

C3AP3 ABGs - Interpretation of abnormal blood gas results in the Emergency

Department

The trainee will be able to evaluate the blood gas results of critically ill patients in the resuscitation room, identifying the abnormalities and producing a valid differential diagnosis		
Knowledge	Assessment Methods	GMP Domains
Be able to interpret blood gas results establishing if acidotic, alkalotic, and the underlying metabolic / respiratory disturbance	E, Mi, C, ACAT	1
Produce a differential diagnosis for each disturbance	E, Mi, C, ACAT	1
Know the causes of acidosis with both normal and raised anion gap	E, Mi, C, ACAT	1
Understand the significance of lactic acidosis in the critically ill patient	E, Mi, C, ACAT	1
Be able to interpret blood gases to assess effectiveness of ventilation	E, Mi, C, ACAT	1
Skills		
Be able to place an arterial line	D	1
To be able to take an arterial blood gas from an arterial line aseptically	D	1
Behaviour		
Establish the abnormality, suggest treatment and ensure repeat blood gas taken to assess response	Mi, C	2