Digestive System

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Objectives

• Define and understand the key terms associated with the digestive tract and the procedures performed in this section
• Understand the anatomy associated with the procedures performed in this section
• Explain the organization and content of the CPT® Surgery/Digestive System subsections
• Learn to assign appropriately CPT® surgery codes from the digestive subsection
Digestive System Terms

• Gastroenterology

• Digestion

• Absorption

• Mastication

Digestive System

• Lips
  – Entrance to the oral cavity

• Teeth
  – Begin mechanical digestion via chewing
    – 20 Deciduous teeth
    – 32 Permanent teeth

• Gums

• Tongue
  – Muscle
  – Facilitates chewing and swallowing
Digestive System

• Pharynx
  – Conduit for respiration and digestion
  – Composed of:
    • Nasopharynx
    • Oropharynx
    • Laryngopharynx

• Esophagus
  – Conduct food from the pharynx to the stomach
  – Peristaltic action moves the food

Digestive System

Stomach:
  – Cardia
  – Fundus
  – Pylorus (antrum)
  – Body
Digestive System

• Small Intestine (small bowel)
  – Duodenum
  – Jejunum
  – Ileum

• Large Intestine (large bowel)
  – Cecum (appendix attached)
  – Colon
    • Ascending colon
    • Transverse colon
    • Descending colon
    • Sigmoid colon
    • Rectum
    • Anus

Digestive System

• Spleen
  – Blood-forming early in life
  – Acts as a storage organ and filter for blood later in life

• Pancreas
  – Endocrine and exocrine organ
  – Secretes insulin into the bloodstream
Digestive System

• Liver (Hepatic)
  – Largest organ and largest gland
  – Vital functions include:
    • Storage of glucose as glycogen, fat-soluble vitamins, and vitamin B12
    • Making of plasma proteins
    • Excretion of bilirubin, cholesterol and drugs
    • Metabolism of carbohydrates, protein and fats
    • Making of bile salts
    • Detoxification of drugs and other harmful substances

• Gallbladder

ICD-9-CM

• Chapter 1 – Infectious and Parasitic Diseases
• Chapter 2 – Neoplasms
• Chapter 9 – Disease of the Digestive System
• Chapter 14 – Congenital Anomalies
• Chapter 16 – Signs, Symptoms, and Ill-Defined Conditions
Disease of the Digestive System

- Dental Specialists:
  - General dentist
  - Periodontist
  - Endodontist
  - Orthodontist
  - Oral Surgeon

Diseases of the Digestive System

- GERD
- Appendix
  - Appendicitis (540-543)
  - Peritonitis (540.0)
  - Abscess (540.1)
Diseases of the Digestive System

• Hernia of the abdominal cavity (550-553)
  – Inguinal
  – Femoral
  – Umbilical
  – Abdominal
  – Diaphragmatic
• Diverticula of intestine (562)
  – Diverticulosis
  – Diverticulitis
• Fissures and fistulas

Diseases of the Digestive System

• Hepatitis
  – Acute
  – Chronic
  – Classifications
• Cirrhosis
  – Hepatitis
  – Chronic Alcoholism
Diseases of the Digestive System

• Cholelithiasis

• Cholecystitis

• Neoplasms

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• Organized by anatomic site and procedure

• Endoscopy
  – Visualization of a hollow viscus or canal by means of an endoscope or scope
  – Laparoscope is an endoscope
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• Lips (40490-40799)
  – Vermilionectomy
  – Cheiloplasty
• Vestibule of Mouth (40800-40899)
  – Vestibuloplasty
  – Repair of lacerations
  – Frenectomy

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• Tongue and Floor of Mouth (41000-41599)
  – Incision
    • Intraoral I & D
    • Extraoral I & D
    • Frenotomy
  – Excision
    • Biopsy
    • Excision of Lesion
    • Removal of all or part of tongue
  – Repair
CPT®

• Dentoalveolar Structures (41800-41899)
  – Gums (or soft tissue structures)
  – Bone that anchor the teeth
• Palate and Uvula (41870-41899)
  – Roof of the mouth
  – Uvula – posterior edge of the middle of the soft palate
• Salivary gland and ducts (42300-42699)
  – Codes based on gland

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• Pharynx, Adenoids and Tonsils (42700-42999)
  – Tonsillectomy
  – Adenoidectomy
  – Biopsy
  – Pharyngoplasty
  – Pharyngostomy
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• Esophagus (43020-43499)
  – Incision
    • Esophagotomy – based on approach
    • Cricopharyngeal myotomy
  – Excision
    • Lesion excision – based on approach
  – Endoscopy
    • Include moderate sedation
    • Watch indented codes...brackets may be useful here
    • ERCP – Endoscopic Retrograde Cholangiopancreatography

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• Esophagus (43020-43499) cont.
  – Repair
    • Codes selected based on approach
  – Manipulation
    • Dilation of esophagus
    • Report S & I in addition
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• Stomach (43500-43999)
  – Incision
    • Foreign body removal
    • Excision of stomach tumor
  – Excision
    • Gastrectomy
      – Total or partial
      – Additional procedures performed
  – Introduction
    • Placement, changing and repositioning of feeding tubes
• Bariatric Surgery
• Other Procedures

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• Intestines (except rectum (44005-44779)
  – Incision
    • Biopsy
    • Exploration
  – Excision
    • Enterectomy
  – Laparoscopy
• Enterostomy (44300-44346)
  – Temporary or permanent
  – Classified according to the part of the intestine used to create the stoma

• Endoscopy (44360 – 44397)
  – Include moderate sedation
  – Distinguish if performed through stoma

• Repair (44602-44680)

• Meckel’s Diverticulum and the Mesentery (44800-44899)

• Appendix (44900-44960)
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• Rectum (45000-45999)
  – Incision – drainage of abscesses
  – Excision
    • Proctectomy – partial or complete
  – Endoscopy
    • Proctosigmoidoscopy
    • Sigmoidoscopy
    • Colonoscopy

• Anus (46020-46942)

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• Liver (47000-47399)

• Biliary Tract (47400-47999)

• Pancreas (48000-48556)
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• Abdomen, Peritoneum, and Omentum (49000-49999)
  – Exploratory laparotomy (49000)
  – Drainage of abscess – open or percutaneous
  – Laparoscopy
  – Hernia codes
    • Type of hernia
    • Strangulated or incarcerated
    • Initial or subsequent repair

HCPCS

• Colorectal cancer screening
  – G0104-G0106
  – G0120-G0122
Modifiers

• 50 – Bilateral

• 52 – Reduced services

• 53 – Discontinued procedure

The End