

Ostomy Anatomy

and Overview

Presentation Prepared For:
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What is an Ostomy?

- Ostomy = stoma
- Stomas vary in shape and size
- A surgically created opening to create an artificial passage for bodily elimination
- No sphincter – no control of output
- Must wear a pouch



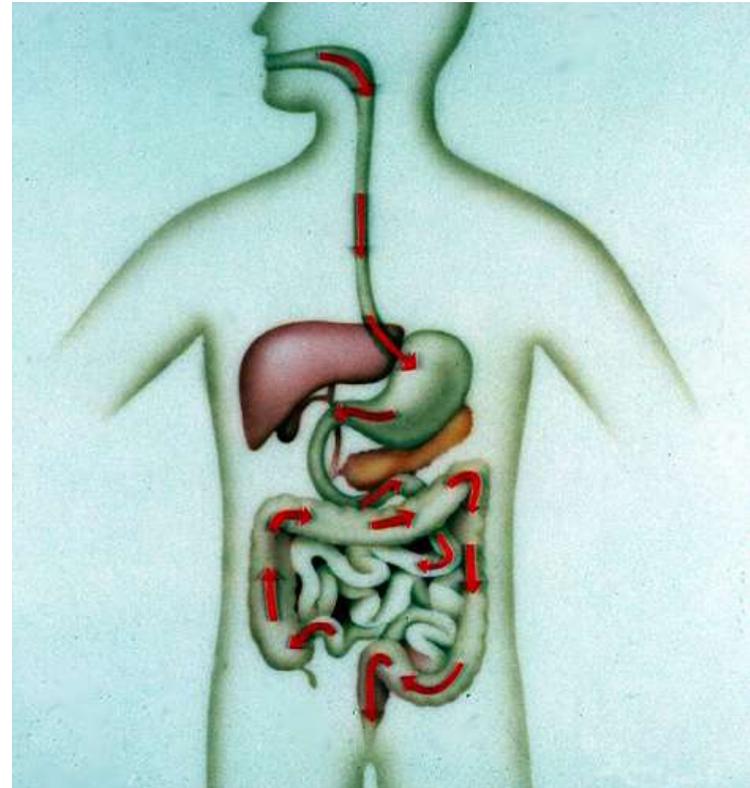
Characteristics of Normal Stomas

- Red and moist
- Ideally stoma should protrude
- Ideally stoma opening should be centered
- May have one or two openings
- Stoma size can change
- Peristomal skin should be intact



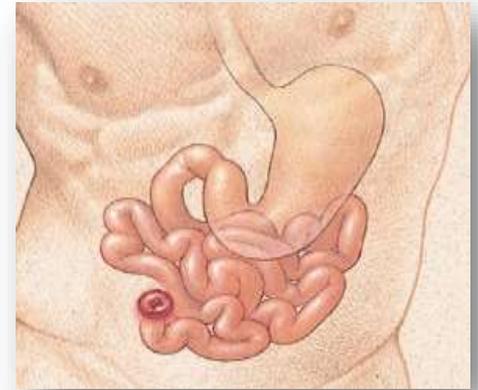
Anatomy Review: The GI Tract

- Upper Tract
- Small Intestine
 - Duodenum
 - Jejunum
 - Ileum
- Large Intestine
 - Cecum
 - Ascending colon
 - Transverse colon
 - Descending colon
 - Rectum



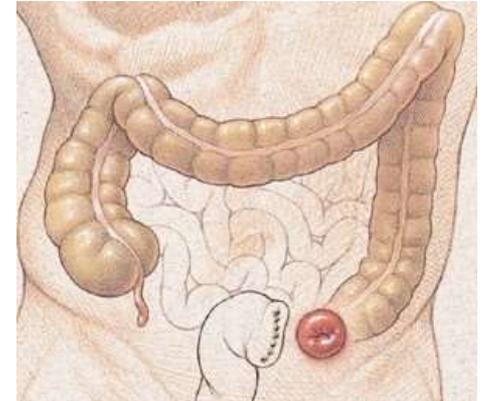
Gastrointestinal Stomas: Ileostomy

- Opening into the ileum
- Output
 - Liquid to pasty
 - Digestive enzymes
- Usually located on the right lower quadrant
- Drainable Pouch



Gastrointestinal Stomas: Colostomy

- Opening into the colon
- Colostomy
 - Ascending
 - Transverse
 - Descending
- Output
 - Varies: liquid → formed
 - Gas common
 - Odor may be a concern
- Drainable Pouch



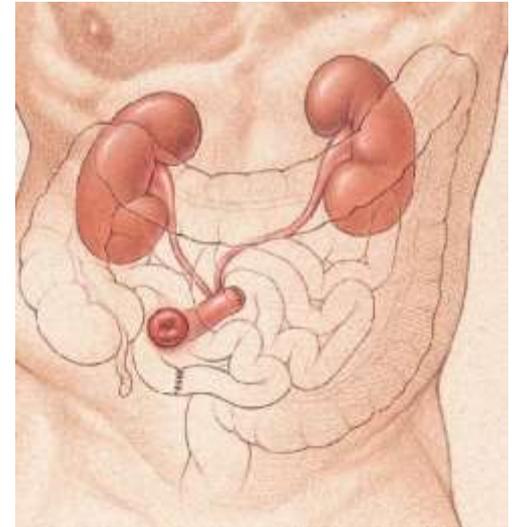
Anatomy Review: The GU System

- Kidneys
- Ureters
- Bladder
- Urethra
- Sphincters



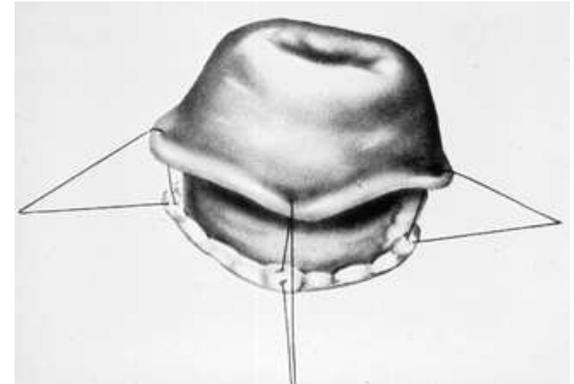
Urostomy or Urinary Stoma

- Opening into the urinary system
 - Ileal conduit
- Output
 - Urine
 - May contain mucous
- Stents
 - May be in place post-operatively



Stoma Construction Types

- End
 - One stoma, one opening
- Loop
 - One stoma, two openings
 - Proximal functioning opening
 - Distal nonfunctioning opening



Diseases and Conditions

- Inflammatory Bowel Disease
 - Crohn's Disease
 - Chronic Ulcerative Colitis
- Cancer
 - Rectum
 - Bladder
- Diverticulitis
- Familial Polyposis
- Trauma
- Congenital Conditions
 - Hirschsprung's Disease (Megacolon)
 - Necrotizing Enterocolitis
- Spinal cord injury



Thank you

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