

CONTENTS

| | |
|---|-------|
| LIST OF CONTRIBUTORS | xix |
| PREFACE | xxvii |
| PART ONE | |
| INTRODUCTION TO CLINICAL MEDICINE | |
| 1 THE PRACTICE OF MEDICINE <i>The Editors</i> | 1 |
| PART TWO | |
| CARDINAL MANIFESTATIONS OF DISEASE: AN APPROACH TO CLINICAL PROBLEMS | |
| 2 PROBLEM-ORIENTED MEDICAL RECORD <i>Stephen E. Goldfinger and James J. Dineen</i> | 9 |
| Section 1 Pain | |
| 3 GENERAL CONSIDERATIONS <i>Raymond D. Adams</i> | 13 |
| 4 HEADACHE <i>Raymond D. Adams</i> | 18 |
| 5 CHEST PAIN AND PALPITATION <i>Eugene Braunwald</i> | 28 |
| 6 ABDOMINAL PAIN <i>William Silen</i> | 34 |
| 7 PAIN IN THE BACK AND NECK <i>Henry J. Mankin and Raymond D. Adams</i> | 38 |
| 8 PAIN IN THE EXTREMITIES <i>D. Eugene Strandness, Jr.</i> | 48 |
| Section 2 Alterations in body temperature | |
| 9 DISTURBANCES OF HEAT REGULATION <i>Robert G. Petersdorf</i> | 53 |
| 10 CHILLS AND FEVER <i>Robert G. Petersdorf</i> | 60 |
| Section 3 Alterations in nervous function | |
| INTRODUCTION <i>Raymond D. Adams</i> | 68 |
| 11 NERVOUSNESS, ANXIETY, DEPRESSION, PERSONALITY DISORDERS, AND NEUROSES <i>Raymond D. Adams</i> | 69 |
| 12 LASSITUDE AND ASTHENIA <i>Raymond D. Adams</i> | 74 |
| 13 FAINTNESS, SYNCOPE, AND EPISODIC WEAKNESS <i>Raymond D. Adams and Eugene Braunwald</i> | 77 |
| 14 DIZZINESS AND VERTIGO <i>Maurice Victor and Raymond D. Adams</i> | 83 |
| 15 MOTOR PARALYSIS <i>Raymond D. Adams</i> | 85 |
| 16 TREMOR, CHOREA, ATHETOSIS, ATAXIA, AND OTHER ABNORMALITIES OF MOVEMENT AND POSTURE | 90 |
| Section 4 Alterations in circulatory and respiratory function | |
| 18 COMMON DISTURBANCES OF VISION, OCULAR MOVEMENT, AND HEARING <i>Maurice Victor and Raymond D. Adams</i> | 101 |
| 19 DISORDERS OF SENSATION <i>Maurice Victor and Raymond D. Adams</i> | 110 |
| 20 COMA AND RELATED DISTURBANCES OF CONSCIOUSNESS <i>Raymond D. Adams</i> | 114 |
| 21 DELIRIUM AND OTHER ACUTE CONFUSIONAL STATES <i>Raymond D. Adams and Maurice Victor</i> | 122 |
| 22 SLEEP AND ITS ABNORMALITIES <i>Raymond D. Adams</i> | 126 |
| 23 THE CONVULSIVE STATE AND IDIOPATHIC EPILEPSY <i>Maria Salam-Adams and Raymond D. Adams</i> | 131 |
| 24 AFFECTIONS OF SPEECH <i>Jay P. Mohr and Raymond D. Adams</i> | 139 |
| 25 DERANGEMENTS OF INTELLECT, MOOD, AND BEHAVIOR, INCLUDING SCHIZOPHRENIA AND MANIC-DEPRESSIVE STATES <i>Raymond D. Adams and Maurice Victor</i> | 147 |
| Section 5 Alterations in gastrointestinal function | |
| 26 COUGH AND HEMOPTYSIS <i>Gennaro M. Tisi and Eugene Braunwald</i> | 159 |
| 27 DYSPNEA AND PULMONARY EDEMA <i>Roland H. Ingram, Jr., and Eugene Braunwald</i> | 162 |
| 28 CYANOSIS, HYPOXIA, AND POLYCYTHEMIA <i>Eugene Braunwald</i> | 166 |
| 29 EDEMA <i>Eugene Braunwald</i> | 171 |
| 30 HYPOTENSION AND THE SHOCK SYNDROME <i>Karl Engelman and Eugene Braunwald</i> | 175 |
| 31 ELEVATION OF ARTERIAL PRESSURE <i>Gordon H. Williams, Karl Engelman, and Eugene Braunwald</i> | 179 |
