



## **Digestive System**

- Also called Gastrointestinal System (GI)
- Function

Component 3/Unit 6

- Digestion of food
- Absorption of nutrients
- Elimination of solid wastes

SEER Training Modules, Anatomy & Physiology. U.S. National Institutes of Health, National Cancer Institute. 6/27/2010 <a href="http://training.seer.cancer.gov/anatomy/digestive/>

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## Salivary Glands

Location

- Oral cavity
- Function
  - Produce saliva
    - Allow food to be swallowed without choking
  - Saliva + food = bolus
    - Contains amylase
      - Aids in digestion of carbohydrates

Component 3/Unit 6









# Cholelithiasis (Gallstones)

- · Form when substances in bile harden
- Symptoms
  - Nausea
  - Vomiting
  - · Pain in the abdomen, back, or just under the right arm.
- · Most common among older adults, women, overweight people, Native Americans and Mexican Americans
- Treatment

Component 3/Unit 6

· Surgical removal of the gallbladder

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# Crohn's Disease

- · Regional enteritis or regional ileitis
- Inflammation of the digestive system ٠
- Often affects the lower part of the small intestine
- Can occur in people of all age groups ٠
- Most often diagnosed in young adults
- Common symptoms include
- Pain in the abdomen and diarrhea
- Bleeding from the rectum, weight loss, joint pain, skin problems and fever Intestinal blockage and malnutrition
- Treatment

Component 3/Unit 6

Medicines, nutrition supplements, surgery or a combination

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6

<ul> <li>an/o</li> <li>chol/e</li> <li>cholecyst/o</li> <li>col/o</li> </ul>	System Combi anus bile, gall gallbladder colon	anal cholelithiasis cholecystitis colostomy
<ul><li>enter/o</li><li>esophag/o</li></ul>	small intestine esophagus	enteritis esophageal
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Digestive System Combining Forms			
<ul> <li>gastr/o</li> <li>hepat/o</li> <li>jejun/o</li> <li>lapar/o</li> <li>lith/o</li> <li>or/o</li> <li>proct/o</li> </ul>	stomach liver jejunum abdomen stone mouth anus and rectum	gastritis hepatitis jejunal laparotomy cholelithiasis oral proctologist	
<ul><li> pylor/o</li><li> rect/o</li></ul>	pylorus rectum	pyloric rectal	
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## Tell me, Detective . . .

- Jane is 25 and is having abdominal pain, diarrhea and rectal bleeding for the last several days. In talking with her doctor, she tells him that there is a family history of having digestive problems. These symptoms are indicative of:
  - Peptic Ulcer
  - Cholelithiasis
  - Crohn's Disease

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Component 3/Unit 6

21

