

Instructional Module 7: ABG Practice 1

Student Name: Elizabeth Atore

Date: _____

7.35 - 7.45
35 45
22 - 26

1		2		3	
pH	7.38 ↓	pH	7.60 ↑	pH	7.37 ↓
PaCO ₂	30mmHg	PaCO ₂	25mmHg ↓	PaCO ₂	59 mmHg ↑
HCO ₃	10mEq/L ↓	HCO ₃	24mEq/L	HCO ₃	34mEq/L
pO ₂	60	pO ₂	72	pO ₂	82
Interpretation:		Interpretation:		Interpretation:	
metabolic acidosis		uncompensated		respiratory acidosis	
fully compensated		respiratory alkalosis		fully compensated.	
moderate hypoxia		mild hypoxia		normal oxygenation	

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
pO ₂	59	pO ₂	65	pO ₂	74
Interpretation:		Interpretation:		Interpretation:	
uncompensated		respiratory acidosis		respiratory acidosis	
metabolic alkalosis		partially compensated		uncompensated	
severe hypoxia		moderate hypoxia		mild hypoxia	

7		8		9	
pH	7.20 ↓	pH	7.54 ↑	pH	7.42 ↓
PaCO ₂	30 mmHg (N)	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	pO ₂	64	pO ₂	92
Interpretation:		Interpretation:		Interpretation:	
metabolic acidosis		metabolic alkalosis		Normal ABG	
partially compensated		not compensated		good oxygenation	
severe hypoxia		moderate hypoxia			

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	pO ₂	78	pO ₂	91
Interpretation:		Interpretation:		Interpretation:	
respiratory acidosis		metabolic acidosis		respiratory alkalosis	
partially compensation		uncompensated		partially compensation.	
moderate hypoxia		mild hypoxia		good oxygenation.	