| 32 SUDDEN CARDIOVASCULAR COLLAPSE AND DEATH <i>Burton E. Sobel and Eugene Braunwald</i> | 182 |
| 33 ORAL MANIFESTATIONS OF DISEASE <i>Paul Goldhaber</i> | 187 |
| 34 DYSPHAGIA <i>Thomas R. Hendrix</i> | 192 |
| 35 INDIGESTION <i>Kurt J. Isselbacher</i> | 194 |
| 36 ANOREXIA, NAUSEA, AND VOMITING <i>Kurt J. Isselbacher</i> | 197 |
| 37 CONSTIPATION, DIARRHEA, AND | |

| | |
|--|--|
| <p>39 JAUNDICE AND HEPATOMEGALY <i>Kurt J. Isselbacher</i></p> <p>40 ABDOMINAL SWELLING AND ASCITES <i>Robert M. Glickman and Kurt J. Isselbacher</i></p> <p>Section 6 Alterations in body weight</p> <p>41 GAIN AND LOSS IN WEIGHT <i>Daniel W. Foster</i></p> <p>Section 7 Alterations in urinary function</p> <p>42 PROTEINURIA, HEMATURIA, AZOTEMIA, AND OLIGURIA <i>Fredric L. Coe</i></p> <p>43 POLYURIA AND NOCTURIA <i>Fredric L. Coe</i></p> <p>44 DYSURIA, INCONTINENCE, AND ENURESIS <i>William Gill and Fredric L. Coe</i></p> <p>Section 8 Alterations in reproductive and sexual function</p> <p>45 DISTURBANCES IN MENSTRUATION, SEXUAL FUNCTION, AND REPRODUCTION IN WOMEN <i>James D. Madden and Jean D. Wilson</i></p> <p>46 HIRSUTISM AND VIRILIZATION <i>Jean D. Wilson</i></p> <p>47 DISTURBANCES OF SEXUAL FUNCTION AND REPRODUCTION IN MEN <i>Patrick C. Walsh and Jean D. Wilson</i></p> <p>Section 9 Alterations in the skin</p> <p>48 INTERPRETATION OF ALTERATIONS IN THE SKIN <i>Thomas B. Fitzpatrick and Harley A. Haynes</i></p> <p>49 SKIN LESIONS OF GENERAL MEDICAL SIGNIFICANCE <i>Thomas B. Fitzpatrick and Harley A. Haynes</i></p> <p>50 GENERALIZED PRURITUS <i>Thomas B. Fitzpatrick and Harley A. Haynes</i></p> <p>51 PIGMENTATION OF THE SKIN AND DISORDERS OF MELANIN METABOLISM <i>Thomas B. Fitzpatrick and David B. Mosher</i></p> <p>52 PHOTOSENSITIVITY AND OTHER REACTIONS TO LIGHT <i>Madhukar A. Pathak, Thomas B. Fitzpatrick, and John A. Parrish</i></p> <p>Section 10 Hematologic alterations</p> <p>53 PALLOR AND ANEMIA <i>H. Franklin Bunn</i></p> <p>54 BLEEDING <i>Hymie L. Nossel</i></p> <p>55 ENLARGEMENT OF LYMPH NODES AND SPLEEN <i>Alexander Fefer</i></p> <p>Section 11 Alterations in laboratory findings</p> <p>56 ABNORMALITIES OF LEUKOCYTES <i>David C. Dale</i></p> <p>57 BIOCHEMICAL ABNORMALITIES AS A PRESENTING COMPLAINT <i>Jean D. Wilson</i></p> | <p>205</p> <p>210</p> <p>Section 6 Alterations in body weight</p> <p>213</p> <p>Section 7 Alterations in urinary function</p> <p>215</p> <p>219</p> <p>222</p> <p>Section 8 Alterations in reproductive and sexual function</p> <p>224</p> <p>227</p> <p>229</p> <p>Section 9 Alterations in the skin</p> <p>232</p> <p>238</p> <p>247</p> <p>248</p> <p>255</p> <p>Section 10 Hematologic alterations</p> <p>262</p> <p>272</p> <p>279</p> <p>Section 11 Alterations in laboratory findings</p> <p>283</p> <p>290</p> <p>PART THREE BIOLOGICAL CONSIDERATIONS IN THE APPROACH TO CLINICAL MEDICINE</p> <p>Section 