

Instructional Module 7: ABG Practice 1

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Due -

Date: (12/06/21)

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 N 24mEq/L	HCO ₃ ↑ 34mEq/L
pO ₂ 60	pO ₂ 72	pO ₂ 82
Interpretation:	Interpretation:	Interpretation:
metabolic Acidosis	Respiratory Alkalosis	Respiratory Acidosis
Fully compensated	uncompensated	Fully compensated
moderate Hypoxemia	mild Hypoxemia	Normal Oxygenation

4	5	6
pH ↑ 7.56	pH ↓ 7.34	pH ↓ 7.15
PaCO ₂ N 40mmHg	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:
metabolic Alkalosis	Resp Acidosis	Resp. Acidosis
uncompensated	Partially compensated	uncompensated
Severe Hypoxemia	moderate Hypoxemia	mild Hypoxemia

7	8	9
pH ↓ 7.20	pH ↑ 7.54	pH ↑ 7.42
PaCO ₂ ↓ 30 mmHg	PaCO ₂ ↑ 44mmHg	PaCO ₂ N 38mmHg (↑↓?)
HCO ₃ ↓ 18mEq/L	HCO ₃ ↑ 36mEq/L	HCO ₃ N 25.3mEq/L
pO ₂ 55	pO ₂ 64	pO ₂ 92
Interpretation:	Interpretation:	Interpretation:
metabolic Acidosis	metabolic Alkalosis	Normal
Partially compensated	uncompensated	w/ normal oxygenation
Severe hypoxemia	moderate Hypoxemia	

10	11	12
pH ↓ 7.31	pH ↓ 7.27	pH ↑ 7.55
PaCO ₂ ↓ 33mmHg	PaCO ₂ N 35mmHg	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:
metabolic Acidosis	metabolic Acidosis	Respiratory Alkalosis
Partially compensated	uncompensated	Partially compensated
moderate hypoxemia	mild Hypoxemia	Normal Oxygenation