

Contents

SECTION 1. SYMPTOMATIC CARE PENDING DIAGNOSIS

Pain	1	Cough	20
Craig L. Gilliland		Lawrence C. Mohr	
Nausea and Vomiting	5	Hoarseness and Laryngitis	28
Lowell B. Anthony		Charles N. Ford	
Gaseousness and Indigestion	10	Insomnia	33
Vincent A. DeLuca, Jr.		Richard M. Berlin	
Acute Infectious Diarrhea	12	Pruritus (Itching)	37
Charles D. Ericsson		Elizabeth F. Sherertz	
Constipation	14	Joseph L. Jorizzo	
Joseph D. Brasco, Jr.		Tinnitus	39
Fever	18	John R. Emmett	
Martin I. Lorin			

SECTION 2. THE INFECTIOUS DISEASES

Management of the Patient with HIV Disease	43	Cholera	75
Enrique S. Fernandez		Frederik P. L. van Loon	
Abe M. Macher		Diphtheria	79
Joseph F. O'Neill		Barbara W. Stechenberg	
Amebiasis	60	Food-Borne Illness	81
Samuel L. Stanley, Jr.		Michael J. Muszynski	
Bacteremia	62	Necrotizing Skin and Soft Tissue Infections	84
Sarah Slaughter		José F. Patiño	
James Leggett		Epidemic Influenza	86
Brucellosis	67	Ruth A. Karron	
Edward J. Young		Mary Lou Clements	
Conjunctivitis	69	Leishmaniasis	90
Denise Bratcher		Debra Chester Kalter	
Christopher J. Harrison		Leprosy (Hansen's Disease)	94
Varicella (Chickenpox)	72	Leo J. Yoder	
Thomas H. Belhorn			
Martin G. Myers			

Malaria	99	Rocky Mountain Spotted Fever	128
Malcolm Molyneux		Charles W. Stratton	
Bacterial Meningitis	105	Rubella and Congenital Rubella	131
Allan R. Tunkel		Bernard Gonik	
Infectious Mononucleosis	109	Measles (Rubeola)	133
John C. Pottage, Jr.		Iain Hardy	
Mumps	111	Anne Gershon	
Jane C. McDonald		Tetanus	135
Plague	112	John H. Kerr	
Bruce Tempest		Toxoplasmosis	139
Psittacosis (Ornithosis)	113	Roy T. Steigbigel	
Julius Schachter		Trichinosis	141
Q Fever	115	James W. Kazura	
Lourdes Irizarry		Tularemia	142
Rabies	116	Claire B. Panosian	
Mark O. Loveless		Salmonellosis	143
Rat-Bite Fever	118	David R. Hill	
Herbert B. Tanowitz		Typhoid Fever	146
Susan M. Kellie		Fortino Solórzano Santos	
Relapsing Fever	120	The Typhus Fevers	149
Malcolm T. Foster, Jr.		Bruce P. Chandler	
Rheumatic Fever	122	Pertussis (Whooping Cough)	151
Leon Chameides		Tou-Hwei Chen	
Milton Markowitz		Melvin I. Marks	
Lyme Disease	124		
Leonard H. Sigal			

SECTION 3. THE RESPIRATORY SYSTEM

Acute Respiratory Failure	155	Coccidioidomycosis	170
R. Phillip Dellinger		Robert A. Larsen	
Janice L. Zimmerman		Histoplasmosis	172
Atelectasis	159	W. Dwayne Brown	
David A. Fullerton		G. Douglas Campbell, Jr.	
Chronic Obstructive Pulmonary Disease	161	Blastomycosis	174
Charles G. Alex		Ronald B. George	
Martin J. Tobin		Pleural Effusion and Empyema Thoracis	176
Carcinoma of the Lung	164	Douglas E. Wood	
Thomas W. Shields		Douglas J. Mathisen	

Primary Lung Abscess	178	Sarcoidosis	208
Horst Baier		Yash P. Kataria	
		John F. Holter	
Otitis Media	179	Silicosis	212
Harvey M. Tucker		Kathryn McConnochie	
Acute Bronchitis	180	Hypersensitivity Pneumonitis	213
Elizabeth A. Rich		Manuel Lopez	
Jerrold J. Ellner		John E. Salvaggio	
Bacterial Pneumonia	183	Sinusitis	215
Joseph P. Lynch, III		Joseph L. Leach	
Viral Respiratory Infections	198	Steven D. Schaefer	
Jessie R. Groothuis		Streptococcal Pharyngitis	217
Viral and Mycoplasmal Pneumonias ...	199	Michael E. Pichichero	
John G. Prichard		Tuberculosis and Other Mycobacterial	
Legionellosis (Legionnaires' Disease		Diseases	220
and Pontiac Fever)	202	Michael H. Cynamon	
Joseph W. Chow		Sally P. Klemens	
Pulmonary Embolism	203		
Samuel Z. Goldhaber			

