
Table of Contents

Part I Acute Pancreatitis

1	Acute Pancreatitis: Mechanisms of Cell Injury – Genetics D.C. WHITCOMB	3
2	Events Inside the Pancreatic Acinar Cell in Acute Pancreatitis: Role of Secretory Blockade, Calcium Release and Dehydration for the Initiation of Trypsinogen Activation and Autodigestion C. NIEDERAU and R. LÜTHEN	14
3	Immunologic Mechanisms in Acute Pancreatitis J. SCHÖLMERICH	24
4	Mechanisms in Cellular Injury CH. HANCK and M.V. SINGER	36
5	Acute Pancreatitis: Bacterial Translocation and Pancreatic Infections ST.W. SCHMID, W. UHL, and M.W. BÜCHLER	39
6	Staging and Early Nasolateral Feeding in Acute Pancreatitis C.W. IMRIE	55
7	Acute Pancreatitis: Medical and Endoscopic Treatment C. LÖSER and U.R. FÖLSCH	66
8	Surgical Treatment of Acute Pancreatitis H.G. BEGER, B. RAU, J. MAYER, and R. ISENMANN	78

Part II Chronic Pancreatitis

9	Chronic Pancreatitis: Do Different Etiologies (Alcohol, Obstruction) Invoke Different Mechanisms? J. MÖSSNER	93
---	--	----

10	Exocrine Pancreatic Secretion, Pain, and Malabsorption G. H. ELTA	102
11	Intestinal Transit of Chyme and its Regulatory Role: Clinical Implications P. LAYER and J. KELLER	112
12	Treatment of Exocrine Pancreatic Insufficiency in Chronic Pancreatitis M. J. BRUNO	121
13	Mechanisms of Fibrosis and Potential Antifibrotic Agents A. MENKE, R. VOGELMANN, M. BACHEM, and G. ADLER	132
14	Mechanisms of Pain and its Medical Management, Including Neurolytic Treatments L. GULLO	140
15	Endoscopic Treatment of Pain and Complications of Chronic Pancreatitis R. JAKOBS, D. APEL, and J. F. RIEMANN	146
16	Surgical Treatment of Chronic Pancreatitis H. G. BEGER, M. SIECH, and W. SCHLOSSER	155

Part III Cystic Fibrosis

17	Genetics and Molecular Pathology of Cystic Fibrosis B. TÜMMLER	167
18	Treatment of Gastrointestinal Manifestations in Cystic Fibrosis M. STERN	180
19	Is Idiopathic Chronic Pancreatitis Cystic Fibrosis? J. A. COHN	193

Part IV Pancreatic Cancer

20	Growth Factors and Transcription Factors in Pancreatic Cancer H. FRIESS, Z. W. ZHU, L. WANG and M. W. BÜCHLER	205
21	Biological Approaches to the Therapy of Pancreatic Cancer M. A. TEMPERO	222

22	Pancreatic Cancer: Preclinical Development of an Experimental Treatment Strategy Using Retinoids and Interferon-alpha ST. ROSEWICZ	230
23	Aspects of Radical Surgery for Exocrine Cancer of the Pancreatic Head A. ANDRÉN-SANDBERG, D. HOEM, and H. GISSLASON	238
 Part V Epidemiology		
24	Lessons Learned about Pancreatitis and Pancreatic Cancer from Epidemiological Studies A.B. LOWENFELS, P. MAISONNEUVE and P.G. LANKISCH	253
 Subject Index		 263