1 Genetics and human disease</p> <p>58 GENETIC ASPECTS OF HUMAN DISEASE <i>Joseph L. Goldstein and Michael S. Brown</i></p> <p>59 PREVENTION AND TREATMENT OF GENETIC DISORDERS <i>Joseph L. Goldstein and Michael S. Brown</i></p> <p>60 CYTOGENETIC ASPECTS OF HUMAN DISEASE <i>James German</i></p> <p>Section 2 Clinical Immunology</p> <p>61 INTRODUCTION TO CLINICAL IMMUNOLOGY <i>Bruce C. Gilliland</i></p> <p>Diseases of under- and overproduction of immune globulins</p> <p>62 IMMUNE DEFICIENCY DISEASE <i>Alexander R. Lawton III and Max D. Cooper</i></p> <p>63 PLASMA CELL NEOPLASMS AND RELATED DISORDERS <i>Raymond Alexanian</i></p> <p>64 AMYLOIDOSIS <i>Alan S. Cohen</i></p> <p>Diseases of immune-mediated injury</p> <p>65 DISEASES OF IMMEDIATE TYPE HYPERSENSITIVITY <i>K. Frank Austen</i></p> <p>66 IMMUNE-COMPLEX DISEASES <i>Bruce C. Gilliland and Mart Mannik</i></p> <p>67 VASCULITIS <i>Mart Mannik and Bruce C. Gilliland</i></p> <p>68 SYSTEMIC LUPUS ERYTHEMATOSUS <i>Mart Mannik and Bruce C. Gilliland</i></p> <p>69 HISTOCOMPATIBILITY AND TRANSPLANTATION <i>Charles B. Carpenter and John P. Merrill</i></p> <p>Section 3 Clinical pharmacology</p> <p>70 PRINCIPLES OF DRUG THERAPY <i>John A. Oates and Grant R. Wilkinson</i></p> <p>71 ADVERSE REACTIONS TO DRUGS <i>Alastair J. J. Wood and John A. Oates</i></p> <p>72 CLINICAL PHARMACOLOGY OF THE AUTONOMIC NERVOUS SYSTEM <i>David G. Shand and John A. Oates</i></p> <p>Section 4 Nutritional disorders</p> <p>73 NUTRITIONAL REQUIREMENTS <i>Daniel Rudman</i></p> <p>74 ASSESSMENT OF NUTRITIONAL STATUS <i>Daniel Rudman</i></p> <p>75 PROTEIN-ENERGY UNDERNUTRITION <i>Daniel Rudman</i></p> <p>76 OBESITY <i>Jerrold M. Olefsky</i></p> <p>77 ANOREXIA NERVOSA <i>Robert M. Boyar</i></p> <p>78 DIETARY THERAPY AND PARENTERAL NUTRITION <i>Khursheed N. Jeejeebhoy</i></p> |
|--|--|

| | | | |
|----|---|-----|--|
| 79 | DEFICIENCY OF NIACIN (PELLAGRA) <i>Jean D. Wilson and Leonard L. Madison</i> | 424 | |
| 80 | DEFICIENCY OF THIAMINE (BERIBERI), PYRIDOXINE, AND RIBOFLAVIN <i>Jean D. Wilson and Leonard L. Madison</i> | 425 | |
| 81 | DEFICIENCY OF VITAMIN C (SCURVY) <i>Jean D. Wilson</i> | 429 | Disorders of lipid metabolism |
| 82 | DEFICIENCY OF VITAMINS A AND K AND HYPERVITAMINOSIS A <i>Jean D. Wilson</i> | 431 | 100 THE HYPERLIPOPROTEINEMIAS AND OTHER DISORDERS OF LIPID METABOLISM <i>Michael S. Brown and Joseph L. Goldstein</i> 507 |
| 83 | DISTURBANCES IN TRACE ELEMENT METABOLISM <i>David D. Ulmer</i> | 432 | 101 LYSOSOMAL STORAGE DISEASES <i>Arthur L. Beaudet</i> 518 |
| | Section 5 Metabolic considerations | | 102 RARE DISORDERS OF ADIPOSE TISSUE <i>Daniel W. Foster</i> 528 |
| 84 | FLUIDS AND ELECTROLYTES <i>Norman G. Levinsky</i> | 435 | Genetic disorders affecting multiple organ systems |
| 85 | ACIDOSIS AND ALKALOSIS <i>Norman G. Levinsky</i> | 444 | 103 DISORDERS OF CONNECTIVE TISSUE <i>Philip J. Fialkow</i> 530 |
