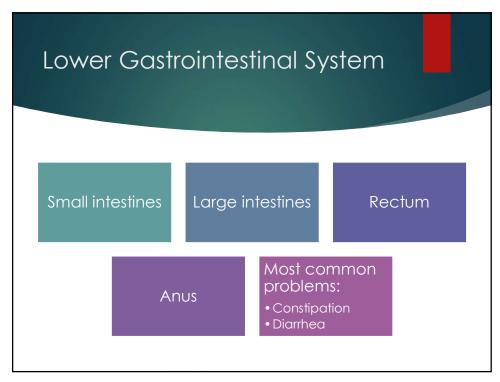
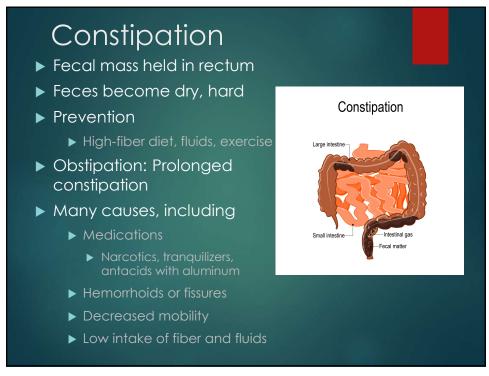
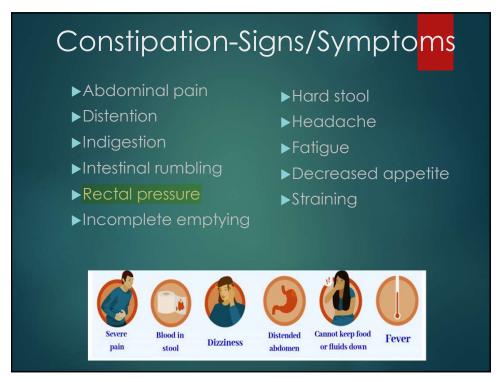


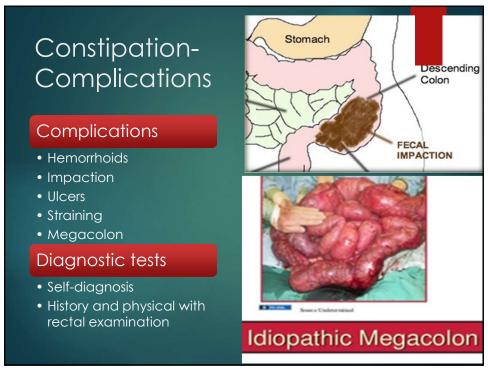
Objectives

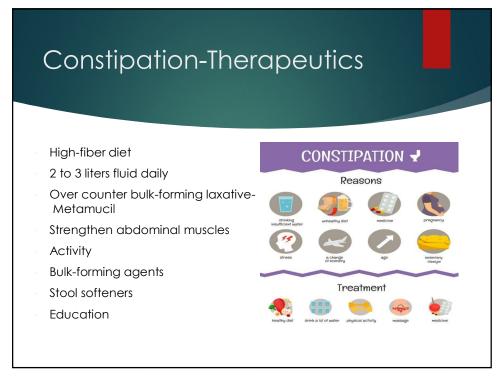
- 1. Describe causes, signs and symptoms, therapeutic measures, nursing care, and teaching for constipation and diarrhea clients.
- 2. Describe pathophysiology, therapeutic measures, nursing care, and teaching for clients with inflammatory and infectious disorders of the lower gastrointestinal tract.
- 3. Describe causes, signs and symptoms, therapeutic measures, nursing care and teaching for clients with intestinal obstruction, abdominal hernia, absorption problems, anorectal problems, gastrointestinal bleeding, and colon cancer.
- 4. Plan nursing care and teaching for a client with an ostomy

