

TOPIC: A-20ACID-BASE AND VENTILATORY DISORDERS
OBJECTIVE: To be able to interpret arterial blood gases and establish the diagnosis or differential diagnosis. To understand how blood gas Analysis can be used to determine treatment and monitoring.

PROBLEM	KNOWLEDGE	SKILLS/ATTITUDES	LEARNING	ASSESSMENT
Acid-based disorders.	Interpretation of arterial blood gas results. Alveolar Gas equation* A-a Gradient* Metabolic acidosis including lactic acidosis. Acute and chronic respiratory acidosis, respiratory alkalosis and metabolic alkalosis. Anion gap. Osmolar gap. Role of sodium bicarbonate as a therapeutic agent. Carbonmonoxide poisoning.	To be able to take an arterial blood gas from the radial or femoral artery safely. Arterial line insertion*	LP LT GT PS	OC DOPS CBD AUD ME FFAEM MFAEM