SECTION 4. THE CARDIOVASCULAR SYSTEM

Acquired Diseases of the Aorta	225	Congenital Heart Disease	261
Geoffrey S. Cox		Thomas A. Vargo	
Angina Pectoris	228	Mitral Valve Prolapse	267
James B. Young		Mary E. Fontana	
Cardiac Arrest: Sudden Cardiac		Congestive Heart Failure	270
Death	236	John R. Wilson	
John W. Bachman		Infective Endocarditis	274
Atrial Fibrillation	245	Henry F. Chambers	
Eric N. Prystowsky		Hypertension	280
J. Marcus Wharton		Edward D. Frohlich	
Richard L. Page		Acute Myocardial Infarction	296
Premature Beats	247	LeRoy E. Rabbani	
David M. Salerno		Elliott M. Antman	
Heart Block	251	Rehabilitation After Myocardial	
John M. Miller		Infarction	313
Tachycardias	254	L. Howard Hartley	
James A. Reiffel			

Pericarditis	317	Deep Venous Thrombosis of the Extremities	323
Noble O. Fowler		Margaret O'Byrne	
Peripheral Arterial Disease	319	Jeffrey W. Olin	
James C. Stanley			

SECTION 5. THE BLOOD AND SPLEEN

Aplastic Anemia	327	Chemotherapy of Hodgkin's Disease ...	383
Bruce M. Camitta		Dennis L. Cooper	
Iron Deficiency	330	Hodgkin's Disease: Radiation Therapy	387
Marcel E. Conrad		Richard T. Hoppe	
Autoimmune Hemolytic Anemias	333	Acute Leukemia in Adults	392
Christopher D. Hillyer		A. Jacqueline Mitus	
Nonimmune Hemolytic Anemia	338	Joseph H. Antin	
Ernest Beutler		Acute Leukemia in Childhood	398
Pernicious Anemia and Other Megaloblastic Anemias	341	William M. Crist	
Ronald A. Sacher		Robert A. Krance	
Joseph Evers		Chronic Leukemias	403
Thalassemia	344	Zalmen A. Arlin	
Nancy F. Olivieri		Carmelo A. Puccio	
Sickle Cell Disease	349	Perry Cook	
Cage S. Johnson		Non-Hodgkin's Lymphomas	410
Neutropenia	358	Sandra J. Horning	
Mary Ann Bonilla		Cutaneous T Cell Lymphoma (Mycosis Fungoides and Sézary's Syndrome)	415
Richard J. O'Reilly		Alan H. Epstein	
Hemolytic Disease of the Fetus and Newborn	361	Eli Glatstein	
C. R. Harman		Multiple Myeloma	419
Hemophilia and Related Conditions	366	Robert A. Kyle	
Catherine M. Broome		Philip R. Greipp	
Craig M. Kessler		Polycythemia Vera	424
Platelet-Mediated Bleeding Disorders ..	374	Kaushik A. Shastri	
Joel L. Moake		Gerald L. Logue	
Disseminated Intravascular Coagulation	378	The Porphyrias	427
Gerald A. Soff		Herbert L. Bonkovsky	
Thrombotic Thrombocytopenic Purpura	379	Therapeutic Use of Blood Components	433
Gerald A. Soff		Edward L. Snyder	
Hemochromatosis	381	Adverse Reactions to Blood Transfusion	438
Bruce R. Bacon		Richard Newman	