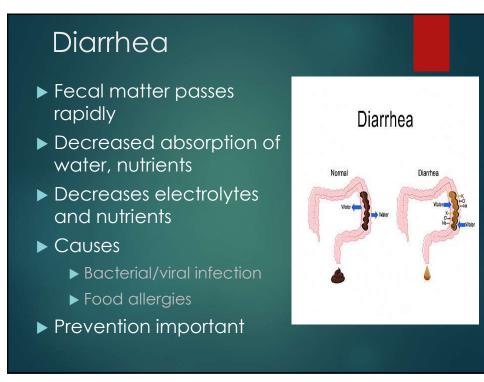


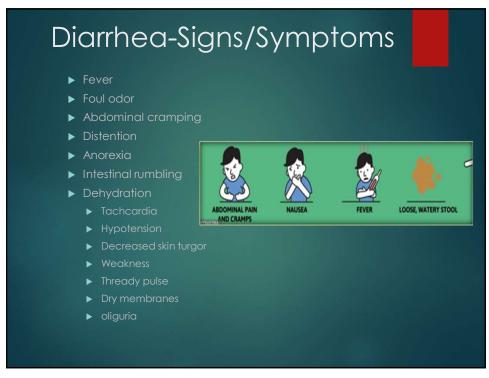




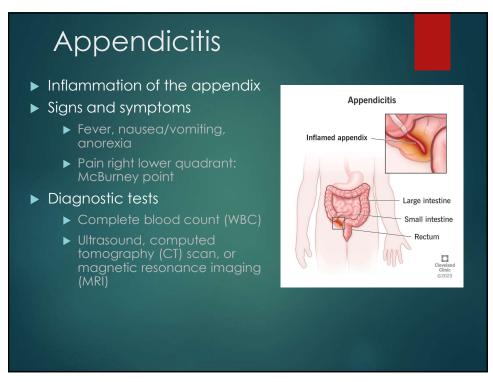


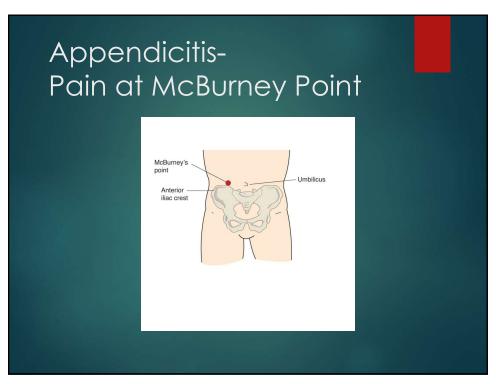






Diarrhea-Therapeutics Identify cause. Replace fluids/electrolytes. Increase fiber/bulk. Assess for dehydration Medications Diphenoxylate (Lomotil), loperamide (Imodium) Probiotic (Lactinex) restores normal flora Antimicrobial agents for infection

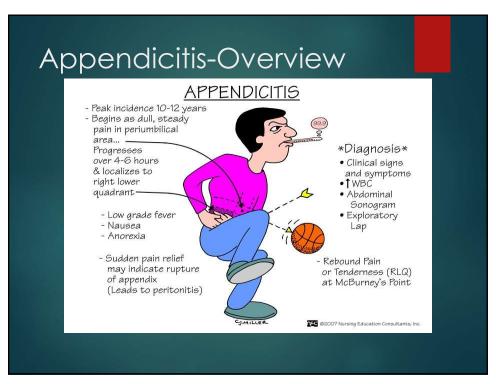


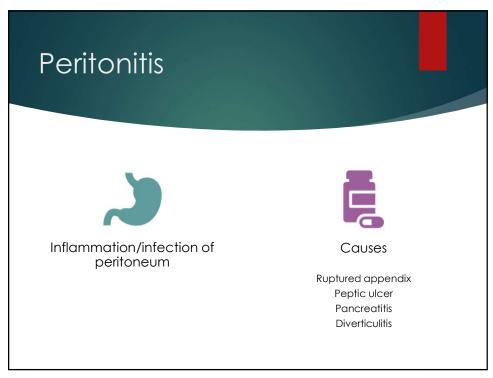


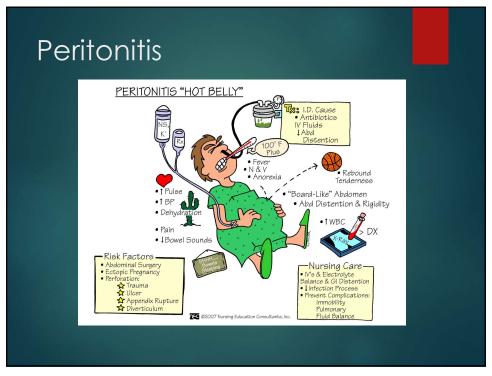
Appendicitis-Therapeutics

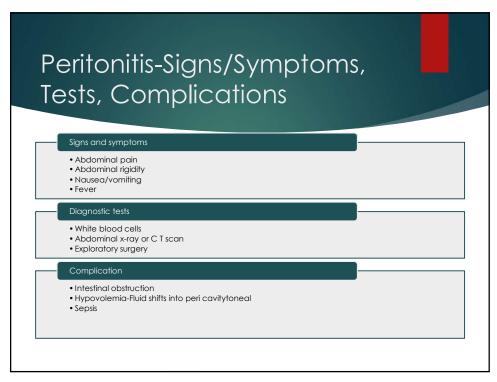
- Nothing by mouth (NPO)
- Surgery
- Complications
 - Abscess
 - Peritonitis
 - If the appendix ruptures-Maintain a Semi-flowers position to allow purulent drainage to stay in the abdomen!
 - Keeping drainage below diaphragm promotes lung expansion.

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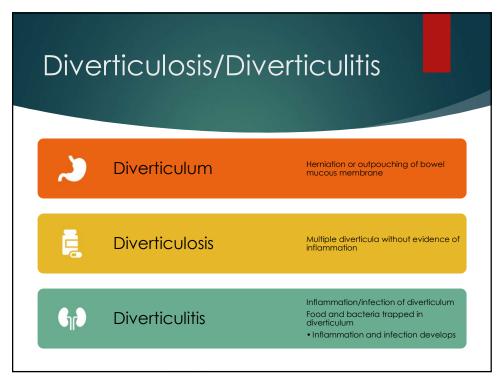


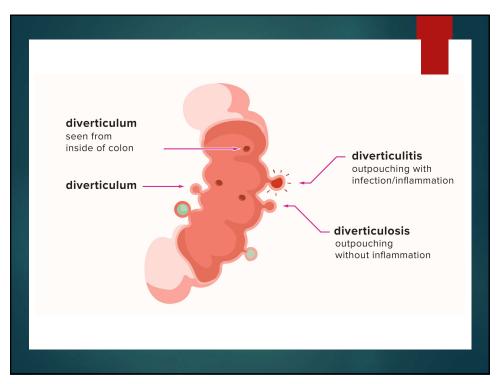


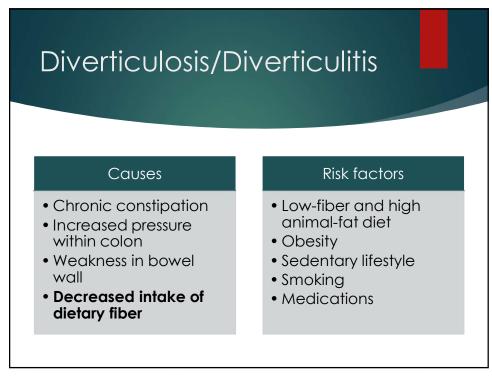




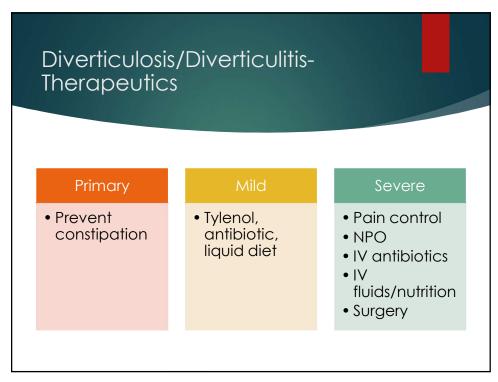
Peritonitis-Therapeutics Therapeutic interventions NPO! Fluid/electrolyte replacement Nasogastric (NG) or orogastric tube Antibiotics Surgery Pain management