| 86 | INTERMEDIARY METABOLISM OF CARBOHYDRATES, LIPIDS, AND PROTEINS <i>Daniel W. Foster and J. Denis McGarry</i> | 450 | 104 OTHER DISORDERS INVOLVING MULTIPLE ORGAN SYSTEMS <i>Philip J. Fialkow</i> 536 |
| | Section 6 Metabolic disorders | | PART FOUR |
| 87 | OVERVIEW OF INHERITED METABOLIC DISEASES <i>Leon E. Rosenberg</i> | 455 | DISORDERS CAUSED BY BIOLOGICAL AND ENVIRONMENTAL AGENTS |
| | Disorders of amino acid metabolism | | Section 1 Important considerations In Infectious disease |
| 88 | INHERITED DISORDERS OF AMINO ACID METABOLISM <i>Leon E. Rosenberg</i> | 462 | 105 AN APPROACH TO INFECTIOUS DISEASES <i>Robert G. Petersdorf</i> 539 |
| 89 | STORAGE DISEASES OF AMINO ACID METABOLISM <i>Leon E. Rosenberg</i> | 468 | 106 THE DIAGNOSIS OF INFECTIOUS DISEASES <i>James J. Plorde and Robert G. Petersdorf</i> 543 |
| 90 | INHERITED DEFECTS OF MEMBRANE TRANSPORT <i>Leon E. Rosenberg and Elizabeth M. Short</i> | 470 | 107 INFECTIONS IN THE COMPROMISED HOST <i>David C. Dale</i> 552 |
| 91 | CARCINOID SYNDROME <i>John A. Oates</i> | 476 | 108 HOSPITAL-ACQUIRED INFECTIONS <i>Pierce Gardner and William A. Causey</i> 556 |
| | Disorders of nucleic acid metabolism | | 109 GRAM-NEGATIVE BACTEREMIA AND SEPTIC SHOCK <i>Robert G. Petersdorf and David C. Dale</i> 561 |
| 92 | GOUT AND OTHER DISORDERS OF PURINE METABOLISM <i>William N. Kelley</i> | 479 | 110 LOCALIZED INFECTIONS AND ABSCESSSES <i>Robert G. Petersdorf and Jan V. Hirschmann</i> 566 |
| 93 | HEREDITARY OROTIC ACIDURIA <i>William N. Kelley</i> | 487 | 111 CHEMOTHERAPY OF INFECTION <i>William M. M. Kirby</i> 573 |
| | Disorders of metals and metallo proteins | | 112 ACUTE INFECTIOUS DIARRHEAL DISEASE AND BACTERIAL FOOD POISONING <i>Charles C. J. Carpenter</i> 586 |
| 94 | HEMOCHROMATOSIS <i>Lawrie W. Powell and Kurt J. Isselbacher</i> | 488 | 113 SEXUALLY TRANSMITTED DISEASES <i>King K. Holmes</i> 589 |
| 95 | WILSON'S DISEASE <i>I. Herbert Scheinberg</i> | 491 | 114 PREVENTION OF INFECTION: IMMUNIZATION AND ANTIMICROBIAL PROPHYLAXIS <i>Lawrence Corey and Robert G. Petersdorf</i> 595 |
| 96 | PORPHYRIAS <i>Urs A. Meyer</i> | 494 | Section 2 Infections caused by gram-positive cocci |
| | Disorders of carbohydrate metabolism | | 115 PNEUMOCOCCAL INFECTIONS <i>Robert Austrian</i> 603 |
| 97 | DISEASES OF GLYCOGEN METABOLISM <i>James B. Field</i> | 500 | 116 STAPHYLOCOCCAL INFECTIONS <i>Marvin Turck and Walter Stamm</i> 608 |
| 98 | GALACTOSEMIA <i>Kurt J. Isselbacher</i> | 505 | 117 STREPTOCOCCAL INFECTIONS <i>Alan L. Bisno</i> 613 |
| 99 | HEREDITARY FRUCTOSE INTOLERANCE <i>Daniel W. Foster</i> | 506 | Section 3 Diseases caused by gram-negative cocci |
| | | | 118 MENINGOCOCCAL INFECTIONS <i>Harry N. Beatty</i> 620 |
| | | | 119 GONOCOCCAL INFECTIONS <i>King K. Holmes</i> 624 |

| | | |
|-----|---|------------|
