

DISORDERS OF GI FUNCTION

Objectives:

1. Describe the major manifestations and symptoms of IBS and IBD and compare and contrast the two.
2. Compare and contrast the characteristics, symptoms, and manifestations of the two types of IBD (Crohn's disease and ulcerative colitis).
3. Discuss the treatment options for the inflammatory bowel diseases.
4. Describe the effects of the Rotavirus and Clostridium difficile to cause infectious enterocolitis.
5. Explain the mechanism of Escherichia coli to cause infectious enterocolitis and describe the contributions to HUS and DIC.
6. Describe the causes and manifestations of diverticular disease.
7. Discuss the pathophysiology of intestinal obstruction.
8. Explain the pathophysiology of celiac disease.
9. Describe how Sjogrens, diverticula, lacerations, and hiatal hernia can contribute to swallowing dysfunction.
10. Explain what gastroesophageal reflux disease (GERD) is and the manifestations of this condition. Discuss Barrett's esophagus and Zollinger-Ellison syndrome.
11. Recall common treatments for gastroesophageal reflux disease. Explain what Helicobacter pylori is and how it causes gastritis
12. Explain the different types of ulcers and the common causes of ulcers.

Vocabulary:

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| <ul style="list-style-type: none">• Barrett's esophagus• Celiac disease• Clostridium difficile colitis• Crohn's disease• Diverticular disease• Escherichia coli 0157:H7• Gastritis (acute and chronic)• Gastroesophageal reflux disease (GERD)• Gluten and gliadin | <ul style="list-style-type: none">• Helicobacter pylori• Hemolytic uremic syndrome (HUS)• Hiatal hernia• Inguinal hernias• Infectious enterocolitis• Inflammatory bowel disease (IBD)• Irritable bowel syndrome (IBS)• Intussusception• Lower esophageal sphincter (LES) | <ul style="list-style-type: none">• Peptic ulcers• Mallory-Weiss syndrome• Non-celiac gluten sensitivity• Rotavirus• Shiga toxin• Systemic mastocytosis• Ulcerative colitis• Urease• Volvulus• Wheat allergy |
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| Disorders of GI Function Part I |
| GI Tract Anatomy |
| Irritable Bowel Syndrome (IBS) |
| Inflammatory Bowel Disease |
| Infectious Enterocolitis |
| Clostridium difficile Colitis |
| E. Coli 0157:H7 and HUS |
| Disorders of GI Function Part II |
| Diverticular Disease |
| Intestinal Obstruction |
| GI Issues Involving Gluten |
| Disorders of the Esophagus |
| Gastroesophageal Reflux Disease (GERD) |
| Gastritis |
| Peptic Ulcers |



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