

GI: Part 2

Disorders of Absorption and Elimination

Lower Gastrointestinal Problems

I. Diarrhea

- Passage of at least 3 loose or liquid stools per day
- Acute vs Chronic:

Etiology and Pathophysiology

- Viral, Bacterial, Parasitic

Antibiotic Related Diarrhea

Clostridium difficile infection

- HAI vs Community Acquired
- Colonized vs Infected

- Dx:

- Tx:

- Isolation Precautions:

II. Fecal Incontinence

- Involuntary passage of stool

- Diagnostics

Treatment

III. *Constipation*

- Difficult or infrequent bowel movements
- Constipation is a SYMPTOM not a disease
 - o Acute

 - o Chronic

Causes

Signs and Symptoms

Diagnosis

Treatment

Drug Therapy for Constipation:
Saline and Osmotic Solutions

- Examples:

Drug Therapy for Constipation:
Stimulants

- Examples:

Bulk Forming

Psyllium

Lubricant

Stool Softeners

IV. *Acute Abdominal Pain*

Etiology and Pathophysiology

- May signal a life-threatening problem
- Causes include:

Signs and Symptoms

Diagnostics

Treatment:

V. *Chronic Abdominal Pain*

Diagnosis:

Treatment:

VI. Irritable Bowel Syndrome

VII. Inflammatory Disorders

Appendicitis

Complications:

Appendicitis s/sx:

Appendicitis: Diagnostics

Appendicitis: Treatment

Postop care:

If perforated:

Peritonitis

Results from localized or generalized inflammatory process of peritoneum

- Primary Peritonitis-
- Secondary peritonitis (more common)-

Peritonitis Complications

Peritonitis: Diagnostics

Gastroenteritis

Treatment:

VIII. *Inflammatory Bowel Disease (IBD)*

Chronic inflammation of GI tract characterized by periods of remission and exacerbation

Crohn's Disease

Ulcerative Colitis

S/Sx that are similar in both UC and Crohn's:

Crohn's Disease: S/Sx

Ulcerative Colitis: S/Sx

Mild Disease:

Moderate disease:

Severe disease:

Diagnostics:

IBD: Management

IBD: Drug Therapy

IBD: Surgical Therapy

IBD: Complications

Local

Systemic

IX: *Bowel Obstruction*

Mechanical Intestinal Obstruction

Non-mechanical Intestinal Obstruction

Etiology and Pathophysiology:

S/Sx

Diagnostics

Treatment

X: *Polyps of the Large Intestine*

Hyperplastic polyps:

Adenomatous polyps:

Diagnostics:

Treatment:

XI. Colorectal Cancer

Classification of Tumors

Stage 0-

Stage I-

Stage II-

Stage III-

Stage IV-

Colorectal Cancer: S/Sx

Colorectal Cancer: Diagnostics

Colorectal Cancer: Treatment

XII. Common intestinal surgical procedures

Surgical resection:

- Remove Cancer

- Treat

- Repair

Bowel Resection

- The unhealthy part of your colon is removed, and the healthy parts are sewn back together.

Pre-Op

Right hemicolectomy

Left hemicolectomy

Colectomy

Ostomy

Ileostomy

Sigmoid colostomy

Types of Ostomies

- Permanent Ostomy: Continent

Continent ileostomy

End stoma

Loop stoma

Double-barrel stoma

- Psychological preparation and emotional support
- Education
- Stoma site selection
- Postoperative Care
- Colostomy function

- Ileostomy function

- Anal canal

- Sexual function

- Colostomy Care

 - Patient and caregiver education

 - Pouching system

- Ileostomy Care

 - Pouching system

- Healthy diet

XIII. *Diverticular Disease*

- Diverticula vs Diverticulosis vs Diverticulitis

- Diverticular Disease: S/Sx

Diverticulosis:

Diverticulitis:

- Diverticular Disease: Diagnostics

- Diverticulitis complications

- Acute Diverticulitis:

XIV. *Fistulas*

- Fistulas

Simple or complex

- Fistulas Signs and Symptoms

- Treatment:

XV: Hernias

- Hernias

Reducible

Irreducible or incarcerated

- Hernia Types

Umbilical

Femoral

Inguinal

Ventral or incisional

- Hernias: S/Sx

- Hernias: Diagnosis and Treatment

- Hernias:
Nursing Interventions

- Postop Hernia Repair

XVI. Malabsorption Syndrome

- Celiac Disease

- Lactase Deficiency

- Short Bowel Syndrome

- Malabsorption Syndrome

Treatment

- Celiac Disease

Celiac Disease: Etiology and Patho

Celiac Disease: S/Sx

Celiac Disease: Diagnostics

Celiac Disease: Treatment and Teaching

- Lactase Deficiency

May be due to:

Primary lactase deficiency

Lactose malabsorption

- Lactase Deficiency: S/Sx

Diagnostics:

Treatment:

- Short Bowel Syndrome

Short Bowel Syndrome: S/Sx

Short Bowel Syndrome: Treatment

XVII: Anorectal Problems

- Hemorrhoids

External hemorrhoids:

Internal hemorrhoids:

Treatment:

- Anal Fistula

- Anorectal Abscess

- Anal Cancer

- Pilonidal Sinus

- Anal Fissure