

CMP4 Septic Patient

The trainee will have full competence in the assessment and resuscitation of the patient presenting with severe sepsis or septic shock		
Knowledge	Assessment Methods	GMP Domains
Demonstrate knowledge of the definitions of the systemic inflammatory response syndrome (SIRS), severe sepsis and septic shock Knowledge of the outcomes of SIRS, septic shock and multiple organ failure	E, C, Mi, ACAT	1
Knowledge of common gram negative and gram positive organisms producing sepsis. Knowledge of special situations not limited to but including infection with: Toxin producing bacteria Invasive Group A Streptococcus Fungal organisms	C, ACAT	1
List components of current "care bundles" (e.g. The Surviving Sepsis Campaign 6 hour bundle)	E, C, Mi, ACAT	1
Outline indication and safe delivery of fluids and vasoactive drugs to haemodynamic endpoints Understanding of Early Goal Directed Therapy	E, C, Mi, ACAT	1
Demonstrate knowledge of first line empiric antibiotic therapy for common sepsis presentations. Understanding of the hospital antimicrobial formulary.	E, C, Mi, ACAT	1
Knowledge of the pharmacology and rationale for the use of: Vasoactive drugs used in sepsis Adjunctive drugs used in sepsis	E, C, Mi, ACAT	1
Knowledge of ventilatory strategies used in septic shock including lung protective ventilation	E, C, Mi, ACAT, AA	1
Understanding of the use of renal replacement therapies in sepsis and septic shock	E, C, Mi, ACAT	1
Skills		
Rapidly assesses the shocked patient in terms of ABC, airway, breathing and circulation	Mi, C, S, D, L	1
Administers oxygen, establishes intravenous access, takes	Mi, C, S, D, L	1

blood cultures and administers antibiotics and intravenous fluids in accordance with 6 hour sepsis bundle		
Competently performs further steps in resuscitation: arterial and central line insertion: drug assisted endotracheal intubation and safe selection of initial ventilator settings	Mi, C, S, D, L	1
Organises and interprets initial investigations: <ul style="list-style-type: none"> ▪ Arterial blood gases ▪ Lactate ▪ Central venous oxygen saturation Organises microbiological investigations not limited to but including relevant cultures, blood cultures and urinary antigens	E, Mi, C, S, D, L	1
Break bad news appropriately (see common competences curriculum)	Mi, C, S, L	3
Behaviour		
Recognise and intervene in critical illness promptly to prevent deterioration and the development of multiple organ failure	ACAT, C, Mi	1
Maintain safety of environment for patient and health workers	ACAT, C, Mi	2
Demonstrate ability to work in a team and succinctly present clinical details of situation to senior doctor	ACAT, C, Mi	3
Demonstrate ability to consult with a senior, seek anaesthetic team support in airway management and liaise with parent team and with microbiologists	ACAT, C, Mi	2
Recognise importance of sensitively breaking bad news to family	ACAT, C, Mi	3