| | Section 7 Mycobacterial diseases | |
| 143 | TUBERCULOSIS <i>William W. Stead and Joseph H. Bates</i> | 700 |
| 144 | LEPROSY <i>Charles C. Shepard</i> | 711 |
| 145 | OTHER MYCOBACTERIAL INFECTIONS <i>Charles C. Shepard</i> | 714 |
| | Section 8 Spirochetal diseases | |
| 146 | SYPHILIS <i>King K. Holmes</i> | 716 |
| 147 | NONVENEREAL TREPONEMATOSES: YAWS, PINTA, AND ENDEMIC SYPHILIS <i>King K. Holmes and Peter L. Perine</i> | 726 |
| 148 | LEPTOSPIROSIS <i>Jay P. Sanford</i> | 728 |
| 149 | RELAPSING FEVER <i>James J. Plorde</i> | 731 |
| | Section 9 Infections caused by higher bacteria and fungi | |
| 150 | GENERAL CONSIDERATIONS <i>John E. Bennett</i> | 733 |
| 151 | ACTINOMYCOSIS <i>John E. Bennett</i> | 734 |
| 152 | NOCARDIOSIS <i>John E. Bennett</i> | 735 |
| 153 | CRYPTOCOCCOSIS <i>John E. Bennett</i> | 736 |
| 154 | BLASTOMYCOSIS <i>John E. Bennett</i> | 737 |
| 155 | HISTOPLASMOSIS <i>John E. Bennett</i> | 738 |
| 156 | COCCIDIOIDOMYCOSIS <i>John E. Bennett</i> | 739 |
| 157 | SPOROTRICHOSIS <i>John E. Bennett</i> | 740 |
| 158 | CANDIDIASIS <i>John E. Bennett</i> | 741 |
| 159 | ASPERGILLOSIS <i>John E. Bennett</i> | 742 |
| 160 | MUCORMYCOSIS <i>John E. Bennett</i> | 743 |
| 161 | OTHER DEEP MYCOSES: PARACOCCIDIOIDO- MYCOSIS, PETRIELLIDIOSIS, TORULOPSOSIS, MYCETOMA, AND CHROMOMYCOSIS <i>John E. Bennett</i> | 744 |
| 162 | DERMATOPHYTOSIS <i>John E. Bennett</i> | 745 |
| | Section 10 The rickettsioses | |
| 163 | GENERAL CONSIDERATIONS <i>Theodore E. Woodward</i> | 746 |
| 164 | ROCKY MOUNTAIN SPOTTED FEVER <i>Theodore E. Woodward</i> | 750 |
| 165 | OTHER TICK-BORNE RICKETTSIAL DISEASES <i>Theodore E. Woodward</i> | 753 |
| 166 | RICKETTSIALPOX <i>Theodore E. Woodward</i> | 753 |
| 167 | MURINE (ENDEMIC) TYPHUS FEVER <i>Theodore E. Woodward</i> | 754 |
| 168 | EPIDEMIC TYPHUS FEVER AND BRILL- ZINSSER DISEASE <i>Theodore E. Woodward</i> | 755 |
| | Section 4 Diseases caused by enteric gram- negative bacilli | |
| 120 | INFECTIONS DUE TO ENTEROBACTERIACEAE <i>Marvin Turck and Dennis Schaberg</i> | 629 |
| 121 | PSEUDOMONAS, ACINETOBACTER, AND EIKENELLA INFECTIONS <i>Marvin Turck and Dennis Schaberg</i> | 634 |
| 122 | MELIOIDOSIS AND GLANDERS <i>Jay P. Sanford</i> | 637 |
| 123 | SALMONELLA INFECTIONS <i>Edward W. Hook and Richard L. Guerrant</i> | 641 |
| 124 | SHIGELLOSIS <i>Harry N. Beaty</i> | 648 |
| 125 | HEMOPHILUS INFECTIONS <i>David H. Smith</i> | 650 |
| 126 | CHANCROID <i>King K. Holmes and Alan R. Ronald</i> | 657 |
| 127 | BRUCELLOSIS <i>Wesley W. Spink</i> | 658 |
| 128 | TULAREMIA <i>Leighton E. Cluff</i> | 660 |
| 129 | YERSINIA (PASTEURELLA) INFECTIONS, INCLUDING PLAGUE <i>Joseph E. Johnson III</i> | 662 |
| 130 | RAT-BITE FEVER (<i>STREPTOBACILLUS</i> <i>MONILIFORMIS</i> AND <i>SPIRILLUM MINUS</i> INFECTIONS) <i>Jan V. Hirschmann</i> | 666 |
| | Section 5 Other aerobic bacterial infections | |