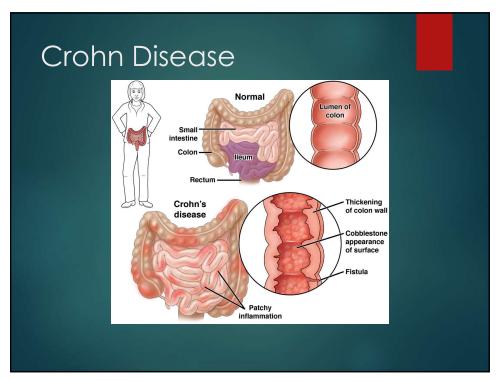


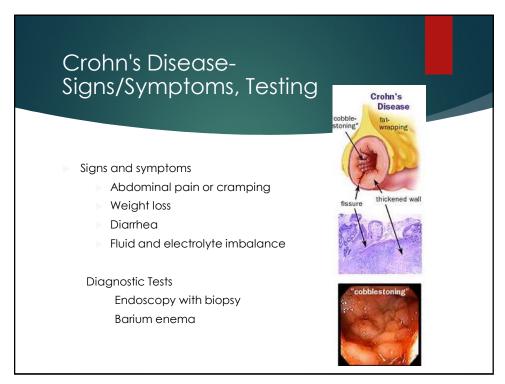


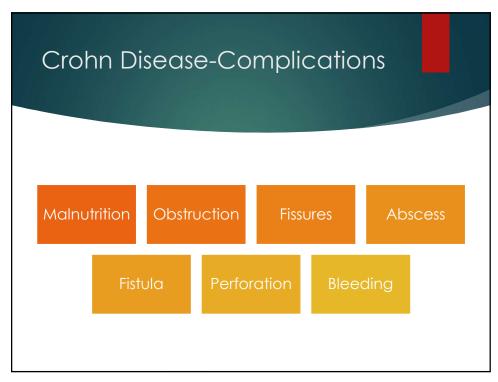
Diverticulosis/DiverticulitisSigns/Symptoms, Tests Signs and symptoms No symptoms Constipation, possibly diarrhea Cramping Bleeding Abdominal tenderness Diagnostic tests Flexible sigmoidoscopy or colonoscopy C T scan

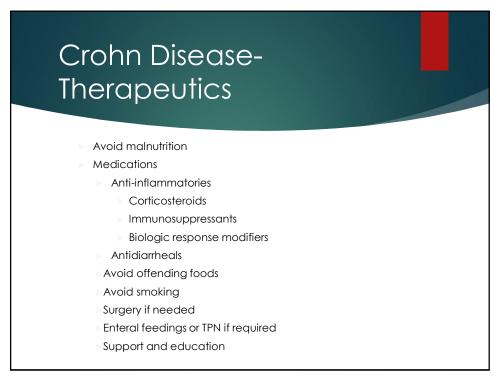


Crohn Disease Commonly called Crohn's disease Inflammation of GI Tract with alternate healthy and inflamed areas Can occur anywhere in GI Tract End of Ileum or first part of large intestine-most common Autoimmune inflammatory bowel disease Involves any part of the intestine Cause Unknown More in women than men Hereditary Smoking increases risk! Remissions and exacerbations Physical or psychological stress may trigger exacerbations

