

Instructional Module 7: ABG Practice 1

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Student Name: _____

Date: _____

PaCO₂ 35-45
HCO₃ 22-26

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 ↓ mod	pO ₂	72	pO ₂	82 ✓
Interpretation:		Interpretation:		Interpretation:	
metabolic acidosis fully comp moderate		Resp. Alkalosis uncomp mild		Resp. Acidosis fully comp Normal	

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 ↓ N
pO ₂	59 severe	pO ₂	65 mod	pO ₂	74 mild
Interpretation:		Interpretation:		Interpretation:	
metabolic Alkalosis Uncomp Severe		Resp. Acidosis Partial comp moderate		Resp. Acidosis Uncomp mild	

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 mod	pO ₂	92 normal
Interpretation:		Interpretation:		Interpretation:	
metabolic acidosis Partial comp Severe		metabolic alkalosis uncomp moderate		Normal	

10		11		12	
pH	7.31 ↓	pH	7.27 ↓	pH	7.55 ↑
PaCO ₂	33mmHg ↓	PaCO ₂	35mmHg ↓ N	PaCO ₂	34mmHg ↓
HCO ₃	16mEq/L ↓	HCO ₃	10mEq/L ↓	HCO ₃	16.8mEq/L ↓
pO ₂	68 mod	pO ₂	78 mild	pO ₂	91
Interpretation:		Interpretation:		Interpretation:	
metabolic Acidosis Partial comp moderate		metabolic acidosis uncomp mild		Resp. Alkalosis Partial normal	