

SECTION 1

Skin and subcutaneous tissues

	1
1. The structure and function of skin	2
2. Evaluation of skin disorders	4
3. Disorders of keratinization	14
4. Inherited and autoimmune subepidermal blistering diseases	16
5. Acantholytic disorders	21
6. Eczematous dermatoses	25
7. Psoriasis	33
8. Lichen planus	35
9. Hypersensitivity syndromes	36
10. Superficial and deep perivascular inflammatory dermatoses	39
11. Granulomatous and necrobiotic dermatoses	41
12. Porphyria cutanea tarda	44
13. Pellagra	46
14. Cutaneous adverse reactions to drugs	47
15. Neutrophilic and eosinophilic dermatoses	49
16. Vascular diseases	54
17. Disorders of pigmentation	62
18. Diseases of the hair	66
19. Acne vulgaris	72
20. Rosacea	74
21. Diseases of the nails	76
22. Tumors of the surface epithelium	84
23. Melanocytic nevi	91
24. Melanoma	98
25. Miscellaneous skin lesions	100
26. Dermatophyte infections	110
27. Viral infections	115
28. Bacterial skin infections	134
29. Infestations and bites	143
30. Decubitus ulcers	153
31. Environmental injuries	155
32. Radiation dermatitis	160

SECTION 2

Brain, peripheral nervous system, muscle

	161
33. Normal anatomy	162
34. Diagnostic tests and procedures	168
35. Cerebrovascular disease	175
36. Subclavian steal syndrome	182

Table of contents

37. Subdural hematoma	183
38. Brain neoplasms	184
39. Dementia	192
40. Movement disorders	200
41. Developmental disorders of the spinal cord and brain	204
42. Multiple sclerosis	207
43. Amyotrophic lateral sclerosis	209
44. Neuropathies	211
45. Ataxias	214
46. Infections	216
47. Neurocutaneous syndromes	229
48. Disorders of muscle and neuromuscular junction	233
49. Bell's palsy	238
50. Cerebral palsy	239
51. Down syndrome	240
52. Normal-pressure hydrocephalus	242
53. Dandy-Walker malformation	244
54. Neuroblastoma	245
55. von-Hippel-Lindau disease	247

SECTION 3

Eyes, ears, nose, oral cavity, and neck 249

Eyes

56. Normal anatomy	250
57. Diagnostic tests and procedures	252
58. Cataracts	259
59. Conjunctivitis	261
60. Corneal ulceration (keratitis)	264
61. Scleritis	266
62. Disorders of the conjunctiva and limbus	267
63. Strabismus	270
64. Amblyopia	273
65. Entropion	274
66. Ectropion	275
67. Blepharospasm	276
68. Benign eyelid lesions	278
69. Eyelid malignancies	286
70. Retinitis pigmentosa	288
71. Retinoblastoma	289
72. Amaurosis fugax	290
73. Macular degeneration	292
74. Retinal detachment	293

75. Uveitis	295
76. Glaucoma, chronic open angle	297
77. Glaucoma, primary closed angle	299
78. Horner's syndrome	301
79. Optic neuritis	302
Ears	
80. Normal anatomy, examination, and diagnostic testing	304
81. Hearing loss	308
82. Acoustic neuroma	311
83. Relapsing polychondritis	313
84. Otitis externa	314
85. Otitis media	316
Nose	
86. Allergic rhinitis	318
87. Epistaxis	320
88. Sinusitis	322
Mouth and tongue	
89. Diseases of the oral mucosa	325
90. Dental and periodontal infections	336
91. Herpangina	338
92. Stomatitis	339
93. Scarlet fever	341
Salivary glands	
94. Salivary gland neoplasms	342
95. Mumps	344
Pharynx	
96. Pharyngitis and tonsillitis	346
97. Epiglottitis	348
Thyroid	
98. Thyroid nodule	349
99. Thyroid cancer	352
100. Thyroiditis	355
SECTION 4	
Chest, mediastinum, diaphragm	
101. Chest wall abnormalities	357
102. Mediastinal abnormalities	358
103. Superior vena cava syndrome	359
104. Diaphragm abnormalities	364
SECTION 5	
Cardiovascular system	
105. Diagnostic tests and procedures	369
106. Ischemic heart disease	370
107. Valvular disease	382
108. Infective endocarditis	395
	406

109. Congestive heart failure	409
110. Cardiogenic pulmonary edema	413
111. Cardiomyopathies	414
112. Myocarditis	420
113. Pericarditis	422
114. Cor pulmonale	425
115. Arrhythmias	427
116. Cardiac pacemakers	440
117. Congenital heart disease	442
118. Atrial myxoma	457
119. Peripheral arterial disease	459
120. Venous ulcers and stasis dermatitis	461
121. Lymphedema	463
122. Deep vein thrombosis	465
123. Thromboangiitis obliterans (Buerger's disease)	468
124. Abdominal aortic aneurysm	470
125. Aortic dissection	472
126. Syncope	475
127. Hypertension	478