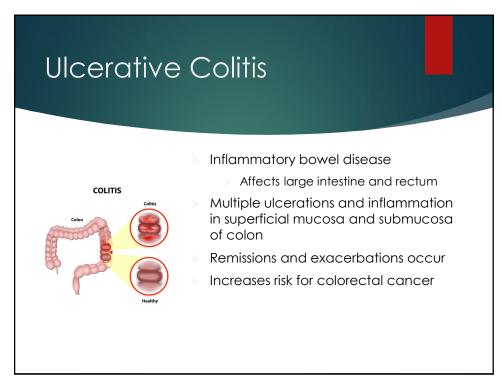










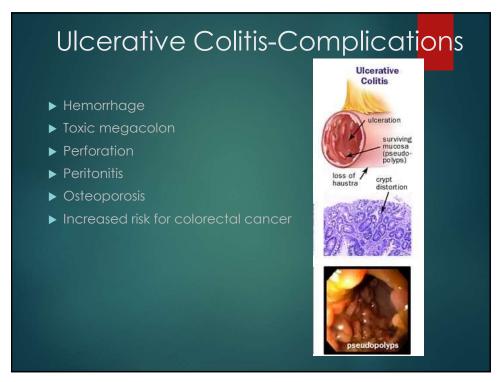


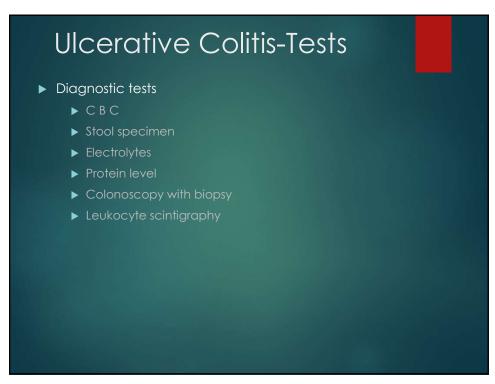
Ulcerative Colitis-Causes

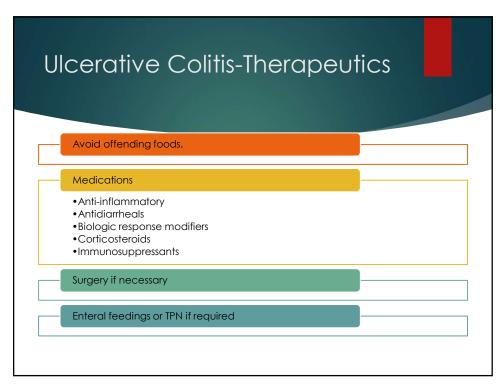
- Exact cause unknown
- Infection, allergy, and autoimmune response possible causes
- **Environmental**
 - Pesticides
 - Tobacco
 - Radiation
 - Food additives may exacerbate
- Diet and psychological stress may trigger

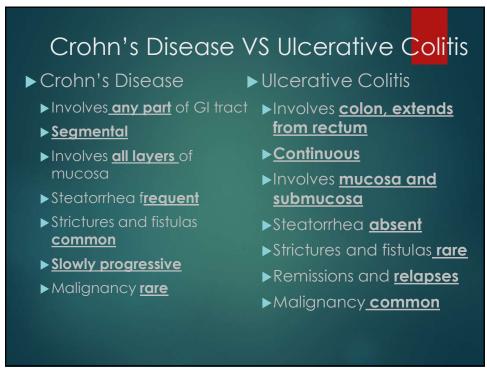
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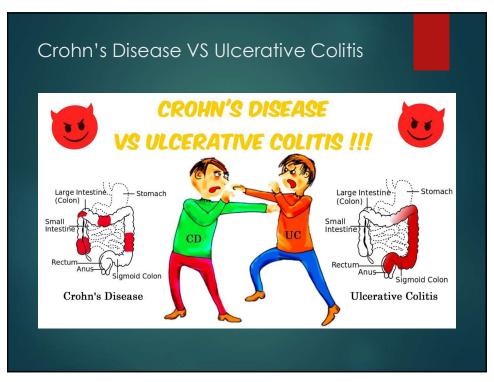
Ulcerative Colitis-Signs/Symptoms Abdominal pain 5 to 10 liquid stools daily Rectal bleeding Fecal urgency Anorexia Weight loss Cramping Vomiting Fever Dehydration

