

## Module 7: ABG Practice

Submit your answers in **paper form** before the start of the class.

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Date: 10/07/2020

ABG Interpretation Practice worksheet (12 items)

1		2		3	
pH	7.38	pH	7.60	pH	7.37
PaCO <sub>2</sub>	30mmHg	PaCO <sub>2</sub>	25mmHg	PaCO <sub>2</sub>	59 mmHg
HCO <sub>3</sub>	10mEq/L	HCO <sub>3</sub>	24mEq/L	HCO <sub>3</sub>	34mEq/L
pO <sub>2</sub>	60	pO <sub>2</sub>	72	pO <sub>2</sub>	82
Interpretation:		Interpretation:		Interpretation:	
Metabolic Acidosis with full Respiratory Compensation		Respiratory Alkalosis without Metabolic Compensation		Respiratory Acidosis with full Metabolic Compensation	
Moderate hypoxemia		Mild Hypoxemia		Normal O <sub>2</sub>	

4		5		6	
pH	7.56	pH	7.34	pH	7.15
PaCO <sub>2</sub>	40mmHg	PaCO <sub>2</sub>	50mmHg	PaCO <sub>2</sub>	49 mmHg
HCO <sub>3</sub>	38mEq/L	HCO <sub>3</sub>	31mEq/L	HCO <sub>3</sub>	25mEq/L
pO <sub>2</sub>	59	pO <sub>2</sub>	65	pO <sub>2</sub>	74
Interpretation:		Interpretation:		Interpretation:	
Metabolic Alkalosis without Respiratory Compensation		Respiratory Acidosis with partial Metabolic Compensation		Respiratory Acidosis without Metabolic Compensation	
Severe Hypoxemia		Moderate Hypoxemia		Mild Hypoxemia	

7		8		9	
pH	7.20	pH	7.54	pH	7.42
PaCO <sub>2</sub>	30 mmHg	PaCO <sub>2</sub>	44mmHg	PaCO <sub>2</sub>	38mmHg
HCO <sub>3</sub>	18mEq/L	HCO <sub>3</sub>	36mEq/L	HCO <sub>3</sub>	25.3mEq/L
pO <sub>2</sub>	55	pO <sub>2</sub>	64	pO <sub>2</sub>	92
Interpretation:		Interpretation:		Interpretation:	
Metabolic Acidosis with partial Respiratory Compensation		Metabolic Alkalosis without Respiratory Compensation		Normal Blood Gas	
Severe Hypoxemia		Moderate Hypoxemia		Normal O <sub>2</sub>	

10		11		12	
pH	7.31	pH	7.27	pH	7.55
PaCO <sub>2</sub>	33mmHg	PaCO <sub>2</sub>	35mmHg	PaCO <sub>2</sub>	34mmHg
HCO <sub>3</sub>	16mEq/L	HCO <sub>3</sub>	10mEq/L	HCO <sub>3</sub>	16.8mEq/L
pO <sub>2</sub>	68	pO <sub>2</sub>	78	pO <sub>2</sub>	91
Interpretation:		Interpretation:		Interpretation:	

Metabolic Acidosis with partial Respiratory Compensation	Metabolic Acidosis without Respiratory Compensation	Respiratory Alkalosis with partial Metabolic Compensation
Moderate Hypoxemia	Mild Hypoxemia	Normal O <sub>2</sub>

**BELOW IS A COPY OF MY WORK:**

1. 

A	N	B
<del>pH</del>		
HCO <sub>3</sub>		CO <sub>2</sub>

 Met acid w/ full Resp comp

7. 

A	N	B
pH		
HCO <sub>3</sub>		CO <sub>2</sub>

 Met. Acidosis w/ partial resp comp

2. 

A	N	B
		pH
HCO <sub>3</sub>		CO <sub>2</sub>

 Resp Alkalosis w/o comp

8. 

A	N	B
		pH
CO <sub>2</sub>		HCO <sub>3</sub>

 Met Alkalosis w/o Resp compensation

3. 

A	N	B
<del>pH</del>		
CO <sub>2</sub>		HCO <sub>3</sub>

 Resp Acidosis w/ full met comp

9. 

A	N	B
pH		
CO <sub>2</sub>		HCO <sub>3</sub>

 Normal BG Normal O<sub>2</sub>

4. 

A	N	B
		pH
CO <sub>2</sub>		HCO <sub>3</sub>

 Met Alkalosis w/o Resp comp

10. 

A	N	B
pH		
HCO <sub>3</sub>		CO <sub>2</sub>

 Met acidosis w/ partial resp comp

5. 

A	N	B
pH		
CO <sub>2</sub>		HCO <sub>3</sub>

 Resp Acidosis w/ partial met. comp

11. 

A	N	B
pH		
HCO <sub>3</sub>		CO <sub>2</sub>

 Met acidosis w/ resp comp

6. 

A	N	B
pH		
CO <sub>2</sub>		HCO <sub>3</sub>

 Resp. Acidosis w/o Met comp

12. 

A	N	B
		pH
HCO <sub>3</sub>		CO <sub>2</sub>

 Resp Alkalosis w/ partial met comp