

# Instructional Module 7: ABG Practice 1

Student Name: Mia Carter

Date: 1/25/25

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
<b>Interpretation:</b>	<b>Interpretation:</b>	<b>Interpretation:</b>
metabolic acidosis fully compensated moderate hypoxemia	respiratory alkalosis uncompensated mild hypoxemia	fully compensated respiratory acidosis 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 severe	pO2 65 mod	pO2 74 mild
<b>Interpretation:</b>	<b>Interpretation:</b>	<b>Interpretation:</b>
uncompensated metabolic alkalosis severe hypoxemia	partially compensated respiratory acidosis moderate hypoxemia	uncompensated respiratory acidosis 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 sev	pO2 64 mod	pO2 92 N
<b>Interpretation:</b>	<b>Interpretation:</b>	<b>Interpretation:</b>
partially compensated metabolic acidosis severe hypoxemia	uncompensated metabolic alkalosis moderate hypoxemia	normal ABG

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 normal
<b>Interpretation:</b>	<b>Interpretation:</b>	<b>Interpretation:</b>
partially compensated metabolic acidosis moderate hypoxemia	uncompensated metabolic acidosis mild hypoxemia	partially compensated respiratory alkalosis normal oxygenation