

NURSING 101: FOUNDATIONS OF NURSING

UNIT V: NURSING CARE OF THE SURGICAL PATIENT

UNIT OBJECTIVES

AT THE COMPLETION OF THE UNIT, THE STUDENT:

1. Differentiates between the 3 phases of perioperative care of the surgical patient.
2. Applies the nursing process to the perioperative care of the surgical patient.
3. Describes the roles of the nurse during each perioperative phase.
4. Discusses essential nursing assessments of the preoperative patient.
5. Describes surgical risk factors.
6. Describes the nursing role in the psychological and instructional preparation of the patient for surgery.
7. Discusses the physical preparation of the patient for surgery.
8. Discusses the rationale for preoperative medical and nursing management.
9. Demonstrates the technique for urinary catheterization.
10. Differentiates between general, regional, and local anesthesia, including patient response and nursing implications.
11. Describes the principles of aseptic technique.
12. Discusses the pathophysiology, nursing assessment, and management of the most frequent complications that occur during the immediate post anesthesia phase.
13. Describes the initial nursing assessment and management when receiving the patient on the clinical unit from the Post Anesthesia Care Unit (PACU).
14. Explains the pathophysiology and nursing management of common problems patients encounter during the post operative period.
15. Demonstrates care of a postoperative surgical wound.
16. Discusses principles of infection prevention.
17. Differentiates the types and purposes of isolation precautions utilized in hospitals.
18. Applies the nursing process when caring for a patient requiring isolation.
19. Discusses factors affecting sleep and rest.
20. Discusses various methods of pain management available to the postoperative patient.
21. Applies the nursing process to postoperative patients requiring pain control.
22. Teaches patients in all phases of the perioperative period.
23. Relates knowledge of community resources available to assist the surgical patient.
24. Identifies evidence-based practice/best practice standards related to nursing care for surgical patients.
25. Demonstrates accountability when providing nursing care for surgical patients.

CONTENT	HOURS	TEACHING METHOD	RELATED LEARNING EXPERIENCE OR SUPPORTING ACTIVITY	EVALUATION METHOD
<p>C. Physical Preparation the Evening Before Surgery</p> <p>D. Physical Preparation the Day of Surgery</p> <p>E. Nursing Care of Patients in the Intraoperative Phase: Part 1</p> <ol style="list-style-type: none"> 1. The Operating Room Physical Environment <ol style="list-style-type: none"> a. Purposes of an OR Suite b. Physical Design 2. The Human Environment 3. Nursing Process Related to OR 4. Admitting the Patient to the Operating Room Suite <p>F. The Role of Anesthesia</p> <p>G. Nursing Care of Patients in the Intraoperative Phase: Part 2</p>		<p>In-class activity - surgical masks</p> <p>Discussion of anesthetic agents and complications of anesthesia care</p> <p>Observation of surgical scrub, gloving, and gowning in OR suite during pre-op experiences.</p> <p>Wound classifications and types</p>	<p>In-class review pre-op checklist Video: Pre-op Preparation Case Studies</p> <p>Observation of surgical team</p> <p>Identifying surgical roles – Kahoot game Poll Everywhere</p> <p>Anesthesia rotation: Observation of anesthesia administration during perioperative experience</p> <p>Video: Surgical Asepsis Video: Donning sterile gloves Demonstrate putting on surgical Gloves using sterile technique Evolving Case Studies ATI: Skills: Getting dressed for OR experience Guest Speaker – Role of surgical nurse/OR environment</p>	<p>Pre-/Intra-Op Exam</p>

