

7. Blueprint of Final FFICM examination mapped against curriculum competencies

Domain 1: Resuscitation and initial management of the acutely ill patient				
Competence	Description	MCQ	OSCE	SOE
1.1	Adopts a structured and timely approach to the recognition, assessment and stabilisation of the acutely ill patient with disordered physiology			√
1.2	Manages cardiopulmonary resuscitation		√	√
1.3	Manages the patient post resuscitation			√
1.4	Triages and prioritises patients appropriately, including timely admission to ICU			√
1.5	Assesses and provides initial management of the trauma patient			√
1.6	Assesses and provides initial management of the patient with burns			√
1.7	Describes the management of mass casualties			√
Domain 2: Diagnosis, Assessment, Investigation, Monitoring and Data Interpretation				
Competence	Description	MCQ	OSCE	SOE
2.1	Obtains a history and performs an accurate clinical examination		√	
2.2	Undertakes timely and appropriate investigations			√
2.3	Performs electrocardiography (ECG / EKG) and interprets the results	√	√	√
2.4	Obtains appropriate microbiological samples and interprets results	√	√	√
2.5	Obtains and interprets the results from blood gas samples	√	√	√
2.6	Interprets imaging studies		√	√
2.7	Monitors and responds to trends in physiological variables	√	√	√
2.8	Integrates clinical findings with laboratory investigations to form a differential diagnosis	√	√	√
Domain 3: Disease Management				
Competence	Description	MCQ	OSCE	SOE
3.1	Manages the care of the critically ill patient with specific acute mental conditions	√	√	√
3.2	Identifies the implications of chronic and co-morbid disease in the acutely ill patient	√	√	√
3.3	Recognises and manages the patient with circulatory failure	√	√	√
3.4	Recognises and manages the patient with, or at risk of, acute kidney injury	√	√	√
3.5	Recognises and manages the patient with, or at risk of, acute liver failure	√	√	√
3.6	Recognises and manages the patient with neurological impairment	√	√	√
3.7	Recognises and manages the patient with acute gastrointestinal failure	√	√	√
3.8	Recognises and manages the patient with acute lung injury syndromes (ALI / ARDS)	√	√	√
3.9	Recognises and manages the septic patient	√	√	√
3.10	Recognises and manages the patient following intoxication with drugs or environmental toxins	√	√	√
3.11	Recognises life-threatening maternal peripartum complications and manages care under	√	√	√
Domain 4: Therapeutic interventions / Organ support in single or multiple organ failure				
Competence	Description	MCQ	OSCE	SOE
4.1	Prescribes drugs and therapies safely	√	√	√
4.2	Manages antimicrobial drug therapy	√	√	√
4.3	Administers blood and blood products safely	√	√	√
4.4	Uses fluids and vasoactive / inotropic drugs to support the circulation	√	√	√
4.5	Describes the uses of mechanical assist devices to support the circulation			√

