

HCO3 22-26

PaCO2 35-45

Instructional Module 7: ABG Practice 1Student Name: Jackie Martinez

Date: _____

1		2		3	
pH	7.38 N ↓	pH	7.60 ↑	pH	7.37 N ↓
PaCO2	30mmHg ↓	PaCO2	25mmHg ↓	PaCO2	59 mmHg ↑
HCO3	10mEq/L ↓	HCO3	24mEq/L N	HCO3	34mEq/L ↑
pO2	60 ↓ mod	pO2	72 mild	pO2	82 N
Interpretation:		Interpretation:		Interpretation:	
Metabolic		Respiratory		Respiratory	
Acidosis		Alkalosis		Acidosis	
Fully compensated		uncompensated		Fully compensated	

4		5		6	
pH	7.56 ↑	pH	7.34 ↓	pH	7.15 ↓
PaCO2	40mmHg N	PaCO2	50mmHg ↑	PaCO2	49 mmHg ↑
HCO3	38mEq/L ↑	HCO3	31mEq/L ↑	HCO3	25mEq/L N
pO2	59 severe	pO2	65 mod	pO2	74 mild hypoxemia
Interpretation:		Interpretation:		Interpretation:	
Metabolic		Respiratory		Respiratory	
Alkalosis		Acidosis		Acidosis	
uncompensated		Partial Comp		uncompensated	

7		8		9	
pH	7.20 ↓	pH	7.54 ↑	pH	7.42 N ↑
PaCO2	30 mmHg ↓	PaCO2	44mmHg N	PaCO2	38mmHg N
HCO3	18mEq/L ↓	HCO3	36mEq/L ↑	HCO3	25.3mEq/L N
pO2	55 severe	pO2	64 moderate	pO2	92 normal
Interpretation:		Interpretation:		Interpretation:	
Metabolic		metabolic		Normal	
Acidosis		Alkalosis			
Partial Compensated		uncompensated			

10		11		12	
pH	7.31 ↓	pH	7.27 ↓	pH	7.55 ↑
PaCO2	33mmHg ↓	PaCO2	35mmHg N	PaCO2	34mmHg ↓
HCO3	16mEq/L ↓	HCO3	10mEq/L ↓	HCO3	16.8mEq/L ↓
pO2	68 moderate	pO2	78 mild	pO2	91 Normal
Interpretation:		Interpretation:		Interpretation:	
Metabolic		metabolic		Respiratory	
Acidosis		Acidosis		Alkalosis	
Partial Compensated		uncompensated		Partial Compensated	