SECTION 6

Lungs	481
128. Measurement of respiratory function	482
129. Asthma	485
130. Chronic obstructive pulmonary disease	488
131. Alpha ₁ -antitrypsin deficiency	492
132. Lung neoplasms	494
133. Diseases of the pleura	500
134. Occupational lung disease	507
135. Interstitial lung disease	510
136. Idiopathic pulmonary fibrosis	512
137. Pulmonary infiltrations	514
138. Atelectasis	524
139. Respiratory infections	525
140. Acute Respiratory Distress Syndrome	547
141. Pulmonary hypertension	549
142. Altitude sickness	552
143. Pulmonary embolism	554

SECTION 7

Digestive system	559
Esophagus	
144. Zenker's diverticulum	560
145. Gastroesophageal reflux	561
146. Hiatal hernia	562
147. Mallory-Weiss tear	563
148. Barrett's syndrome	564
149. Esophageal carcinoma	565

150. Rings and webs	567
151. Achalasia	568
152. Esophageal spasm	570
153. Esophageal varices	571
Stomach and duodenum	
154. Gastritis	572
155. Peptic ulcer	574
156. Gastric carcinoma	576
157. Intestinal obstruction	578
Small intestine	
158. Celiac disease	583
159. Meckel's diverticulum	585
160. Hernias	586
161. Appendicitis	587
162. Crohn's colitis	588
Colon	
163. Ulcerative colitis	591
164. Diverticular disease	593
165. Familial polyposis syndrome	596
166. Peutz-Jegher's syndrome	597
167. Gardner's syndrome	598
168. Colorectal cancer	600
Disorders of the anus, anal canal, and perianal region	
169. Hemorrhoids	603
170. Anal fissure	605
171. Perirectal abscess	606
172. Fistula	607
Pancreas	
173. Acute pancreatitis	608
174. Chronic pancreatitis	612
175. Carcinoma of pancreas	613
Liver	
176. Cirrhosis	616
177. Ascites	620
178. Hepatorenal syndrome	622
179. Primary biliary cirrhosis	624
180. Hemochromatosis	626
181. Non-alcoholic steatohepatitis	629
182. Hepatocellular carcinoma	631
183. Hepatic Infections	633
184. Autoimmune hepatitis	643
Gallbladder and bile ducts	
185. Cholelithiasis	644
186. Cholecystitis	646
187. Cholangiocarcinoma	648
Gastrointestinal Infections	
188. Viral gastroenteritis	650
189. Salmonellosis	652

190. Cholera	655
191. Whipple's disease	656
192. Mesenteric adenitis	658
193. Pseudomembranous colitis	659

Vascular

194. Mesenteric ischemia	661
195. Portal vein thrombosis	663
196. Budd-Chiari syndrome	665

Endocrine gastrointestinal disorders

197. Carcinoid	667
198. Gastrinoma (Zollinger-Ellison syndrome)	671
199. Glucagonoma	673

SECTION 8

Kidneys

	675
200. Normal anatomy	676
201. Diagnostic tests and procedures	678
202. Acute renal failure	691
203. Chronic renal failure	697
204. Glomerulonephritis	701
205. Acute tubular necrosis	704
206. IgA nephropathy	706
207. Nephrotic syndrome	707
208. Interstitial nephritis	709
209. Amyloidosis	711
210. Polycystic kidney disease	714
211. Renal artery stenosis and thrombosis	719
212. Neoplasms	722
213. Pyelonephritis	725
214. Hydronephrosis	727
215. Rhabdomyolysis	729

SECTION 9

Genitourinary tract

731

Ureters

216. Urolithiasis	732
-------------------	-----

Bladder

217. Bladder carcinoma	737
------------------------	-----

Prostate

218. Benign prostatic hyperplasia	739
219. Prostatitis	741
220. Prostate cancer	743

Testicles

221. Hydrocele	745
222. Varicocele	747
223. Epididymitis	748

224. Testicular neoplasms	750
225. Testicular torsion	752

Vulva, urethra, penis

226. Diseases of the genital skin	754
227. Urethritis, gonococcal	767
228. Urethritis, non-gonococcal	769
229. Hypospadias	771
230. Peyronie's disease	774

SECTION 10

Female reproductive system 775

231. Clinical pelvic anatomy and menstrual cycle	776
232. Diagnostic tests and procedures	782
233. Endometriosis	787
234. Contraception	789

Vulva/vagina

235. Vaginosis, bacterial	793
236. Vulvovaginitis, fungal	795
237. Vulvovaginitis, trichomonas	796
238. Vulvovaginitis, estrogen deficient (atrophic vaginitis)	797
239. Vulvar cancer	798

