



MGM INSTITUTE OF HEALTH SCIENCES

(Deemed to be University) Grade 'A' Accredited by NAAC

MGM NEW BOMBAY COLLEGE OF NURSING

5th Floor, MGM Educational Campus, Plot No. 1 & 2
Sector-1, Kamothe, Navi Mumbai – 410 209.

M.Sc. NURSING (NURSE PRACTITIONER IN CRITICAL CARE)

PROGRAMME OUTCOME

After completing M.Sc Nursing (Nurse Practitioner in Critical Care) Programme, the graduate will be able to;

- PO1:** Demonstrate competency in providing holistic care to critically ill patients
- PO2:** Develops clinical competency in diagnostic reasoning, complex monitoring and treatment therapies in collaboration with treating doctor.
- PO3:** Apply theoretical, patho-physiological and pharmacological principles and evidence base knowledge in implementing therapies / interventions in critical care.
- PO4:** Appraise critical conditions for providing emergent treatment to stabilize and restore patients' health.
- PO5:** Manage complications independently or collaboratively as a part of critical care team.
- PO6:** Collaborate with family members and other health care professionals in the critical care team, across the continuum of critical care.



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COURSE OUTCOME

First Year M.Sc. Nursing (Nurse Practitioner in Critical Care)

At the end of the course the student;

Research Application and Evidence Based Practice in Critical Care

- CO1 :** Explains the research process.
- CO2 :** Conducts independent research projects.
- CO3 :** Reports research findings through paper presentation and publications.
- CO4 :** Computes the data and interprets the results.

Advanced skills in Leadership, Management and Teaching

- CO5 :** Applies theories and principles of leadership in managing critical care units.
- CO6 :** Practices quality improvement strategies for managing critical care units.
- CO7 :** Applies principles of management for effective management of critical care units.
- CO8:** Develops teaching plan for educating nursing staff, patients and their relatives.

Advanced Pathophysiology & Pharmacology applied to Critical Care Nursing

- CO 9:** Integrates the knowledge of pathophysiological process in developing diagnosis and plan of care for critically ill patients.
- CO 10:** Applies the patho physiological principles in symptom management and secondary prevention of critical illnesses.
- CO 11:** Administer medications to critically ill patients following pharmacological principles.
- CO12:** Applies sound knowledge of drug interactions in administration of medication to critically ill patients.

Advanced Health / Physical Assessment in Critical Care Nursing

- CO13 :** Demonstrate competency in general and focused physical assessment of critically ill patients.
- CO14 :** Choose appropriate screening and diagnostic tests based on the physical examination findings.
- CO15 :** Analyses the results of various investigations and works collaboratively for development of diagnoses.
- CO16 :** Prioritize plan of care for critically ill patients in collaboration with multidisciplinary health team members.
- CO 17:** Documents assessment, diagnosis, and management and monitors follow up care in partnership with health care team members, patients, and families.



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COURSE OUTCOME

Second Year M.Sc. Nursing (Nurse Practitioner in Critical Care)

At the end of the course the student;

Foundations of Critical Care Nursing Practice

- CO 18: Demonstrates competency in providing holistic care to critically ill patients.
- CO 19: Demonstrates skill in performing appropriate invasive and non-invasive procedures required for critically ill patients.
- CO 20: Describes the legal and ethical issues related to critical care.
- CO 21: Explains continuous quality improvement strategies relevant to critical care.

Critical Care Nursing - I

- CO 22: Develops skill in assessment of critically ill patients with cardiac, pulmonary, neurology, nephrology, endocrine and gastrointestinal disorders.
- CO 23: Demonstrates competency in providing comprehensive care to critically ill patients with alterations in cardiac, pulmonary and nephrology systems.
- CO 24: Demonstrates competency in providing comprehensive care to critically ill patients with alterations in neurology, endocrine and gastrointestinal systems

Critical Care Nursing - II

- CO 25: Develops skill in assessment of critically ill children, obstetric and geriatric patients.
- CO 26: Demonstrates competency in providing comprehensive care to critically ill adult patients with alterations in haematological system, skin, multisystem organs and infectious diseases.
- CO 27: Demonstrates competency in providing comprehensive care to critically ill children, obstetric and geriatric patients
- CO 28: Establishes safe therapeutic environment during perianesthetic period using risk management and quality improvement strategies.