4.6	Initiates, manages, and weans patients from invasive and non-invasive ventilatory support	√		√
4.7	Initiates, manages and weans patients from renal replacement therapy	√		√
4.8	Recognises and manages electrolyte, glucose and acid-base disturbances	√	√	√
4.9	Co-ordinates and provides nutritional assessment and support	√	√	√
Domain 5: Procedures				
<i>Competence</i>	<i>Description</i>	MCQ	OSCE	SOE
5.1	Administers oxygen using a variety of administration devices		√	
5.2	Performs emergency airway management		√	
5.3	Performs difficult and failed airway management according to local protocols		√	
5.4	Performs endotracheal suction		√	
5.5	Performs fiberoptic bronchoscopy and BAL in the intubated patient under supervision		√	
5.6	Performs percutaneous tracheostomy		√	
5.7	Performs chest drain insertion		√	
5.8	Performs arterial catheterisation		√	
5.9	Performs ultrasound techniques for vascular localisation		√	
5.10	Performs central venous catheterisation		√	
5.11	Performs defibrillation and cardioversion		√	
5.12	Performs transthoracic cardiac pacing describes transvenous		√	
5.13	Describes how to perform pericardiocentesis		√	
5.14	Demonstrates a method for measuring cardiac output and derived haemodynamic variables		√	
5.15	Performs lumbar puncture (intradural / 'spinal') under supervision		√	
5.16	Manages the administration of analgesia via an epidural catheter		√	
5.17	Performs abdominal paracentesis		√	
5.18	Describes Sengstaken tube (or equivalent) placement		√	
5.19	Performs nasogastric tube placement in the intubated patient		√	
5.20	Performs urinary catheterisation		√	
Domain 6: Perioperative Care				
<i>Competence</i>	<i>Description</i>	MCQ	OSCE	SOE
6.1	Manages the pre- and post-operative care of the high risk surgical patient			√
6.2	Manages the care of the patient following cardiac surgery under supervision			√
6.3	Manages the care of the patient following craniotomy under supervision			√
6.4	Manages the care of the patient following solid organ transplantation under supervision			√
6.5	Manages the pre- and post-operative care of the trauma patient under supervision			√
Domain 7: Comfort and Recovery				
<i>Competence</i>	<i>Description</i>	MCQ	OSCE	SOE
7.1	Identifies and attempts to minimise the physical and psychosocial consequences of critical illness for patients and families		√	√
7.2	Manages the assessment, prevention and treatment of pain and delirium	√	√	√
7.3	Manages sedation and neuromuscular blockade	√	√	√
7.4	Communicates the continuing care requirements, including rehabilitation, of patients at ICU discharge to health care professionals, patients and relatives		√	
7.5	Manages the safe and timely discharge of patients from the ICU			√
Domain 8: End of life care				
<i>Competence</i>	<i>Description</i>	MCQ	OSCE	SOE
8.1	Manages the process of withholding or withdrawing treatment with the multidisciplinary team		√	√

8.2	Discusses end of life care with patients and their families / surrogates		√	√
8.3	Manages palliative care of the critically ill patient	√		√
8.4	Performs brain-stem death testing	√	√	√
8.5	Manages the physiological support of the organ donor	√	√	√
8.6	Manages donation following cardiac death		√	√
Domain 9: Paediatric care				
<i>Competence</i>	<i>Description</i>	MCQ	OSCE	SOE
9.1	Describes the recognition of the acutely ill child and initial management of paediatric emergencies		√	√
9.2	Describes national legislation and guidelines relating to child protection and their relevance to critical care			√
Domain 10: Transport				
<i>Competence</i>	<i>Description</i>	MCQ	OSCE	SOE
10.1	Undertakes transport of the mechanically ventilated critically ill patient outside the ICU		√	√
Domain 11: Patient safety and health systems management				
<i>Competence</i>	<i>Description</i>	MCQ	OSCE	SOE
11.1	Leads a daily multidisciplinary ward round			
11.2	Complies with local infection control measures			√
11.3	Identifies environmental hazards and promotes safety for patients and staff	√	√	√
11.4	Identifies and minimises risk of critical incidents and adverse events, including complications of critical illness	√	√	√
11.5	Organises a case conference			√
11.6	Critically appraises and applies guidelines, protocols and care bundles		√	√
11.7	Describes commonly used scoring systems for assessment of severity of illness, case mix and workload		√	√
11.8	Demonstrates an understanding of the managerial and administrative responsibilities of the ICM specialist			√
Domain 12: Professionalism				
<i>Competence</i>	<i>Description</i>	MCQ	OSCE	SOE
12.1	Communicates effectively with patients and relatives		√	
12.2	Communicates effectively with members of the health care team		√	
12.3	Maintains accurate and legible records / documentation		√	
12.4	Involves patients (or their surrogates if applicable) in decisions about care and treatment		√	√
12.5	Demonstrates respect of cultural and religious beliefs and an awareness of their impact on decision making		√	√
12.6	Respects privacy, dignity, confidentiality and legal constraints on the use of patient data		√	√
12.7	Collaborates and consults; promotes team-working		√	√
12.8	Ensures continuity of care through effective hand-over of clinical information		√	√
12.9	Supports clinical staff outside the ICU to enable the delivery of effective care			√
12.10	Appropriately supervises		√	√
12.11	Takes responsibility for safe patient care		√	√
12.12	Formulates clinical decisions with respect for ethical and legal principles		√	√
12.13	Seeks learning opportunities and integrates new knowledge into clinical practice			√
12.14	Participates in multidisciplinary teaching			√
12.15	Participates in research or audit under supervision			√