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Altri autori (Persone)	YamadaTadataka AlpersDavid H
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Nota di contenuto	Contents; Contributors; Preface; Part 1 Basic mechanisms of normal and abnormal gastrointestinal function; 1 Integrative responses of the gastrointestinal tract and liver to a meal; 2 The enteric nervous system and its extrinsic connections; 3 Sensory neurons of the gastrointestinal tract; 4 Gastrointestinal hormones and receptors Laurence J. Miller; 5 The brain-gut axis; 6 Smooth muscle of the gut; 7 The mucosal immune system and gastrointestinal inflammation; 8 Epithelia: biological principles of organization; 9 Esophageal motor function 10 The physiology of gastric motility and gastric emptying11 Motility of the small intestine and colon; 12 Motility of the biliary tract; 13 Gastric secretion; 14 Electrolyte secretion and absorption: small intestine and colon; 15 Pancreatic secretion; 16 Bile secretion and cholestasis; 17 Carbohydrate assimilation; 18 Intestinal lipid absorption; 19 Protein digestion and assimilation; 20 Vitamins and minerals; 21 General nutritional principles; 22 Gastrointestinal blood flow; 23 Development of the gastrointestinal system; 24 Neoplasia of the gastrointestinal tract 25 The human intestinal microbiota and microbiome26 Drug

metabolism and transport in the liver and intestine; 27 Pathogenesis of hepatic fibrosis; 28 Hepatic regeneration; 29 Molecular biological approaches to the diagnosis and treatment of gastrointestinal diseases; Part 2 Gastrointestinal diseases; 30 Esophagus: anatomy and developmental and structural anomalies; 31 Motility disorders of the esophagus; 32 Gastroesophageal reflux disease; 33 Eosinophilic esophagitis; 34 Esophageal infections and disorders associated with acquired immunodeficiency syndrome  
35 Barrett esophagus and esophageal adenocarcinoma  
36 Esophageal neoplasms; 37 Miscellaneous diseases of the esophagus: foreign bodies, physical injury, and systemic and dermatological diseases; 38 Stomach and duodenum: anatomy and structural anomalies; 39 Disorders of gastric emptying; 40 Peptic ulcer disease; 41 Zollinger-Ellison syndrome; 42 Gastritis and gastropathy; 43 Tumors of the stomach; 44 Surgery for peptic ulcer disease and postgastrectomy syndromes; 45 Miscellaneous diseases of the stomach; 46 Small intestine: anatomy and structural anomalies  
47 Dysmotility of the small intestine and colon  
48 Bacterial, viral, and toxic causes of diarrhea, gastroenteritis, and anorectal infections; 49 Chronic infections of the small intestine; 50 Celiac disease; 51 Disorders of epithelial transport in the small intestine; 52 Bacterial overgrowth; 53 Short bowel syndrome; 54 Tumors of the small intestine; 55 Miscellaneous diseases of the small intestine; 56 Colon: anatomy and structural anomalies; 57 Inflammatory bowel disease; 58 Surgical treatment of inflammatory bowel disease; 59 Miscellaneous inflammatory and structural disorders of the colon  
60 Irritable bowel syndrome

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#### Sommario/riassunto

Over the past twenty years, thousands of physicians have come to depend on Yamada's Textbook of Gastroenterology. Its encyclopaedic discussion of the basic science underlying gastrointestinal and liver diseases as well as the many diagnostic and therapeutic modalities available to the patients who suffer from them was-and still is-beyond compare. This new edition provides the latest information on current and projected uses of major technologies in the field and a new section on diseases of the liver. Plus, it comes with a fully searchable CD ROM of the entire content.

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