

## **NURSING 102: NURSING CARE OF ADULTS**

### **UNIT IV: NURSING CARE OF THE INDIVIDUAL WITH DISORDERS OF THE GASTROINTESTINAL SYSTEM**

#### **UNIT OBJECTIVES**

##### **AT THE COMPLETION OF THE UNIT, THE STUDENT:**

1. Relates the normal anatomy and physiology of the gastrointestinal system.
2. Relates the normal functioning of the gastrointestinal system to the maintenance of life.
3. Explains the interrelationships of the gastrointestinal system to other body systems.
4. Differentiates normal from abnormal characteristics of the gastrointestinal system.
5. Explains the purpose, significance, results, and nursing responsibilities of diagnostic studies for the gastrointestinal system.
6. Describes the etiology, clinical manifestations, complications, and nursing responsibilities for the patient with disorders of ingestion, nutrition, digestion, absorption, elimination, and for the patient with biliary tract, pancreas, and liver problems.
7. Discusses the usual medical, surgical, and nursing management of patients with disorders of ingestion, nutrition, digestion, absorption and elimination, and of patients with biliary tract, pancreas, and liver problems.
8. Discusses principles and nursing responsibilities of enteral feeding and parenteral nutrition.
9. Describes principles of nasogastric tube (NGT) insertion and nursing interventions for patients with a NGT and percutaneous endoscopic gastrostomy (PEG) tube.
10. Discusses basic care and nursing management of the patient with an ostomy.
11. Implements therapeutic nursing care using the nursing process and critical thinking skills for patients with disorders of the gastrointestinal system.
12. Utilizes communication skills when delivering nursing care to patients with disorders of the gastrointestinal system.
13. Identifies the psychosocial needs of patients with disorders of the gastrointestinal system.
14. Teaches patients about their gastrointestinal disorders.
15. Relates knowledge of community resources available to assist the patient with disorders of the gastrointestinal system.
16. Discusses clinical manifestations related to specific age-related physiologic changes.
17. Describes common problems of older adults and the role of the nurse in assisting them with selected gastrointestinal disorders.
18. Identifies evidence-based practice/best practice standards related to nursing care for patients with disorders of the gastrointestinal system.
19. Demonstrates accountability when providing nursing care for patients with disorders of the gastrointestinal system.

CONTENT / HOURS	TEACHING STRATEGIES	SUPPORTING ACTIVITIES	EVALUATION METHODS
<p><b>Unit IV: Nursing Care of the Individual with Disturbances of the Gastrointestinal System</b></p> <p>Theory: 13.0 Clinical: 10.5</p> <p>I. Review Anatomy and Physiology</p> <ul style="list-style-type: none"> <li>A. Assessment &amp; Diagnostics of GI Tract</li> <li>B. Common Diagnostic Testing</li> <li>C. Community Resources</li> <li>D. Geriatric Considerations</li> </ul> <p>II. Problems of Nutrition</p> <ul style="list-style-type: none"> <li>A. Malnutrition</li> <li>B. Obesity</li> <li>C. Bariatric Medicine</li> </ul> <p>III. Problems of Ingestion</p> <ul style="list-style-type: none"> <li>A. Dental Problems</li> <li>B. Oral Inflammations and Infections</li> <li>C. Carcinoma of the Oral Cavity</li> <li>D. Gastroesophageal Reflux Disease</li> <li>E. Hiatal Hernia</li> <li>F. Malignant Neoplasms of the Esophagus</li> <li>G. Other Esophageal Disorders <ul style="list-style-type: none"> <li>1. Esophagitis</li> <li>2. Diverticula</li> <li>3. Strictures</li> <li>4. Achalasia</li> </ul> </li> <li>H. Foodborne Illness</li> </ul>	<p>Lecture PowerPoint Discussion Handouts Classroom Participation</p> <p>In-Class Activity: Review GI Tract Anatomy Diagram</p> <p>Visual-based Learning: Obesity Epidemic Handout: Patient Diets &amp; Menu Mini nutrition assessment tool</p> <p>Unfolding Case Studies: Abdominal Mass Diet/Nutrition advice Malnutrition Obesity Nausea/Vomiting GERD PUD Esophageal</p>	<p>Required Readings Plan and care for the patient with gastrointestinal disorders when available Pre and Post Conference ATI Real Life Clinical: GI Bleed</p> <p>ATI Review Module: RN Adult Medical Surgical Nursing edition 12.0, chapter 47, 49</p> <p>ATI Active Learning Template: GERD</p>	<p>Class Preparation Quizzes (2) Unit Exams (2) Concept Maps ATI Real Life Clinical Evaluation Final Exam</p>