SECTION 6. THE DIGESTIVE SYSTEM

Cholelithiasis and Cholecystitis	445	Gastritis	486
Rhoda F. Leichter		Barry J. Marshall	
Carlos A. Pellegrini			
Cirrhosis	447	Acute and Chronic Viral Hepatitis	490
Stephen D. Zucker		Ronald L. Koretz	
John L. Gollan			
Bleeding Esophageal Varices	457	Malabsorption Syndromes	496
I. James Sarfeh		Amitabh Chak	
		John G. Banwell	
Dysphagia and Esophageal Obstruction	460	Acute Pancreatitis	502
Morris Traube		Jon M. Burch	
Diverticula of the Alimentary Tract	464	Chronic Pancreatitis	506
Anthony Albright		Charles F. Frey	
Chesley Hines, Jr.			
Ulcerative Colitis	468	Peptic Ulcer Disease	509
Stephen B. Hanauer		James L. Achord	
Crohn's Disease	476	Tumors of the Stomach	515
George B. Rankin		Theodor B. Grage	
Irritable Bowel Syndrome	478	Malignant Diseases of the Colon and Rectum	517
David S. Greenbaum		Kirby I. Bland	
Hemorrhoids, Anal Fissure, and Anorectal Abscess and Fistula	480	Intestinal Parasites	520
John M. MacKeigan		Martin S. Wolfe	

SECTION 7. METABOLIC DISORDERS

Diabetes Mellitus in Adults	527	Vitamin Deficiency	557
David L. Horwitz		Richard W. Vilter	
Diabetes Mellitus in Children and Adolescents	534	Vitamin K Deficiency	564
Robert M. Ehrlich		Bruce Furie	
Diabetic Ketoacidosis	538	Osteoporosis	566
William T. Dahms		Michael Kleerekoper	
		Daniel Mendlovic	
Hyperuricemia and Gout	543	Paget's Disease of Bone	570
Jorge Sanchez-Guerrero		Lawrence E. Mallette	
Matthew H. Liang			
Hyperlipoproteinemias	546	Parenteral Nutrition in Adults	575
Scott M. Grundy		Danny O. Jacobs	
Obesity	551	Parenteral Fluid Therapy for Infants and Children	587
Richard L. Atkinson		Leonard G. Feld	

SECTION 8. THE ENDOCRINE SYSTEM

Acromegaly	597	Hypopituitarism	623
Martin H. Weiss		Mark E. Molitch	
Adrenocortical Insufficiency	600	Hyperprolactinemia	626
George T. Griffing		Andrew G. Frantz	
Cushing's Syndrome	604	Hypothyroidism	630
Gilbert H. Daniels		David H. Sarne	
Primary Aldosteronism	610	Hyperthyroidism	635
William F. Young, Jr.		David S. Cooper	
Diabetes Insipidus	614	Thyroid Cancer	639
Joseph G. Verbalis		Colin G. Thomas, Jr.	
Arthur Greenberg			
Goiter	617	Pheochromocytoma	643
Alan Krasner		Brahm Shapiro	
Paul W. Ladenson		James C. Sisson	
Hyperparathyroidism and Hypoparathyroidism	620	Thyroiditis	648
Daniel D. Bikle		John C. Morris	

SECTION 9. THE UROGENITAL TRACT

Bacterial Infections of the Urinary Tract in Males	651	Genitourinary Trauma	672
John Z. Montgomerie		Michael O. Koch	
Bacterial Infections of the Urinary Tract in Women	652	Benign Prostatic Hyperplasia	677
Thomas M. Hooton		Susan L. Timmons	
		George D. Webster	
Bacterial Infections of the Urinary Tract in Girls	658	Prostatitis	680
Mark F. Bellinger		Rodney U. Anderson	
Childhood Enuresis	660	Acute Renal Failure	683
William Feldman		John F. Donohoe	
Urinary Incontinence	661	Chronic Renal Failure	687
Joseph G. Ouslander		Nuhad Ismail	
		Raymond M. Hakim	
Epididymitis	664	Genitourinary Cancer	694
Grannum R. Sant		Raul O. Parra	
		Martin J. Wall	
Primary Glomerular Diseases	665	Urethral Stricture	701
D. C. Cattran		Charles J. Devine, Jr.	
Pyelonephritis	670	Renal Calculi	704
David Siegel		George W. Drach	

SECTION 10. THE SEXUALLY TRANSMITTED DISEASES

Chancroid	709	Granuloma Inguinale (Donovanosis)	713
Joann M. Schulte		J. Eric Bauwens	
George Schmid			
Gonorrhea	710	Lymphogranuloma Venereum	714
Rodney A. Michael		J. Eric Bauwens	
Ronald H. Cooper			
Nongonococcal Urethritis	712	Syphilis	715
Wm. Graham Guerriero		Michael F. Rein	

