

Instructional Module 7: ABG Practice 1

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1	2	3
pH \downarrow A N 7.38	pH \uparrow B 7.60	pH \downarrow N 7.37
PaCO ₂ \downarrow B 30mmHg	PaCO ₂ \downarrow B 25mmHg	PaCO ₂ \uparrow A 59 mmHg
HCO ₃ \downarrow A 10mEq/L	HCO ₃ N 24mEq/L	HCO ₃ \uparrow B 34mEq/L
pO ₂ 60	pO ₂ 72 M	pO ₂ 82 N

Interpretation: Metabolic Acidosis Full compensation Mod. Hypoxemia	Interpretation: Respiratory Alkalosis uncompensated mild Hypoxemia	Interpretation: Respiratory Acidosis Full compensation Normal Oxygenation
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4	5	6
pH \uparrow B 7.56	pH \downarrow A 7.34	pH \downarrow A 7.15
PaCO ₂ N 40mmHg	PaCO ₂ \uparrow A 50mmHg	PaCO ₂ \uparrow A 49 mmHg
HCO ₃ \uparrow B 38mEq/L	HCO ₃ \uparrow B 31mEq/L	HCO ₃ N 25mEq/L
pO ₂ \downarrow 59	pO ₂ 65	pO ₂ 74

Interpretation: Metabolic Alkalosis uncompensated severe hypoxemia	Interpretation: Respiratory Acidosis partial compensation mod. hypoxemia	Interpretation: Respiratory Acidosis uncompensated mild hypoxemia
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7	8	9
pH \downarrow A 7.20	pH \uparrow B 7.54	pH 7.42 N
PaCO ₂ \downarrow B 20 mmHg	PaCO ₂ N 44mmHg	PaCO ₂ N 38mmHg
HCO ₃ \downarrow A 18mEq/L	HCO ₃ \uparrow B 36mEq/L	HCO ₃ N 25.3mEq/L
pO ₂ \downarrow 55	pO ₂ 64	pO ₂ N 92

Interpretation: Metabolic Acidosis Partial comp. severe hypoxemia	Interpretation: metabolic alkalosis uncompensated mod. hypoxemia	Interpretation: Normal
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10	11	12
pH \downarrow A 7.31	pH \downarrow A 7.27	pH \uparrow B 7.55
PaCO ₂ \downarrow B 33mmHg	PaCO ₂ N 35mmHg	PaCO ₂ \downarrow B 34mmHg
HCO ₃ \downarrow A 16mEq/L	HCO ₃ \downarrow A 10mEq/L	HCO ₃ \downarrow A 16.8mEq/L
pO ₂ 68	pO ₂ 78	pO ₂ N 91

Interpretation: Metabolic Acidosis partial comp. mod. Hypoxemia	Interpretation: metabolic Acidosis uncompensated mild hypoxemia	Interpretation: Respiratory Alkalosis partial compensation Normal oxygenation
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