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<p>IV. Problems of Digestion</p> <ul style="list-style-type: none"> <li>A. Nausea and Vomiting</li> <li>B. Gastritis</li> <li>C. Upper GI Bleeding</li> <li>D. Peptic Ulcer Disease <ul style="list-style-type: none"> <li>i. Gastric</li> <li>ii. Duodenal <ul style="list-style-type: none"> <li>1. Complications</li> <li>2. Medications</li> </ul> </li> </ul> </li> <li>E. Stress Ulcers</li> <li>F. Gastric Surgery and complications</li> <li>G. Cancer of the Stomach</li> <li>H. Enteral Nutrition <ul style="list-style-type: none"> <li>a. Nasogastric/ orogastric tubes</li> <li>b. Intestinal tubes</li> <li>c. Enteral feedings</li> <li>d. Parenteral nutrition</li> </ul> </li> </ul> <p>(End Exam I)</p> <p>V. Problems of Absorption and Elimination</p> <ul style="list-style-type: none"> <li>A. Diarrhea</li> <li>B. Fecal Incontinence</li> <li>C. Constipation</li> <li>D. Chronic Abdominal Pain</li> <li>E. Inflammatory Diseases <ul style="list-style-type: none"> <li>1. Acute Abdomen</li> <li>2. Appendicitis</li> <li>3. Peritonitis</li> <li>4. Gastroenteritis</li> <li>5. Irritable Bowel Syndrome</li> <li>6. Inflammatory Bowel Disease <ul style="list-style-type: none"> <li>a. Ulcerative Colitis</li> <li>b. Crohn's Disease</li> </ul> </li> </ul> </li> <li>F. Intestinal Obstruction <ul style="list-style-type: none"> <li>1. Mechanical</li> <li>2. Nonmechanical</li> </ul> </li> <li>G. Polyps of the Large Intestine</li> <li>H. Cancer of the Colon &amp; Rectum</li> <li>I. Diverticulosis and Diverticulitis</li> <li>J. Hernias</li> </ul>	<p>Game-based Learning: GI Reflux &amp; Medications Kahoot</p> <p>Visual based-learning- NGT insertion, PEG tube placement, administering medications through an enteral tube, tube feedings</p> <p>Game-based learning: Kahoot!</p> <p>Experiential Learning: NGT insertion &amp; maintenance, administering medications through a PEG tube, administering enteral feedings</p> <p>Interactive Lecture: Guest Speaker - Enteral Feedings &amp; Supplements</p> <p>Interactive Lecture Discussion</p> <p>Video summaries: C-Diff, Laxatives, Appendicitis, Bowel Resection,</p> <p>Game based learning: Viral, parasitic, and bacterial diarrhea, hemorrhoids</p> <p>EBP Activity/Evolving Case Study: Appendicitis/Peritonitis</p> <p>Patient Education Activity: Crohn's/Ulcerative Colitis, Colorectal Cancer</p> <p>Guest Speaker: WOCN, ostomy care, patient teaching and hands on learning</p>	<p>Handout: Gastric and Duodenal Ulcers Chart</p> <p>ATI Review Module: RN Adult Medical Surgical Nursing edition 12.0, chapter 50, 51</p> <p>ATI Review Module: RN Adult Medical Surgical Nursing edition 12.0, Unit 7: chapter 48- Gastrointestinal Therapeutic Procedures</p> <p>ATI Skills Module 3.0: Enteral tube feeding</p> <p>Required readings</p> <p>Student Handout: Problems of Absorption and Elimination</p> <p>Class Prep- Case Study with associated Word Match</p> <p>Elimination Reflection Questions</p> <p>In-class Active Learning Templates (Absorption and Elimination disorders)</p> <p>NGN in class Questions: (Absorption and Elimination disorders)</p>	

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<p>K. Malabsorption Syndrome</p> <ol style="list-style-type: none"> <li>1. Celiac Disease</li> <li>2. Lactase Deficiency</li> </ol> <p>L. Anorectal Problems</p> <ol style="list-style-type: none"> <li>1. Hemorrhoids</li> <li>2. Anal Fissure/ Fistula</li> <li>3. Anorectal Abscess</li> <li>4. Anal Cancer</li> <li>5. Pilonidal Sinus</li> </ol> <p>VI. Problems of the Liver, Biliary Tract &amp; Pancreas</p> <p>A. Jaundice</p> <p>B. Hepatitis</p> <ol style="list-style-type: none"> <li>1. Viral</li> <li>2. Toxic &amp; Drug Induced</li> <li>3. Autoimmune</li> </ol> <p>C. Cirrhosis of the Liver</p> <ol style="list-style-type: none"> <li>1. Portal Hypertension</li> <li>2. Esophageal Varices</li> <li>3. Ascites &amp; Peripheral Edema</li> <li>4. Hepatic Encephalopathy</li> <li>5. Hepatorenal Syndrome</li> <li>6. Acute Management of Delirium Tremens (DTs)</li> </ol> <p>D. Carcinoma of the Liver</p> <p>E. Liver Transplantation</p> <p>F. Acute Pancreatitis</p> <p>G. Chronic Pancreatitis</p> <p>H. Carcinoma of the Pancreas</p> <p>I. Disorders of the Biliary Tract</p> <ol style="list-style-type: none"> <li>1. Cholelithiasis</li> <li>2. Cholecystitis</li> </ol> <p>J. Cancer of the Gallbladder</p> <p>(End Exam II)</p>	<p>Evolving Case Studies: Constipation, Ulcerative Colitis, Intestinal Obstruction</p> <p>Game Based learning: Scavenger Hunt - GI disorders</p> <p>Game Based learning: Kahoot- Hernias; Elimination Disorders</p> <p>Game Based learning: Ed Puzzle- Malabsorption</p> <p>Interactive Lecture Discussion</p> <p>Evolving Case Studies – Hepatic Encephalopathy</p> <p>Video Summaries</p> <p>Game Based Learning: Group Kahoot Review</p> <p>Game Based Learning: Jeopardy – Liver, Pancreas, Biliary</p>	<p>Student handout: Liver, Pancreas and Biliary</p> <p>Hepatitis handout</p> <p>Liver, Pancreas, Biliary quick reference handout</p> <p>Edpuzzles – Class Prep</p> <p>NGN Matrix Case Study: Pancreatitis</p> <p>NGN Extended Drag and Drop: Cholelithiasis</p>	