Instructional Module 7: ABG Practice 1

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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:**
Fully compensated	uncompensated	Fully compensated
metabolic acidosis	Respiratory Alkalosis	Respiratory acidosis
moderate Hypoxemia	mild Hypoxemia	normal oxygenation

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 S	pO2 65 mod	pO2 74 mild
Interpretation:	**Interpretation:**	**Interpretation:**
uncompensated	Partially compensated	uncompensated
metabolic alkalosis	Respiratory acidosis	Respiratory acidosis
Severe Hypoxemia	moderate hypoxemia	mild hypoxemia

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 S	pO2 64 mod	pO2 92 N
Interpretation:	**Interpretation:**	**Interpretation:**
Partially compensated	uncompensated	
Metabolic acidosis	metabolic alkalosis	NORMAL ABG
Severe Hypoxemia	moderate hypoxemia	

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 mod	pO2 78 mild	pO2 91 N
Interpretation:	**Interpretation:**	**Interpretation:**
Partially compensated	uncompensated	Partially compensated
metabolic acidosis	metabolic acidosis	Respiratory alkalosis
moderate hypoxemia	mild hypoxemia	normal oxygenation