CONTENT	HOURS	TEACHING METHOD	RELATED LEARNING EXPERIENCE OR SUPPORTING ACTIVITY	EVALUATION METHOD
<ul style="list-style-type: none"> c. Fluid and Electrolyte Imbalances <ul style="list-style-type: none"> 1) Assessment 2) Pathophysiology <ul style="list-style-type: none"> a) Fluid Overload b) Fluid Deficit c) Hypokalemia 3) Nursing Management d. Urinary Complications <ul style="list-style-type: none"> 1) Assessment 2) Pathophysiology <ul style="list-style-type: none"> a) Urinary Retention b) Low Urine Output 3) Nursing Management e. Gastrointestinal Complications <ul style="list-style-type: none"> 1) Assessment 2) Pathophysiology <ul style="list-style-type: none"> a) Nausea and Vomiting b) Post-operative Ileus f. Integumentary Complications 2. Assessment of Post-operative Incision 3. Objectives of Wound Care 4. Wound Healing Process <ul style="list-style-type: none"> a. Primary Intention b. Secondary Intention c. Tertiary Intention d. Factors Influencing Wound Healing e. Complications of Wound Healing <ul style="list-style-type: none"> 1) Pathophysiology <ul style="list-style-type: none"> a. Hemorrhage b. Wound Infection c. Dehiscence/Evisceration 5. Wound Dressing Products 6. Dry Sterile Dressing 		<p>Post-op Challenge game</p> <p>Show and Tell: Various wound care products</p> <p>Demo: Dry Sterile Dressing Change</p>	<p>Video: Dry sterile dressing change Learning Lab: Dry sterile dressing change</p>	<p>Clinical Evaluation Competency Checklist</p>

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<p>J. Planning for Discharge and Follow-up Care</p> <ol style="list-style-type: none"> 1. Care of Wound Site and Dressings 2. Medication Needs 3. Activities Allowed and Prohibited 4. Dietary Concerns 5. Symptoms to be Reported 6. Need for Follow-up Care 				
<p>K. Normal Sleep/Rest</p> <ol style="list-style-type: none"> 1. Definitions 2. Characteristics of Normal Sleep/Rest 3. Factors Affecting Sleep and Rest 		<p>“Voice-over” PowerPoint with review questions and handout</p>		
<p>L. Altered Sleep/Rest Function</p> <ol style="list-style-type: none"> 1. Potential for Altered Sleep 2. Manifestation of Altered Sleep Function 3. Impact of Sleep Dysfunction on Activities of Daily Living <ol style="list-style-type: none"> a. Individual concerns b. Family concerns 4. Nursing Process <ol style="list-style-type: none"> a. Assessment b. Nursing Diagnoses c. Outcome Identification and Planning d. Implementation <ol style="list-style-type: none"> 1) Intervention to Promote Sleep and Rest 2) Intervention for Altered Function e. Evaluation 		<p>“Voice-over” PowerPoint with handout Lecture</p>		
<p>M. Concepts related to Health Protection and Infection Control</p> <ol style="list-style-type: none"> 1. Definition of Terms 			<p>Plan and give care to a patient requiring isolation as available</p>	

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<ul style="list-style-type: none"> 2. Chain of Infection 3. Defenses against Infection <ul style="list-style-type: none"> a. Normal Flora b. Body Systems c. Inflammation d. Immune Response 4. Healthcare Associated Infections 5. The Nursing Process Related to Infection Prevention <ul style="list-style-type: none"> a. Assessment <ul style="list-style-type: none"> 1) Client Susceptibility 2) Clinical Manifestations 3) Laboratory Data b. Nursing Diagnosis c. Planning d. Implementation <ul style="list-style-type: none"> 1) Nursing Responsibilities 2) Prevention of Spread of Infection <ul style="list-style-type: none"> a) Hygiene/Handwashing b) Supporting Defenses of Host c) Sterile Technique d) Disinfection/Sterilization e) Patient Placement 3) Isolations Precautions <ul style="list-style-type: none"> a) Responsibilities b) Categories c) Standard vs Transmission-based d) Psychological Implications 		<p>Gaming: Isolation Dress-up Game</p>	<p>Review of Infection Control Manual – Nursing care of patients with different kinds of isolation precautions</p>	
<ul style="list-style-type: none"> N. Pain and Comfort <ul style="list-style-type: none"> 1. Definition of Pain 2. Normal Function of Pain 3. Pain Classifications 4. Concepts Associated with Pain 		<p>“Voice-over” PowerPoint with handout</p> <p>Lecture</p>	<p>YouTube Clip: “Gate Control Theory”</p>	

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3. Equipment 4. Types of catheters a) Straight b) Indwelling c) Condom Catheter d) Coude´ e) 3-Way 5. Preparation of Patient 6. Procedural Steps 7. Special Considerations 8. Daily Care of Indwelling Catheters 9. Removal of Indwelling Catheter 10. Documentation		Demonstration of catheterization procedure Lecture		Intraoperative/ post-operative Exam