Cervix

240. Cervicitis	800
241. Cervical dysplasia	802
242. Cervical cancer	805

Uterus

243. Uterine prolapse	807
244. Uterine myomas	809
245. Uterine polyps	812
246. Endometrial cancer	813

Ovaries

247. Benign ovarian lesions	815
248. Polycystic ovary syndrome	817
249. Ovarian cancer	819

Infections

250. Pelvic inflammatory disease	820
----------------------------------	-----

Breasts

251. Fibrocystic breast disease	821
252. Breast abscess	824
253. Breast cancer	826
254. Paget's disease of breast	830

Pregnancy

255. Physiologic changes and prenatal monitoring	832
256. Normal labor and delivery	837
257. Abnormal labor	841
258. Ectopic pregnancy	844

259. Preeclampsia	846
260. Abruptio placentae	848
261. Placenta previa	850
262. Hydatidiform mole	852

SECTION 11

Endocrine and metabolic systems and nutritional disorders 853

Pituitary disorders

263. Hypopituitarism	854
264. Pituitary adenoma	859
265. Diabetes insipidus	867
266. Inappropriate secretion of antidiuretic hormone	869

Thyroid

267. Hypothyroidism	871
268. Hyperthyroidism	875

Parathyroids

269. Hypocalcemia	878
270. Hyperparathyroidism	880

Adrenal glands

271. Cushing's syndrome	884
272. Addison's disease	887
273. Hypoaldosteronism	890
274. Hyperaldosteronism	891
275. Pheochromocytoma	894

Reproductive system and growth

276. Normal puberty	896
277. Precocious puberty	898
278. Delayed puberty	900
279. Congenital adrenal hyperplasia	903
280. Klinefelter's syndrome	906
281. Turner's syndrome	907
282. Hypogonadism	908
283. Hirsutism	910
284. Gynecomastia	912

Disorders of carbohydrate and lipid metabolism

285. Diabetes mellitus	916
286. Hypoglycemia and Insulinoma	921
287. Hyperlipidemia	923
288. Multiple endocrine neoplasia (MEN)	928

SECTION 12

Musculoskeletal system 931

289. Diagnostic tests and procedures	932
290. Osteoarthritis	949

291. Rheumatoid arthritis	952
292. Juvenile rheumatoid arthritis	957
293. Systemic lupus erythematosus	960
294. Antiphospholipid antibody syndrome	965
295. Sjögren's syndrome	967
296. Idiopathic inflammatory myopathies (dermatomyositis, polymyositis)	969
297. Raynaud's syndrome	971
298. Scleroderma	974
299. Mixed connective tissue disease	977
300. Vasculitides	978
301. Spondyloarthropathies	988
302. Crystal-related arthritis	994
303. Fibromyalgia	998
304. Regional rheumatic diseases	1000
305. Inherited connective tissue disorders	1028
306. Diseases of bone and bone metabolism	1031
307. Hypertrophic osteoarthropathy	1037
308. Infections	1038
309. Bone tumors	1047
310. Fractures	1051

SECTION 13

Blood	1059
311. Basic principles of hematology	1060
312. Anemias	1066
313. Leukemias	1084
314. Myelodysplastic syndrome	1093
315. Hodgkin's lymphoma	1095
316. Non-Hodgkin's lymphoma	1099
317. Hairy cell leukemia	1106
318. Plasma cell dyscrasias	1107
319. Polycythemia vera	1111
320. Thrombocytopenia	1114
321. Disseminated intravascular coagulation	1120
322. Hypercoagulable state	1122
323. Hemophilias	1126

324. Von Willebrand's disease	1129
325. Felty's syndrome	1131
326. Paroxysmal nocturnal hemoglobinuria	1132
327. Paroxysmal cold hemoglobinuria	1134
328. Histiocytosis X	1135
329. Kaposi's sarcoma	1137

SECTION 14

Infectious diseases	1139
330. Diagnostic tests and procedures	1140
331. Human immunodeficiency virus	1145
332. Protozoal infections	1159
333. Cestode (tapeworm) infestation	1176
334. Nematode infestation	1179
335. Filariasis	1186
336. Fungal infections	1189
337. Rheumatic fever	1211
338. Infectious mononucleosis	1214
339. Thrombophlebitis	1216
340. Leprosy	1218
341. Tetanus	1220
342. Anaerobic infections	1221
343. Diphtheria	1223
344. Listeriosis	1225
345. <i>Yersinia pestis</i> (plague)	1226
346. Relapsing fever	1228
347. Tularemia	1229
348. Brucellosis	1231
349. Cat-scratch disease	1233
350. Leptospirosis	1235
351. Rabies	1236
352. Toxic shock syndrome	1238
Index	1241