| 131 | ANTHRAX <i>Leighton E. Cluff</i> | 667 |
| 132 | INFECTIONS CAUSED BY <i>LISTERIA</i> <i>MONOCYTOGENES</i> AND <i>ERYSIPEROLOTHRIX</i> <i>RHUSIOPATHIAE</i> <i>Paul D. Hoeprich</i> | 669 |
| 133 | DIPHTHERIA <i>James P. Harnisch</i> | 671 |
| 134 | CHOLERA AND <i>VIBRIO PARAHEMOLYTICUS</i> INFECTIONS <i>Charles C. J. Carpenter</i> | 676 |
| 135 | CAMPYLOBACTER <i>FETUS</i> AND NON- CHOLERAIC <i>VIBRIO</i> INFECTIONS <i>Marvin Turck and Dennis Schaberg</i> | 678 |
| 136 | BARTONELLOSIS <i>James J. Plorde</i> | 679 |
| 137 | GRANULOMA INGUINALE <i>King K. Holmes</i> | 680 |
| 138 | LEGIONNAIRES' DISEASE <i>Harry N. Beaty</i> | 682 |
| | Section 6 Diseases caused by anaerobic bacteria | |
| 139 | TETANUS <i>Harry N. Beaty</i> | 685 |
| 140 | BOTULISM <i>Harry N. Beaty and Robert W. Graebner</i> | 688 |
| 141 | OTHER CLOSTRIDIAL INFECTIONS <i>Edward W. Hook and Merle A. Sande</i> | 691 |
| 142 | INFECTIONS DUE TO MIXED ANAEROBIC ORGANISMS <i>Lawrence L. Pelletier, Jr.</i> | 694 |

| | | | | |
|-----|--|-----|-----|---|
| 169 | SCRUB TYPHUS <i>Theodore E. Woodward</i> | 756 | | |
| 170 | Q FEVER <i>Theodore E. Woodward</i> | 757 | | |
| 171 | TRENCH FEVER <i>Theodore E. Woodward</i> | 758 | 188 | MUMPS <i>C. George Ray and Robert G. Petersdorf</i> |
| | Section 11 Mycoplasma diseases | | 189 | RABIES AND OTHER RHABDOVIRUSES <i>Lawrence Corey</i> |
| 172 | RESPIRATORY INFECTION WITH MYCOPLASMA PNEUMONIAE <i>Vernon Knight</i> | 759 | 190 | ARBOVIRUS INFECTIONS <i>Jay P. Sanford</i> |
| | Section 12 Chlamydial infections | | 191 | ARENAVIRUS INFECTIONS <i>Jay P. Sanford</i> |
| 173 | GENERAL CONSIDERATIONS <i>J. Thomas Grayston and King K. Holmes</i> | 761 | 192 | DISEASES CAUSED BY SLOW VIRUSES <i>Donald H. Harter</i> |
| 174 | DISEASES DUE TO CHLAMYDIA <i>TRACHOMATIS</i> <i>King K. Holmes, J. Thomas Grayston, Chandler R. Dawson, and Peter L. Perine</i> | 763 | | Herpesviruses |
| 175 | PSITTACOSIS <i>Vernon Knight</i> | 769 | 193 | INFECTIONS WITH HERPES SIMPLEX VIRUS <i>A. Martin Lerner</i> |
| | Section 13 Viral diseases | | 194 | CYTOMEGALIC INCLUSION DISEASE (SALIVARY GLAND VIRUS DISEASE) <i>C. George Ray</i> |
| 176 | INTRODUCTION TO VIRUS INFECTIONS: CLASSIFICATION, PATHOGENESIS, EPIDEMIOLOGY, DIAGNOSIS, AND CONTROL <i>A. Martin Lerner</i> | 771 | 195 | EPSTEIN-BARR VIRUS INFECTIONS, INCLUDING INFECTIOUS MONONUCLEOSIS <i>James C. Niederman</i> |
| | Respiratory viruses | | | Miscellaneous and presumptive viral infections |
| 177 | GENERAL CONSIDERATIONS OF VIRAL RESPIRATORY DISEASES <i>Vernon Knight</i> | 778 | 196 | WARTS AND MOLLUSCUM CONTAGIOSUM <i>Lawrence Corey</i> |
| 178 | COMMON VIRAL RESPIRATORY ILLNESSES: RHINOVIRUSES, HERPESVIRUSES, PARAINFLUENZA VIRUSES, CORONAVIRUSES, RESPIRATORY SYNCYTIAL VIRUS, ADENOVIRUSES, COXSACKIEVIRUSES, AND ECHOVIRUSES <i>Vernon Knight</i> | 779 | 197 | CAT-SCRATCH DISEASE <i>Robert G. Petersdorf</i> |