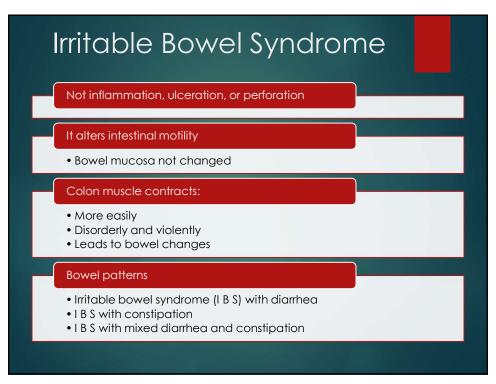






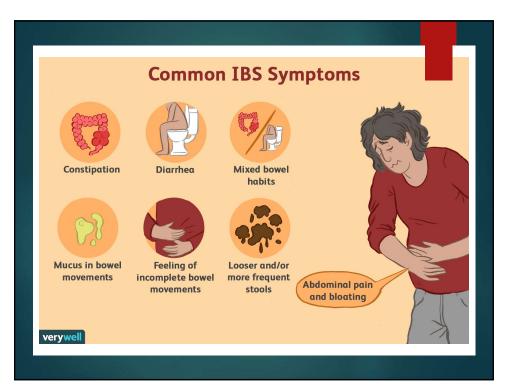


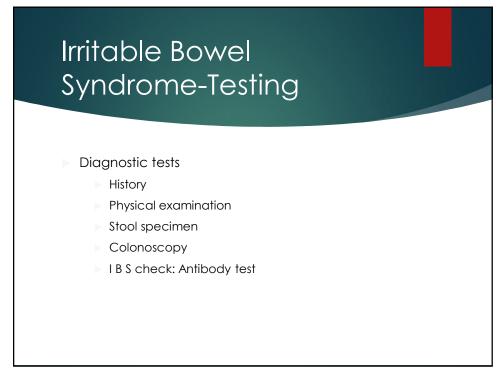


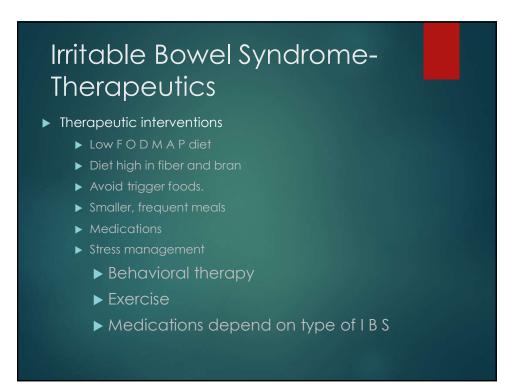


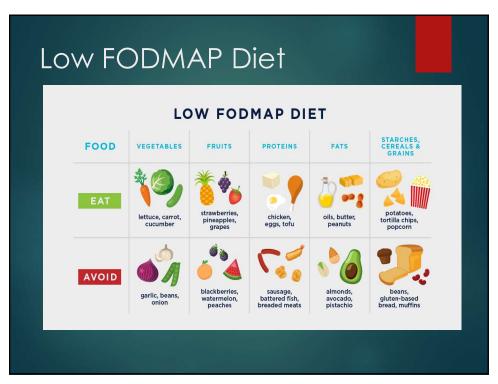


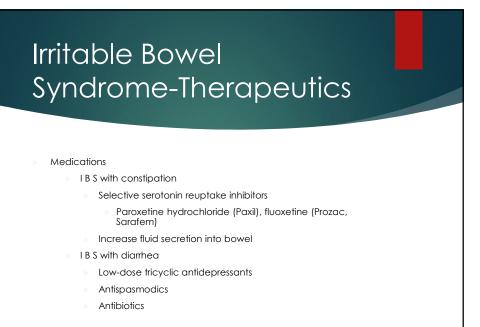


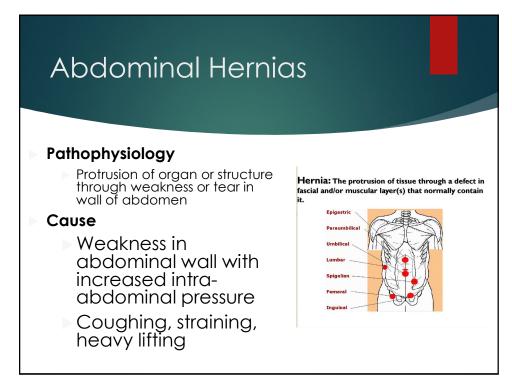


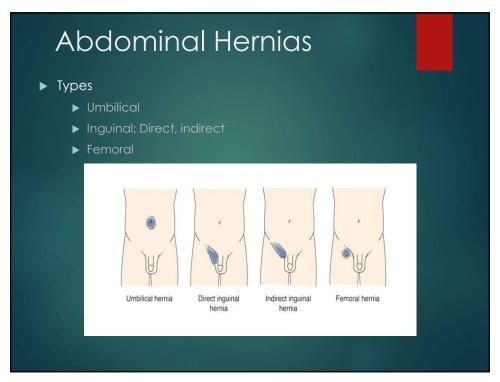


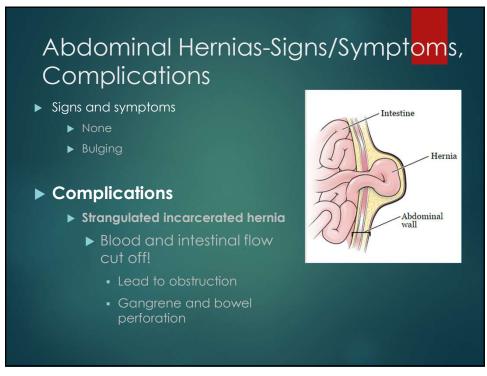




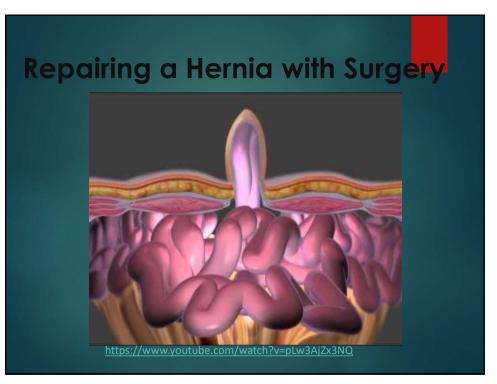


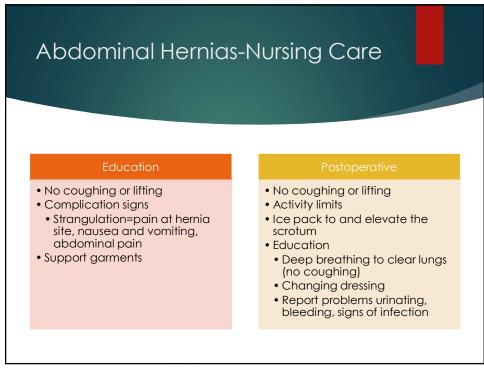




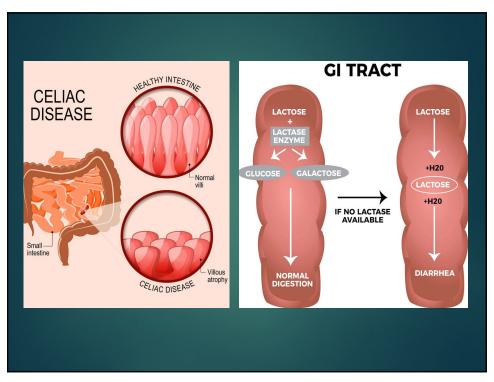






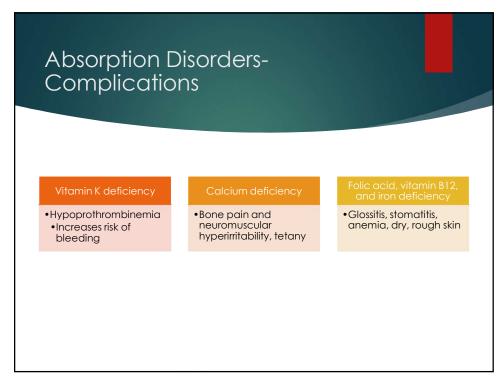


Absorption Disorders Inability to absorb one or more major nutrients Carbohydrates, fats, or proteins Causes Ileus dysfunction, jejunal diverticula, parasitic disease, enzyme deficiency Types Celiac disease Gluten sensitivity Malabsorption of protein in wheat, barley, and rye Lactose intolerance Lactase deficiency Malabsorption of lactose in milk products



