resp	PaCO ₂	49 mmHg ↑ resp
HCO ₃	38mEq/L ↑ met	HCO ₃	31mEq/L ↑	HCO ₃	25mEq/L N
pO ₂	59 severe	pO ₂	65 mod	pO ₂	74 mild
Interpretation:		Interpretation:		Interpretation:	
metabolic Alkalosis		resp acidosis		resp. acidosis	
uncompensated		Partial compen.		uncompensated	
severe hypoxia		mod. hypoxia		Mild hypoxia	

7		8		9 _N	
pH	7.20 ↓ acid	pH	7.54 ↑ Alk	pH	7.42 ↑ Alk
PaCO ₂	30 mmHg ↓	PaCO ₂	44mmHg N	PaCO ₂	38mmHg N
HCO ₃	18mEq/L ↓ met	HCO ₃	36mEq/L ↑ met	HCO ₃	25.3mEq/L N
pO ₂	55 severe	pO ₂	64 mod	pO ₂	92 N
Interpretation:		Interpretation:		Interpretation:	
metabolic acidosis		metabolic Alkalosis		Normal ABG	
partial comp.		uncompensated		Normal oxygenation	
Severe hypoxia		Mod hypoxia			

10		11		12	
pH	7.31 ↓ acid	pH	7.27 ↓ acid	pH	7.55 ↑ Alk
PaCO ₂	33mmHg ↓	PaCO ₂	35mmHg N	PaCO ₂	34mmHg ↓ resp
HCO ₃	16mEq/L ↓ met	HCO ₃	10mEq/L ↓ met	HCO ₃	16.8mEq/L ↓ p
pO ₂	68 mod	pO ₂	78 Mild	pO ₂	91 Normal
Interpretation:		Interpretation:		Interpretation:	
metabolic acidosis		metabolic Acidosis		resp Alkalosis	
partial comp.		uncompensated		partial comp.	
Mod hypoxia		Mild hypoxia		Normal oxygen	