| 179 | INFLUENZA <i>Vernon Knight</i> | 785 | | Section 14 Infections caused by protozoa |
| | Exanthems and enanthems | | 198 | APPROACH TO THE PATIENT WITH PROTOZOAN INFECTION <i>James J. Plorde</i> |
| 180 | APPROACH TO THE PATIENT WITH RASH AND FEVER <i>Lawrence Corey</i> | 789 | 199 | AMEBIASIS <i>James J. Plorde</i> |
| 181 | MEASLES (RUBEOLA) <i>C. George Ray</i> | 793 | 200 | MALARIA <i>James J. Plorde</i> |
| 182 | RUBELLA ('GERMAN MEASLES') <i>C. George Ray</i> | 795 | 201 | LEISHMANIASIS <i>James J. Plorde</i> |
| 183 | OTHER VIRAL EXANTHEMATOUS DISEASES <i>C. George Ray</i> | 797 | 202 | TRYPANOSOMIASIS <i>James J. Plorde</i> |
| 184 | SMALLPOX, VACCINIA, AND COWPOX <i>C. George Ray</i> | 798 | 203 | TOXOPLASMOSIS <i>Rima McLeod and Jack S. Remington</i> |
| 185 | CHICKENPOX (VARICELLA) AND HERPES ZOSTER <i>C. George Ray</i> | 801 | 204 | PNEUMOCYSTIS CARINII PNEUMONIA (PNEUMOCYSTOSIS, INTERSTITIAL PLASMA CELL PNEUMONIA) <i>C. George Ray</i> |
| | Central nervous system viruses | | 205 | MINOR PROTOZOAN DISEASES <i>James J. Plorde</i> |
| 186 | APPROACH TO THE PATIENT WITH ASEPTIC MENINGITIS OR ENCEPHALITIS <i>Lawrence Corey</i> | 805 | | Section 15 Infections caused by worms |
| 187 | ENTERIC VIRUSES: COXSACKIEVIRUSES, ECHOVIRUSES, POLIOVIRUSES, REOVIRUSES, PARVOVIRUSES, AND ROTAVIRUSES <i>A. Martin Lerner</i> | 808 | 206 | APPROACH TO THE PATIENT WITH HELMINTHIC DISEASE <i>James J. Plorde</i> |
| | | | 207 | TISSUE NEMATODES <i>James J. Plorde</i> |
| | | | 208 | TRICHINOSIS <i>James J. Plorde</i> |
| | | | 209 | FILARIASIS <i>James J. Plorde</i> |
| | | | 210 | INTESTINAL NEMATODES <i>James J. Plorde</i> |

| | | | | |
|---|--|-----|---|------|
| | | 231 | PHYSICAL EXAMINATION OF THE HEART <i>Robert A. O'Rourke and Eugene Braunwald</i> | 993 |
| 211 | SCHISTOSOMIASIS (BILHARZIASIS) <i>James J. Plorde</i> | 907 | 232 ELECTROCARDIOGRAPHY <i>Robert J. Myerburg</i> | 999 |
| 212 | OTHER TREMATODES OR FLUKES <i>James J. Plorde</i> | 911 | 233 ECHOCARDIOGRAPHY AND OTHER NONINVASIVE METHODS OF CARDIAC EXAMINATION <i>Robert A. O'Rourke and John Ross, Jr.</i> | 1011 |
| 213 | CESTODE (TAPEWORM) INFECTIONS <i>James J. Plorde</i> | 914 | 234 CARDIAC CATHETERIZATION AND ANGIOGRAPHY <i>John Ross, Jr., and Kirk L. Peterson</i> | 1018 |
| Section 16 Diseases caused by bites and stings | | | | |
| 214 | SCABIES, CHIGGERS, AND OTHER ECTOPARASITES <i>James J. Plorde</i> | 919 | Functional abnormalities of the heart | |
| 215 | DISORDERS CAUSED BY VENOMS, BITES, AND STINGS <i>James F. Wallace</i> | 921 | 235 DISORDERS OF MYOCARDIAL FUNCTION <i>Eugene Braunwald, John Ross, Jr., and Edmund H. Sonnenblick</i> | 1025 |
| Section 17 Diseases of uncertain etiology | | | | |
| 216 | SARCOIDOSIS <i>Carol J. Johns</i> | 928 | 236 HEART FAILURE <i>Eugene Braunwald</i> | 1035 |