Absorption Disorders-Signs/Symptoms

- Related to malabsorption
 - Weight loss
 - Weakness, Fatigue
 - Celiac Disease
 - None, frequent loose, bulky, foul stools
 - Gray in color
 - Increased fat content
 - Lactose intolerance
 - Abdominal cramping, excessive gas, loose stools after eating milk products

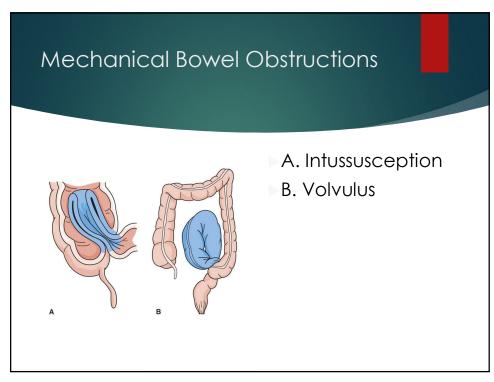


Absorption DisordersTherapeutics Nursing care Monitor Fluids, electrolytes, nutritional status Daily weight Intake and output Education Celiac Disease High protein, high calorie, gluten-free diet Lactose Intolerance Avoid dairy products, Lactaid when diary cannot be avoided

Intestinal Obstruction Nonmechanical Mechanical contents is blocked Partial or • Blockage occurs Peristalsis impaired complete within the intestine Bowel sounds blockage Bowel sounds absent high- Abdominal pitched/tinkling surgeries, Adhesions, twisting of bowel, trauma, mesenteric strangulated ischemia, hernia infection

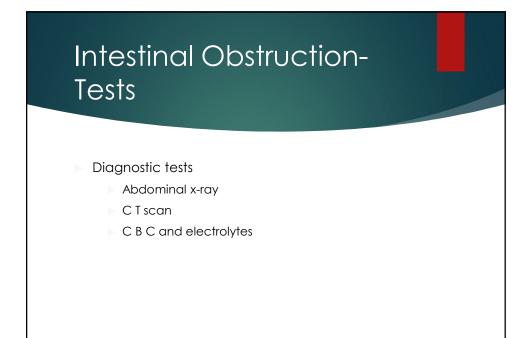
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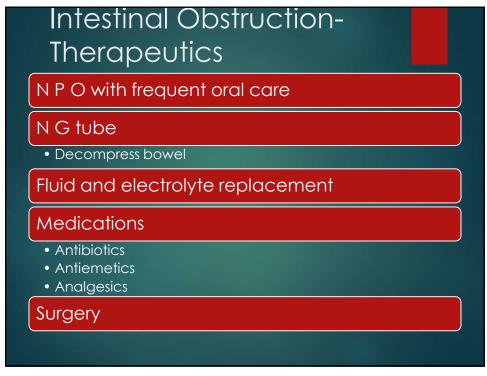
Intestinal Obstruction • Collection of intestinal contents, gas, fluids proximal to obstruction Causes • Post abdominal surgery • Loops of intestine adhere to areas in abdomen that are not healed • Adhesions or bands of scar tissue • Most common cause • Acquired from previous surgery or inflammation • Hernias, neoplasms, inflammatory bowel disease, foreign bodies, strictures, volvulus, intussusception

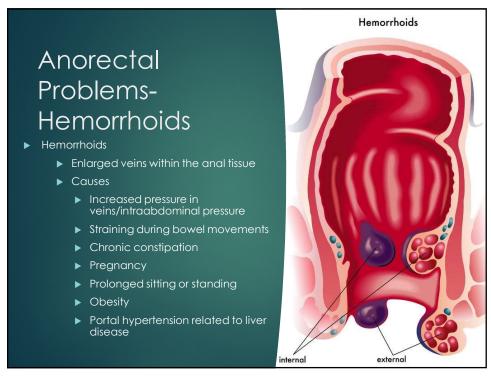


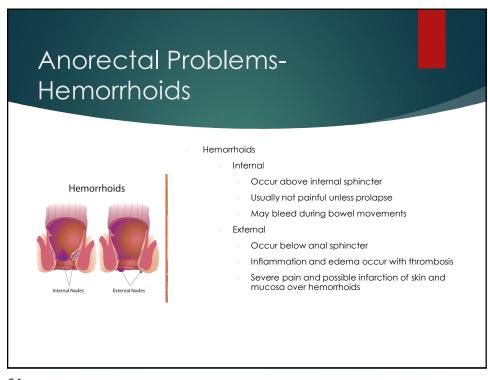
Intestinal Obstruction-Signs/Symptoms

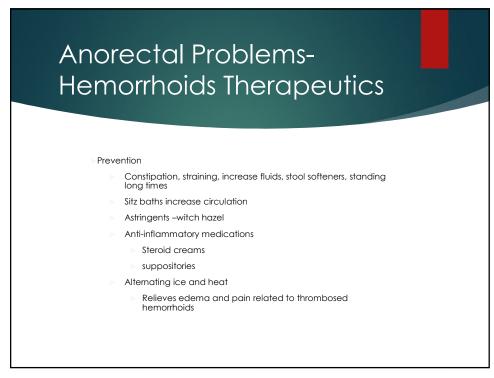
- Signs and symptoms
 - Wave-like abdominal pain
 - ▶ Blood and mucus per rectum
 - Feces and flatus cease
 - Fecal vomiting may occur:
 - Stops as the obstruction becomes worse
 - Abdominal distention
 - Fluid/electrolyte imbalance

