



## MGM INSTITUTE OF HEALTH SCIENCES

(Deemed to be University u/s 3 of UGC Act, 1956)

**Grade 'A' Accredited by NAAC**

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# Value Added Course

## Infusion Nursing

  
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Registrar  
MGM INSTITUTE OF HEALTH SCIENCES  
(DEEMED UNIVERSITY u/s 3 of UGC Act, 1956)  
NAVI MUMBAI- 410 209

  
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MGM INSTITUTE OF HEALTH SCIENCES  
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KAMOTHE, NAVI MUMBAI



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Kamothe, Navi Mumbai – 410 209.

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#### **Title: Infusion Nursing**

**Department:** MGM New Bombay College of Nursing

**Target Audience:** B.Sc. Nursing Students

**Duration:** 16 Hours (Theory -10 hours, practical-6 hours)

**Venue:** MGM New Bombay College of Nursing

**Course Objectives:** This course aims to provide the nursing students, the core theory knowledge and practical skills in infusion Nursing

#### **Specific Objectives:**

At the end of the course, the students will be able to

- Understand the standards, practices, and ethics of Infusion Nursing
- Learn the clinical assessment and monitoring methods such as Identifying the Fluid and Electrolyte balance and correcting methods, complications, and nursing interventions.
- Know about the Infection Prevention and Safety Compliance and various Infusion Equipment Devices.
- Have knowledge about Peripheral Vascular Access Device Selection and Placement
- Learn Peripheral Venous Site Selection, Access Site Preparation and Device Placement and Site care and Maintenance
- Understand Infusion Related Complications and its Nursing Management
- Study about considerations for Intravenous Drug Administration such as Drug preparation, Drug calculation etc.
- Have knowledge on clinical Decision making
- Learn about Documentation and Report preparation
- Understand the Blood Transfusion Therapy and Nursing Responsibilities
- Learn about the future of Infusion Nursing



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Hours	Content	Teaching Learning Method
1 hr	<b>Introduction to Infusion Nursing</b> Definition, Indications, Standards and Practices Ethics, Scope of Practice, Role and Responsibilities	Lecture-cum-discussion
1 hr	<b>Patient care</b> Orders for initiation and management of infusion Therapy, Patient Education, Informed Consent	Lecture-cum-discussion
T-1 hr, P-1 hr	<b>Clinical Assessment and Monitoring</b> Anatomy and Physiology Applied to Peripheral IV Infusion therapy, Diagnostic Testing and Values Fluid and Electrolyte balance, Principles of parenteral Administration, Evidence based infusion Practice	Lecture-cum-discussion, Demonstration
1 hr	<b>Infection Prevention and Safety Compliance</b> Infection Prevention, Hand Hygiene, Compounding of Parenteral solution and Medications, Safe Handling and Disposal of Sharps, Hazardous Waste, Disinfection of Durable Medical Equipment, Blood borne pathogens Needle Stick Injury and Prevention and Its Management	Lecture-cum-discussion and Demonstration
1 hr (P)	<b>Infusion Equipment</b> Add-on Devices, Needleless Connectors, Filters Flow control Devices, Blood and Fluid Warmers, Tourniquets, Administration sets, Catheter Stabilization devices	Exhibit and Demonstration
2 hrs (T-1hr, P-1hr)	<b>Peripheral Venous Access Device Selection and Placement</b> Short peripheral catheters, Midline Catheters <b>Peripheral Venous Site Selection and cannulation</b> Equipment, Preparing the patient, Checking the cannula Peripheral Vascular Access Site Preparation, insertion procedure and Device Placement	Exhibit and Demonstration and Lecture



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T-1 hr, P-1hr	<b>Site care and Maintenance</b> Administration set changes, Vascular access Device Removal, Flushing Vascular Access Device site care and Dressing <b>Clinical Decision Making</b> :Infusion Delivery System and Management	Visual aids-cum-lecture, discussion and demonstration
Th-1 hr	<b>Administration of Parenteral Investigational Drugs</b> IV Infusion Related Complications and Nursing Interventions	Lecture-cum-discussion
T-1hr, P-1 hr	<b>Considerations for Intravenous Drug Administration</b> Drug preparation, Drug Containers, Drug Compatibility and Stability, Methods of IV drug Administration ,Drug calculations and infusion therapy calculations <b>Documentation</b> Unusual occurrence and sentinel Event Reporting Product Evaluation, Integrity, and Defect Reporting Verification of Product and medication	Lecture-cum-discussion, Demonstration
T-2 hrs, P-1 hr	<b>Blood Transfusion Therapy</b> Blood Types and grouping, Types of Blood Products, Storage and handling of blood, Definition, Indication, Equipment ,Patient Education ,Informed Consent, Standards and Practices, Nursing responsibilities prior to, during and after blood transfusion, Post transfusion reaction and nursing responsibilities, Ethical issues related to Blood transfusion, Donor selection and counseling of blood donors. Bio-safety and waste management in relation to blood transfusion. Documentation and records for blood transfusion	Lecture-cum-discussion, Video clip and demonstration

**Course Evaluation:** Written Examination (Objective Type) / Assignments

**Name of the Coordinator:** Mrs. SivaKamasundari P, Asst. Professor, MGMNBCON