MS934-20 Critical Care Skills for Advanced Critical Care Practitioners

26/27

Department
Warwick Medical School
Level
Taught Postgraduate Level
Module leader
Joyce Yeung
Credit value
20
Module duration
12 weeks
Assessment
70% coursework, 30% exam
Study location
University of Warwick main campus, Coventry

Description

Introductory description

This module covers essential topics required for those who are aiming to achieve membership of the Faculty of Intensive Care Medicine (FICM). This module will include subjects such as anatomy and physiology related to critical care, equipment used in critical care and diagnosis and disease management as it relates to the critical care patient.

Module aims

This module aims to prepare those practitioners aiming to achieve membership of the Faculty of Intensive Care Medicine (FICM) to become competent in those areas of the FICM curriculum not covered by other modules. Students will be required to provide evidence of learning both in the academic area as well as the in clinical practice which will underpin their practice as Advance Critical Care Practitioners. They will be required to also provide evidence, as required by FICM, in the form of Direct Observed Procedures (DOPS), Case Based Discussions (CBDS) and reflections on aspects of their practice.

Whilst this module focuses on Critical Care in order to obtain FICM accreditation at the end of the Masters programme it is essential that the practitioner is seen to be continually assessed as per

the FICM curriculum throughout their training period in their clinical area.

As such progress will be monitored by the University using its online portfolio system (APTEM) which will ensure that progress is being made and regular tripartite meetings take place. At these meetings the student, University representative and clinical supervisor can identify issues and arrive at joint solutions.

Outline syllabus

This is an indicative module outline only to give an indication of the sort of topics that may be covered. Actual sessions held may differ.

This will include subjects such as anatomy, physiology and pathophysiology related to critical care, equipment used in critical care and diagnosis and disease management as it relates to the critical care patient. The module will also cover other key areas such as rehabilitation, discharge planning, end of life and palliative care, teamwork and communications, legal and ethical aspects of critical care.

Learning outcomes

By the end of the module, students should be able to:

- 1. Understand anatomy, physiology, and pathophysiology as it relates to the critical care patient.
- 2. Interpret clinical data and investigations in the assessment and management of critical care patients.
- 3. Diagnose and manage disease within the scope of critical care.
- 4. Be competent in the wide range of technology in critical care. This will include mechanical ventilation, renal replacement therapy, infusion devices, cardiovascular devices (such as intra-aortic balloon pumps), monitoring equipment, and upcoming new technologies
- 5. Understand end of life and palliative care in critical care and how this can affect their decision-making process in the patient's pathway.
- 6. Describe the role of the Organ Donation team and their part in this important process.Describe surgical processes which their patients may undergo and how this will impact on care and treatment.
- 7. Describe surgical processes which their patients may undergo and how this will impact on care and treatment.
- 8. Discuss the legal and ethical aspects of critical care.
- 9. Explain the importance of discharge planning and rehabilitation in critical care.
- 10. Demonstrate the various ways in which communication can play a part both as part of the multi-disciplinary team and with the patient's friends and family.
- 11. Define the quality standards of care and education in critical care.

Indicative reading list

Reading lists can be found in Talis

Subject specific skills

As part of Advanced Clinical Practice - Critical Care MSc course, Critical Care Skills module provides additional teaching of theory and simulated skills to support student learning in their workplace-based clinical practice.

Students will acquire specific knowledge and skills required to adequately assess, diagnosis and manage a range of critically ill patients including interpreting clinical data and investigations, technology in critical care, decision making in escalation of treatment including end of life care, discharge planning and rehabilitation. Extended topics will cover the importance of multi-disciplinary team work, communication and maintaining high quality care by education and quality improvement.

Transferable skills

Adaptability & Flexibility
Thinking & Problem solving
Oral communication
Teamwork
Organisation & time management
Independence & initiative
Commercial awareness
Use of tools, technology & software

Study

Study time

Type	Required
Lectures	17 sessions of 1 hour (10%)
Seminars	20 sessions of 30 minutes (6%)
Supervised practical classes	11 sessions of 30 minutes (3%)
Work-based learning	12 sessions of 8 hours (59%)
Private study	35 hours (21%)
Total	163.5 hours

Private study description

Self-directed learning including literature view and preparing for presentations and case-based discussions; writing reflective pieces; revising key anatomy, physiology, pathophysiology; interpretation of clinical data and investigations

Costs

No further costs have been identified for this module.

Assessment

You must pass all assessment components to pass the module.

Assessment group D

Assessment component	Weighting	Study time	Eligible for self-certification
Critical Care Skills	70%	35 hours	Yes (extension)

This is a two part submission; A portfolio/logbook that demonstrates application of theory to practice and provides rationale for decisions with evidence of reflective practice.
Part a: Portfolio/logbook (of 10 patients). It will include evidence of DOPS, CBDS and personal reflective pieces that demonstrates application of knowledge into practice.
Part b: Two 1500-word critically reflective pieces utilising their knowledge and understanding to critically analyse research to reflect on an area of critical care practice as it relates to those patients identified in their portfolio.

Reassessment component is the same

Assessment component	Weighting	Study time	Eligible for self-certification
Objective Structured Long Examination Record (OSLER)	30%	1 hour 30 minutes	Yes (extension)

A single station OSLER which takes place in a simulated setting. The student will be presented with a clinical scenario and assessed on their assessment, diagnosis, and management skills.

Reassessment component is the same

Feedback on assessment

Feedback will provided using assessment rubrics for both assessments

Past exam papers for MS934

Availability

Pre-requisites

To take this module, you must have passed:

- Any of
  - MD9A6-40 Clinical Examination and Diagnostic Skills for Healthcare Professionals
  - MD9A3-40 Independent & Supplementary Prescribing for Health Care Professionals

There is currently no information about the courses for which this module is core or optional.