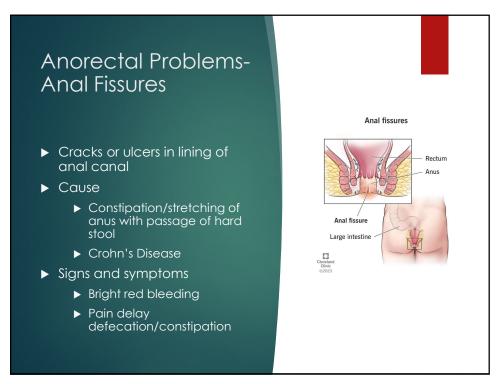


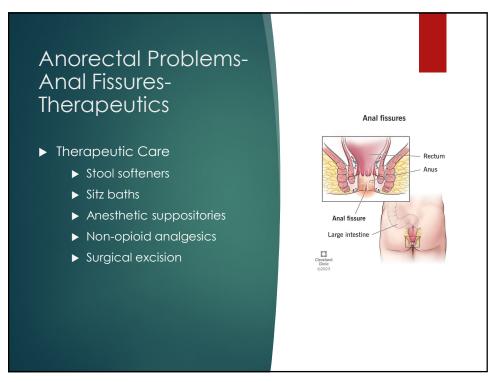


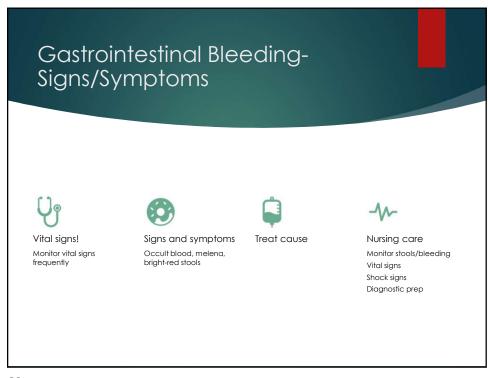


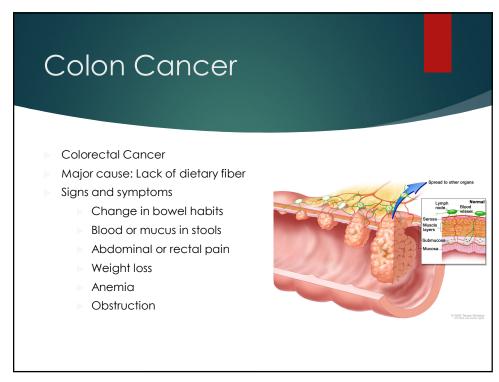


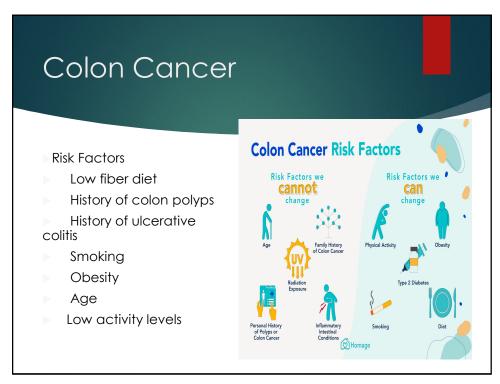


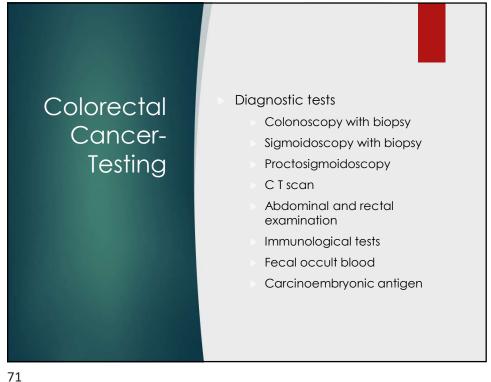




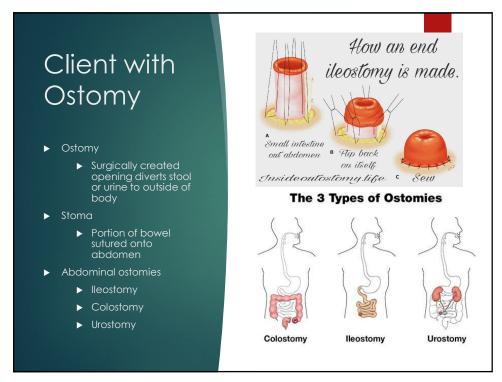


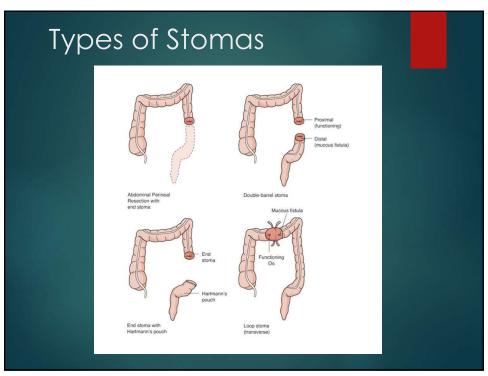


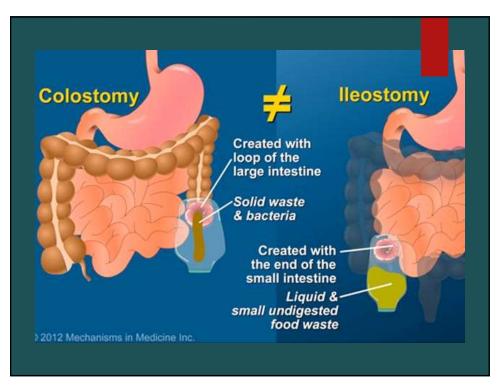


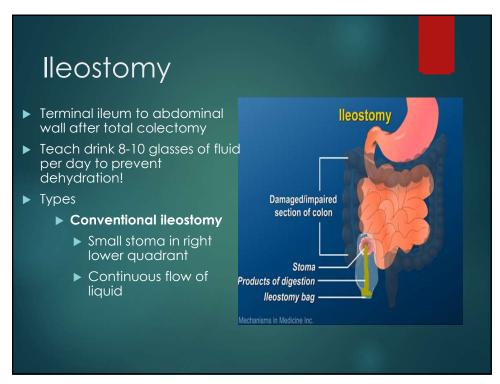


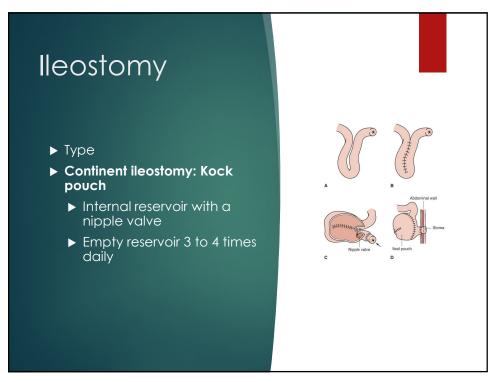
Colorectal Cancer-Therapeutics Therapeutic interventions Surgery Resection Abdominoperineal resection Colostomy Postoperative care Radiation Chemotherapy Monoclonal antibody therapy Analgesics Parenteral nutrition as necessary Support and education

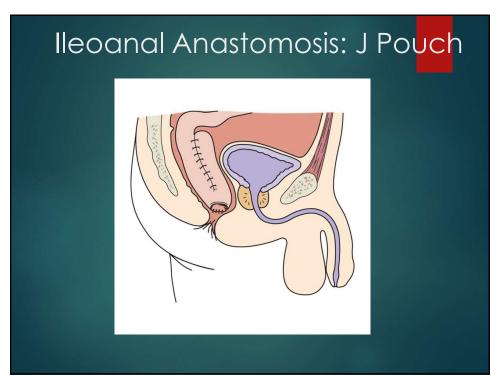


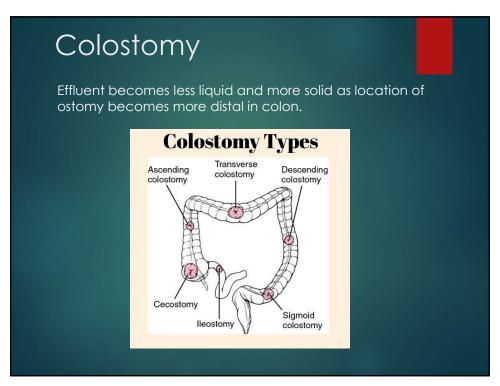


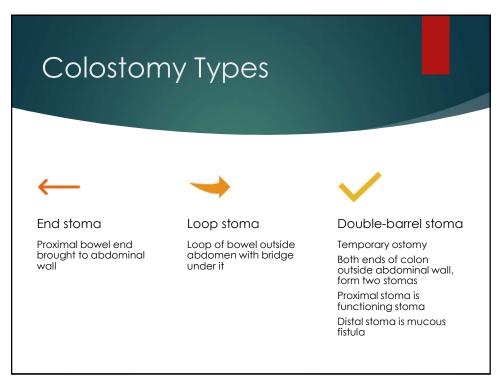


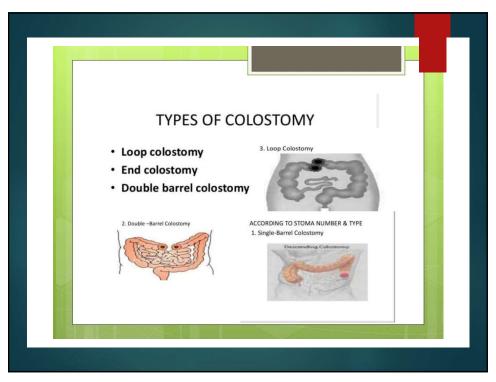


















Which of these interventions should the nurse contribute to the plan of care for constipation prevention? **Select all that** apply.

- 1. High-fiber diet
- 2. Fluids
- 3. Exercise
- 4. High-carbohydrate diet
- 5. Low-protein diet

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Review Question

What findings would be consistent with a client experiencing an appendicitis? Select All That Apply

- Fever
- 2. Nausea/vomiting
- 3. Anorexia
- 4. Pain at McBurney's point

Which of these signs/symptoms would the nurse expect during data collection for a patient with ulcerative colitis? **Select all that apply.**

