

# CONTENTS OF COMPLETE VOLUME 3

## DIGESTIVE SYSTEM

### PART I

#### UPPER DIGESTIVE TRACT

##### SECTION

- I Anatomy of the Mouth and Pharynx
- II Anatomy of the Esophagus
- III Anatomy of the Stomach and Duodenum
- IV Functional and Diagnostic Aspects of the Upper Digestive Tract
- V Diseases of the Mouth and Pharynx
- VI Diseases of the Esophagus
- VII Diseases of the Stomach and Duodenum

### PART II

#### LOWER DIGESTIVE TRACT

##### SECTION

- VIII Development of the Digestive Tract
- IX Anatomy of the Abdomen
- X Anatomy of the Lower Digestive Tract
- XI Functional and Diagnostic Aspects of the Lower Digestive Tract
- XII Diseases of the Lower Digestive Tract
- XIII Diseases and Injuries of the Abdominal Cavity
- XIV Hernias

### PART III

#### LIVER, BILIARY TRACT AND PANCREAS WITH SUPPLEMENT

##### SECTION

- XV Normal Anatomy of the Liver, Biliary Tract and Pancreas
- XVI Physiology and Pathophysiology of the Liver, Biliary Tract and Pancreas, Including Hepatic and Pancreatic Tests
- XVII Diseases of the Liver
- XVIII Diseases of the Gallbladder and Bile Ducts
- XIX Diseases of the Pancreas

Supplement on New Aspects of Structure, Metabolism, Diagnostic and Surgical Procedures Associated with Certain Liver Diseases

# CONTENTS

## SECTION XV

### NORMAL ANATOMY OF THE LIVER, BILIARY TRACT AND PANCREAS

PLATE NUMBER	PAGE NUMBER
1. Development of Liver and Its Venous System ....	2
2. Prenatal and Postnatal Circulation .....	3
3. Topography of Liver .....	4
4. Surfaces and Bed of Liver .....	5
5. Lesser Omentum, Variations in Form of Liver ....	6
6. Cellular Elements of Liver .....	7
7-10. Intrahepatic Structures .....	8-12
11. Vessel and Duct Distribution .....	13
12-13. Blood Supply — Liver, Bile Tract, Pancreas ..	14-15
14. Hepatic Artery Variations .....	16
15. Cystic Artery and Its Variations .....	17
16. Portal Vein Tributaries, Anastomoses .....	18
17. Portal Vein — Variations and Anomalies .....	19
18. Lymph Drainage — Liver, Bile Tract .....	20
19. Innervation — Liver, Bile Tract .....	21
20. Gallbladder, Bile Ducts — Anatomy .....	22
21. Bile Duct Variations .....	23
22. Choledochoduodenal Junction .....	24
23. Development of Pancreas .....	25
24. Pancreas — Anatomy .....	26
25. Pancreatic Ducts and Variations .....	27
26. Peritoneal Relations of Pancreas .....	28
27. Surgical Approaches to Pancreas .....	29
28. Lymph Drainage — Pancreas .....	30
29. Innervation of Pancreas .....	31

## SECTION XVI

### PHYSIOLOGY AND PATHOPHYSIOLOGY OF THE LIVER, BILIARY TRACT AND PANCREAS, INCLUDING HEPATIC AND PANCREATIC TESTS

1. Liver Functions .....	35
2. "Metabolic Pool" .....	36-37
3. Flocculation-Turbidity Tests .....	38-39
4. Serum Protein Fractionation .....	39
5. Coagulation Test, Amino-Aciduria .....	40
6. Galactose Tolerance Test .....	41
7. Cholesterol-Phospholipid Levels .....	42

## SECTION XVI (continued)

### PHYSIOLOGY AND PATHOPHYSIOLOGY OF THE LIVER, BILIARY TRACT AND PANCREAS (continued)

PLATE NUMBER	PAGE NUMBER
8. Alkaline Phosphatase Test .....	43
9. Hippuric Acid Test .....	44
10. Dye Excretion Test .....	45
11. Liver Biopsy .....	46
12. Bile Pigment Metabolism .....	47
13-14. Jaundice .....	48-49
15-16. Application of Hepatic Tests .....	50-51
17. Gallbladder and Sphincter Function .....	52
18. Duodenal Drainage .....	53
19. Visualization by X-ray .....	54
20. Normal Pancreas Secretion .....	55
21. Acute Pancreatitis — Biochemistry .....	56
22. Pancreatic Obstruction — Biochemistry .....	57
23. Pancreatic Tests .....	58

