



Gastrointestinal, Hepatobiliary, and Nutritional Physiology

Eugene B. Chang, Michael Sitrin, Dennis D. Black

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This textbook provides an introduction to digestive and nutritional physiology, highlighting basic concepts with clinical problems and examples. Basic cellular and molecular mechanisms are discussed with an emphasis on the organismal relevance of these concepts in the context of health and disease. Clinical examples that illustrate and emphasize key points are included in each chapter. The text should be useful for medical school physiology courses and for gastroenterologists, hepatologists and nutritionists studying for board exams. Topics covered include regulation and integration of gut functions; gastrointestinal motility and neurophysiology; gastric physiology; exocrine pancreatic physiology; intestinal water and electrolyte transport; digestion and absorption of carbohydrates, proteins, triglycerides, other dietary lipids and water-soluble vitamins and minerals; structure, circulation and functional assessment of the liver; and role of the liver in protein synthesis, nutrient metabolism, biotransformation, elimination and bile acid metabolism.

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