- 1. Anorexia
- 2. Calf pain
- 3. 5 to 20 stools daily
- 4. Rectal bleeding
- 5. Urinary urgency

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Review Question

Which of below would a client with celiac disease want to avoid? **Select all that apply.**

- 1. Bean burrito in flour tortilla
- 2. Bran cereal with barley
- 3. Grilled cheese sandwich on wheat bread
- 4. Reuben sandwich on rye bread

The nurse understands that which of these occurs with a mechanical bowel obstruction? **Select all that apply.**

- 1. Blockage occurs within the intestine.
- 2. Peristalsis decreases or stops.
- 3. Bowel sounds are high pitched.
- 4. Diarrhea occurs.
- 5. Bowel sounds are absent.

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Review Question

Which stoma color indicates an inadequate blood supply and is a priority for the nurse to report?

- 1. Black
- 2. Bluish
- 3. Pink
- 4. Red

The nurse is caring for a client with colon cancer. Which statement by the client would indicate more education is required?

- "My history of ulcerative colitis may have put me at risk for colon cancer."
- "I always feared the colon polyps 10 years ago may lead to colon cancer."
- 3. "My wife always told me that I needed to stop smoking before it lead to cancer...I suppose she may have been right all along."
- 4. "I only I had eaten a high fiber diet more...I may not have had colon cancer."