

Instructional Module 7: ABG Practice 1

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1		2		3	
pH	7.38 ↓ (N)	pH	7.60 ↑	pH	7.37 ↓ (N)
-PaCO ₂	30mmHg ↓	PaCO ₂	25mmHg ↓	PaCO ₂	59 mmHg ↑
HCO ₃	10mEq/L ↓	-HCO ₃	24mEq/L (N)-	-HCO ₃	34mEq/L ↑
pO ₂	60 moderate	pO ₂	72 mild	pO ₂	82 normal
Interpretation:		Interpretation:		Interpretation:	
Metabolic acidosis Fully Comp.		Respiratory Alkalosis Uncompensated		Respiratory acidosis Fully Comp.	

4		5		6	
pH	7.56 ↑	pH	7.34 ↓	pH	7.15 ↓
-PaCO ₂	40mmHg (N)-	PaCO ₂	50mmHg ↑	PaCO ₂	49 mmHg ↑
HCO ₃	38mEq/L ↑	-HCO ₃	31mEq/L ↑	-HCO ₃	25mEq/L (N) ↑
pO ₂	59 severe	pO ₂	65 moderate	pO ₂	74 mild
Interpretation:		Interpretation:		Interpretation:	
Metabolic alkalosis Uncompensated		Respiratory acidosis Partially Comp.		Respiratory acidosis Uncompensated	

7		8		9	
pH	7.20 ↓	pH	7.54 ↑	pH	7.42 (N) ↑
-PaCO ₂	30 mmHg ↓	-PaCO ₂	44mmHg (N) ↑	PaCO ₂	38mmHg (N) ↓
HCO ₃	18mEq/L ↓	HCO ₃	36mEq/L ↑	-HCO ₃	25.3mEq/L (N) ↑
pO ₂	55 severe	pO ₂	64 moderate	pO ₂	92 normal
Interpretation:		Interpretation:		Interpretation:	
Metabolic acidosis Partially Comp		Metabolic alkalosis Uncompensated		Respiratory alkalosis Uncompensated	

10		11		12	
pH	7.31 ↓	pH	7.27 ↓	pH	7.55 ↑
-PaCO ₂	33mmHg ↓	-PaCO ₂	35mmHg (N) ↓	PaCO ₂	34mmHg (N) ↓
HCO ₃	16mEq/L ↓	HCO ₃	10mEq/L ↓	-HCO ₃	16.8mEq/L ↓
pO ₂	68 moderate	pO ₂	78 mild	pO ₂	91 normal
Interpretation:		Interpretation:		Interpretation:	
Metabolic acidosis Partially Comp.		Metabolic acidosis Uncompensated		Respiratory alkalosis Partially Comp.	