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Nota di contenuto	Contents; Contributors; Preface; 1 Definitions of pancreatic diseases and their complications; Section One: Anatomy of the pancreas; 2 The history of the pancreas; Color plates; 3 Development of the pancreas and related structures; 4 Anatomy and fine structure; 5 Congenital and inherited anomalies; Section Two: Physiology of pancreatic functions; 6 Physiology of acinar cell secretion; 7 Physiology of duct cell secretion; 8 Physiology of experimental pancreatitis; 9 Physiology of sphincter of Oddi function; 10 Neurohormonal and hormonal control of exocrine pancreatic secretion 11 Regulation of pancreatic protein synthesis and growth12 Insulo-acinar relationship; Section Three: Acute pancreatitis; 13 Etiopathogenesis and epidemiology of alcohol-induced acute pancreatitis; 14 Etiology and epidemiology of biliary acute pancreatitis; 15 Acute pancreatitis associated with congenital anomalies; 16 Acute pancreatitis associated with metabolic, infectious, and drug-related diseases; 17 Acute pancreatitis in children; 18 Understanding of acute pancreatitis from animal experiments; 19 Genetic factors in acute pancreatitis; 20 Histopathology of acute pancreatitis

21 Molecular, biochemical, and metabolic abnormalities of acute pancreatitis; 22 Clinical course of alcoholic acute pancreatitis; 23 Clinical course and treatment principles of biliary acute pancreatitis; 24 Clinical assessment and biochemical markers to objectify severity and prognosis; 25 Imaging acute edematous-interstitial and necrotizing pancreatitis; 26 Treatment of acute pancreatitis; Conservative therapy of acute pancreatitis; ICU treatment of severe acute pancreatitis; 27 Bacterial and fungal infections in necrotizing pancreatitis: pathogenesis, prevention, and treatment; 28 Indications for interventional and surgical treatment of acute pancreatitis; 29 Surgical management of necrotizing pancreatitis; Debridement and continuous closed lavage; Debridement and open packing/staged laparotomy; Debridement and closed packing; 30 Strategies for surgical treatment of pseudocysts after acute pancreatitis; 31 Endoscopic treatment of necrotizing pancreatitis; 32 Minimal-access surgical treatment of necrotizing pancreatitis and pancreatic abscess; 33 Management of fluid collections in acute pancreatitis; 34 Management of pancreatic fistula in acute pancreatitis; 35 Enteral nutrition and parenteral nutrition; 36 Long-term outcome after acute pancreatitis; Section Four: Chronic pancreatitis; 37 Chronic pancreatitis: consequences of recurrent acute episodes; 38 Fibrogenesis of the pancreas: the role of stellate cells; 39 Epidemiology and pathophysiology of alcoholic chronic pancreatitis; 40 Hereditary chronic pancreatitis; 41 Epidemiology and pathogenesis of tropical chronic pancreatitis; 42 Autoimmune pancreatitis; 43 Cystic fibrosis-associated pancreatitis; 44 Chronic pancreatitis: a risk factor for cancer?; 45 Molecular understanding of chronic pancreatitis

Sommario/riassunto

The encyclopedic guide to the pancreas for practicing clinicians and surgeons In the past decade extraordinary developments in diagnostic and therapeutic radiology and endoscopy have been coupled with major advances in surgical techniques and basic sciences. As a result the management of pancreatic disorders is now handled by a multidisciplinary team. This book shows you how to achieve superior patient management by taking the team approach to in-hospital care. Fully revised and updated, this new edition of *The Pancreas: An Integrated Textbook of Basic Science*, Med

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Sommario/riassunto

"Plastic materials continue to play a vital and growing role in packaging applications. It is thus more important than ever that all involved in the packaging industry command a basic understanding of the properties of the common packaging plastics. This highly regarded book provides just that to students and packaging professionals alike: material properties and how they relate to the chemical structure of the polymers, common processing methods for packaging applications, help with writing specifications, designing, fabricating, testing, and controlling the quality of the plastic material are covered comprehensively. The fourth edition has major revisions in discussions of sustainability, recycling, and design for sustainability. Coverage of biodegradable and biobased plastics is also increased. Discussion of coatings is also expanded. Further updates and enhancements throughout ensure Plastics Packaging remains an indispensable resource for both the packaging expert and the novice."-- Provided by publisher.

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