## SECTION XVII

### DISEASES OF THE LIVER

1. Congenital Anomalies .....	60
2. Malpositions .....	61
3. Degeneration .....	62
4. Regeneration and Atrophy .....	63
5. Hepatic Necrosis .....	64-65
6. Cirrhosis I — Pathogenesis .....	66-68
7. Cirrhosis II — Vascular Changes .....	68-69
8. Cirrhosis III — Clinical Manifestations .....	70
9. Physical Diagnosis of Liver Disease .....	71
10. Portal Hypertension I — Causes .....	72
11. Portal Hypertension II — Surgical Relief .....	73
12. Ascites — Pathogenesis .....	74
13. Hepatic Coma .....	75
14. Renal Complications .....	76
15-18. Nutritional Liver Diseases .....	77-80
19. Postnecrotic Cirrhosis .....	81
20. Extrahepatic Biliary Obstruction I — Mechanism..	82
21. Extrahepatic Biliary Obstruction II — Stages .....	83
22. Biliary Cirrhosis .....	84
23. Amyloidosis .....	85

## SECTION XVII (continued)

## DISEASES OF THE LIVER (continued)

PLATE NUMBER	PAGE NUMBER
24. Carbohydrate-Lipid Disturbances .....	86
25. Wilson's Disease .....	87
26. Iron Metabolism .....	88
27. Hemosiderosis, Hemochromatosis .....	88-89
28. Hypoxic Conditions .....	90
29. Toxic Injuries .....	91
30. Bacterial Hepatitis .....	92
31. Viral Hepatitis I — Acute .....	93
32. Viral Hepatitis II — Fulminant .....	94
33. Viral Hepatitis III — Subacute Fatal .....	95
34. Viral Hepatitis IV — Chronic .....	96
35. Intrahepatic Cholestasis .....	97
36. Infectious Mononucleosis, Yellow Fever .....	98
37. Weil's Disease, Syphilis .....	99
38. Tuberculosis .....	100
39. Sarcoidosis, Brucellosis, Histoplasmosis .....	101
40. Amebiasis .....	102
41. Actinomycosis .....	103
42. Echinococcus Cyst (Hydatid Disease) .....	104
43. Schistosomiasis .....	105
44. Cardiac Liver .....	106
45. Arterial Obstruction .....	107
46. Portal Vein Obstruction .....	108
47. Periarteritis Nodosa, Aneurysm .....	109
48. Hodgkin's Disease, Leukemia .....	110
49. Tumors I — Hamartomas, Hemangiomas .....	111
50. Tumors II — Primary Carcinoma .....	112
51. Tumors III — Histology and Spread .....	113
52. Tumors IV — Intrahepatic Duct Carcinoma .....	114
53. Tumors V — Secondary, Metastatic .....	115
54. Trauma .....	116
55. Liver Disease in Pregnancy .....	117
56. Jaundice in the Neonatal Period .....	118-120

## SECTION XVIII

DISEASES OF THE GALLBLADDER  
AND BILE DUCTS

PLATE NUMBER	PAGE NUMBER
1. Congenital Anomalies .....	123
2. Cholelithiasis I — Stone Formation .....	124
3. Cholelithiasis II — Clinical Aspects .....	125
4. Cholelithiasis III — Pathology .....	126
5. Hydrops and Empyema of Gallbladder .....	127
6. Interrelation of Gallbladder Diseases .....	128
7. Cholecystitis I — Acute and Chronic .....	129
8. Cholecystitis II — Complications .....	130
9. Perforation, Subphrenic Abscess .....	131
10. Bile Duct Fistulae .....	132
11. Extrahepatic Cholangitis, Strictures .....	133
12. Diagnosis of Biliary Tract Disease .....	134
13. Tumors of Gallbladder .....	135
14. Tumors of Bile Ducts .....	136
15. Ampullary Tumors .....	137
16. Postcholecystectomy Syndrome .....	138

## SECTION XIX

## DISEASES OF THE PANCREAS

1. Congenital Anomalies .....	141
2. Congenital Cystic Disease .....	142
3. Acute Pancreatitis .....	143
4. Chronic (Relapsing) Pancreatitis .....	144
5. Cysts .....	145
6. Benign Tumors .....	146
7. Malignant Tumors I — Cystadenocarcinoma, Islet Cell Carcinoma .....	147
8. Malignant Tumors II — Clinical Features .....	148
9. Malignant Tumors III — Histology, Metastases .....	149
References .....	151
Index .....	157

PAGE  
NUMBERSupplement on New Aspects of Structure, Metabo-  
lism and Diagnosis .....

(see Table of Contents, page 168. References  
and Index, page 183)

Supplement on Surgical Procedures .....

(see Table of Contents, page 187. References  
and Index, page 188)