SECTION 11. DISEASES OF ALLERGY

Anaphylaxis and Serum Sickness	719	Allergic Rhinitis Caused by Inhalant Factors	735
Samuel R. Marney, Jr.		James A. McLean	
Asthma in Adolescents and Adults	722	Allergic Reactions to Drugs	740
Thomas P. Miller		Kathy R. Sonenthal	
Paul A. Greenberger		Leslie C. Grammer	
Asthma in Children	725	Stinging Insect Allergy	743
Martha V. White		John W. Georgitis	

SECTION 12. DISEASES OF THE SKIN

Acne Vulgaris* and Rosacea	747	Keloids	770
Donald P. Lookingbill		Jouni Uitto	
Hair Disorders	750	Warts (Verruca Vulgaris)	771
Wilma F. Bergfeld		Susan M. Zurowski	
Dirk M. Elston			
Cancer of the Skin	753	Nevi	774
R. Steven Padilla		David Goldminz	
Papulosquamous Eruptions	756	Melanoma	777
Robert H. Schosser		Barry D. Mann	
Connective Tissue Disorders: Systemic Lupus Erythematosus, Dermatomyositis, and Scleroderma	759	Premalignant Lesions	778
Richard Wernick		Steven M. Rotter	
David L. Smith		John W. Skouge	
Cutaneous Vasculitis	764	Bacterial Diseases of the Skin	783
Warren W. Piette		Margaret C. Douglass	
Diseases of the Nails	766	Viral Diseases of the Skin	785
Robert A. Silverman		Paul A. Krusinski	
		Parasitic Infestations of the Skin	789
		Darius R. Mehregan	
		W. P. Daniel Su	

Superficial Fungal Infections of the Skin	792	Contact Dermatitis	822
Kenneth J. Tomecki		Robert L. Rietschel	
Jacob W.E. Dijkstra		Skin Diseases of Pregnancy	823
Diseases of the Mouth	794	Kim B. Yancey	
Henry W. Randle		Pruritus Ani and Vulvae	826
Stasis Ulcers	805	Mauray J. Tye	
Michael R. Jaff		Urticaria and Angioedema	827
Jeffrey W. Olin		Carol L. Kulp-Shorten	
Pressure Ulcers	807	Jeffrey P. Callen	
G. Allen Holloway, Jr.		Pigmentary Disorders	828
Atopic Dermatitis	809	Josiane S. Lederman	
Richard A. F. Clark		Patrick Ottuso	
Erythema Multiforme	812	Occupational Dermatitis	830
Marcia G. Tonnesen		Elizabeth F. Sherertz	
Bullous Diseases	814	Sunburn, Photoaging, Skin Cancer, and Photosensitivity	832
David L. Crosby		Ponciano D. Cruz, Jr.	
Luis A. Diaz			

SECTION 13. THE NERVOUS SYSTEM

Brain Abscess	835	Headache	872
Allan R. Tunkel		Robert Smith	
Alzheimer's Disease	838	Episodic Vertigo	880
David L. Sultzer		Ulrich Büttner	
Jeffrey L. Cummings		Meniere's Disease	886
Parenchymatous Brain Hemorrhage ...	840	William L. Meyerhoff	
R. B. Libman		Viral Meningitis and Encephalitis	888
J. P. Mohr		John O. Fleming	
Ischemic Cerebrovascular Disease	844	Reye's Syndrome	890
J. David Spence		Alan R. Seay	
Rehabilitation of the Stroke Patient	848	Multiple Sclerosis	892
Joel A. DeLisa		Jack S. Burks	
Richard D. Zorowitz		Myasthenia Gravis	902
Epilepsy in Adolescents and Adults	851	John Keesey	
Joseph Bruni		Trigeminal Neuralgia	909
Epilepsy in Infants and Children	860	Kim J. Burchiel	
Jack A. Madsen			
Gilles de la Tourette Syndrome	868		
Christopher G. Goetz			

Optic Neuritis	911	Peripheral Neuropathy	927
Alfredo A. Sadun		D. Joanne Lynn	
		Jerry R. Mendell	
Glaucoma	913	Acute Head Injuries in Adults	936
Thomas B. Klein		Thomas G. Saul	
Eve J. Higginbotham			
Acute Peripheral Facial Paralysis (Bell's Palsy)	916	Acute Head Injuries in Children	942
Naoaki Yanagihara		J. Parker Mickle	
		John C. Steck	
Parkinson's Disease	919	Brain Tumors	945
Jean P. Hubble		Edward J. Dropcho	
William C. Koller			

SECTION 14. THE LOCOMOTOR SYSTEM

Rheumatoid Arthritis	953	Osteoarthritis	971
Robert S. Katz		G. James Morgan, Jr.	
		John H. Yost	
Juvenile Rheumatoid Arthritis	959	Polymyalgia Rheumatica and Giant Cell Arteritis	975
Bram H. Bernstein		Lee S. Shapiro	
Ilona S. Szer			
Ankylosing Spondylitis	963	Osteomyelitis	977
Andrew Chalmers		Jon T. Mader	
		Jose A. Cobos	
Temporomandibular Disorders	966	Jason Calhoun	
Charles McNeill			
Fibromyalgia, Tendinitis, and Bursitis	969	Common Sports Injuries	982
William S. Wilke		Allan V. Abbott	

SECTION 15. OBSTETRICS AND GYNECOLOGY

Antepartum Care	985	Obstetric Anesthesia	1006
Mindy A. Smith		Glenn K. Shopper	
Mack T. Ruffin IV		Mark D. Johnson	
Ectopic Pregnancy	998	Postpartum Care	1015
Gregory H. Corsan		Brian Kirshon	
		Bernard Rosenfeld	
Vaginal Bleeding in Late Pregnancy ..	1000	Resuscitation of the Newborn	1016
Matt H. Backer, Jr.		Charles R. Hamm, Jr.	
		Keith J. Peevy	
Hypertensive Disorders of Pregnancy	1002	Care of the High-Risk Neonate	1020
Donald A. G. Barford		Herb Koffler	

Normal Infant Feeding	1036	Toxic Shock Syndrome	1069
Simon Rabinowitz		Michael Jeffrey Barkoviak	
Laurence Finberg		Roger C. Bone	
Diseases of the Breast	1041	<i>Chlamydia Trachomatis</i>	1071
Charles L. Shapiro		Udele V. Taylor	
I. Craig Henderson		Joseph J. Apuzzio	
Endometriosis	1047	Pelvic Inflammatory Disease	1073
Robert S. Schenken		Sherwood C. Lynn, Jr.	
Dysfunctional Uterine Bleeding	1051	Uterine Leiomyomas	1076
Raphael Jewelewicz		Lorraine Dugoff	
Amenorrhea	1052	William D. Schlaff	
Bert Scoccia		Cancer of the Endometrium	1077
Dysmenorrhea	1052	Daniel H. Smith	
H. Trent MacKay		Cancer of the Uterine Cervix	1080
R. Jeffrey Chang		Rolland J. Barrett, II	
Premenstrual Syndrome (PMS)	1058	Neoplasms of the Vulva	1082
John F. Steege		F. J. Montz	
William R. Keye, Jr.		Thrombophlebitis in Obstetrics and	
Menopause	1062	Gynecology	1087
R. Don Gambrell, Jr.		Dale R. Dunnihoo	
Vulvovaginitis	1065	Contraception	1090
Mark G. Martens		Marsha Cline Holleman	

SECTION 16. PSYCHIATRIC DISORDERS

Alcohol-Related Problems	1095	Delirium	1109
René G. Pols		Michael G. Wise	
Drug Abuse	1097	Robert E. Hales	
David J. Roberts		Mood Disorders	1113
Anxiety Disorders	1103	Iris R. Bell	
Martin H. Teicher		Alan J. Gelenberg	
Bulimia Nervosa	1106	Schizophrenic Disorders	1122
Patricia A. Lipscomb		Marvin I. Herz	
		J. Steven Lamberti	
		Panic Disorder and Agoraphobia	1128
		George C. Curtis	

SECTION 17. PHYSICAL AND CHEMICAL INJURIES

Burns	1131	Spider Bites and Scorpion Stings	1144
William R. Clark, Jr.		Larry E. Millikan	
Disturbances Due to Cold	1136	Snakebite	1146
Daniel F. Danzl		Richard C. Dart	
Disturbances Due to Heat	1140	Acute Poisonings	1148
Mahesh Shrestha		Howard C. Mofenson	
Gary Reed		Thomas R. Caraccio	
		Joseph Greensher	

SECTION 18. APPENDICES AND INDEX

Laboratory Values of Clinical Importance	1193	Index	1205
Rex B. Conn			