| 217 | FAMILIAL MEDITERRANEAN FEVER (FAMILIAL PAROXYSMAL POLYSEROSITIS) <i>Sheldon M. Wolff</i> | 932 | 237 CARDIAC DYSRHYTHMIAS <i>Burton E. Sobel and Eugene Braunwald</i> | 1044 |
| 218 | WEGENER'S GRANULOMATOSIS AND MIDLINE GRANULOMA <i>Sheldon M. Wolff</i> | 935 | Medical treatment of heart disease | |
| Section 18 Diseases due to environmental hazards | | | | |
| 219 | TOBACCO SMOKING <i>John H. Holbrook</i> | 938 | 238 PHARMACOLOGIC TREATMENT OF CARDIOVASCULAR DISORDERS <i>Eugene Braunwald</i> | 1064 |
| 220 | RADIATION INJURY <i>E. Donnall Thomas and Eugene P. Cronkite</i> | 941 | 239 ELECTRICAL REVERSION OF CARDIAC ARRHYTHMIAS <i>Bernard Lown</i> | 1072 |
| 221 | ELECTRICAL INJURIES <i>James F. Wallace</i> | 945 | Specific cardiac diseases | |
| 222 | DROWNING AND NEAR-DROWNING <i>James F. Wallace</i> | 947 | 240 CONGENITAL HEART DISEASE <i>William F. Friedman and Eugene Braunwald</i> | 1075 |
| Section 19 Chemical intoxication | | | | |
| 223 | GENERAL CONSIDERATIONS AND PRINCIPLES OF MANAGEMENT <i>Paul A. Friedman</i> | 949 | 241 RHEUMATIC FEVER <i>Gene H. Stollerman</i> | 1090 |
| 224 | COMMON POISONS <i>Paul A. Friedman</i> | 953 | 242 VALVULAR HEART DISEASE <i>Eugene Braunwald</i> | 1096 |
| 225 | HEAVY METALS <i>David C. Poskanzer</i> | 965 | 243 INFECTIVE ENDOCARDITIS <i>Lawrence L. Pelletier, Jr., and Robert G. Petersdorf</i> | 1112 |
| 226 | ALCOHOL <i>Maurice Victor and Raymond D. Adams</i> | 969 | 244 ISCHEMIC HEART DISEASE <i>Eugene Braunwald, Peter F. Cohn, and Richard S. Ross</i> | 1116 |
| 227 | OPIATES AND SYNTHETIC ANALGESICS <i>Maurice Victor and Raymond D. Adams</i> | 978 | 245 ACUTE MYOCARDIAL INFARCTION <i>Eugene Braunwald, Joseph S. Alpert, and Richard S. Ross</i> | 1125 |
| 228 | BARBITURATES <i>Maurice Victor and Raymond D. Adams</i> | 982 | 246 COR PULMONALE <i>Alfred P. Fishman</i> | 1136 |
| 229 | NONBARBITURATE SEDATIVE-HYPNOTICS; PSYCHOTHERAPEUTIC, STIMULANT, AND PSYCHOTOGENIC DRUGS <i>Maurice Victor and Raymond D. Adams</i> | 985 | 247 THE CARDIOMYOPATHIES AND MYOCARDITIDES <i>Gerald Glick and Eugene Braunwald</i> | 1141 |
| PART FIVE | | | | |
| DISEASES OF THE ORGAN SYSTEMS | | | | |
| Section 1 Disorders of the heart | | | | |
| Diagnostic methods | | | | |
| 230 | APPROACH TO THE PATIENT WITH HEART DISEASE <i>Eugene Braunwald</i> | 991 | Section 2 Disorders of the vascular system | |
| | | 250 | ATHEROSCLEROSIS AND OTHER FORMS OF ARTERIOSCLEROSIS <i>Edwin L. Bierman</i> | 1156 |
| | | 251 | HYPERTENSIVE VASCULAR DISEASE <i>Gordon H. Williams, Paul I. Jagger, and Eugene Braunwald</i> | 1167 |
| | | 252 | DISEASES OF THE AORTA <i>James E. Dalen</i> | 1178 |

| | | |
|---|---|------|
| 253 | VASCULAR DISEASES OF THE EXTREMITIES <i>D. Eugene Strandness, Jr.</i> | 1181 |
| Section 3 Disorders of the respiratory system | | |
| Diagnostic methods | | |
| 254 | APPROACH TO THE PATIENT WITH DISEASE OF THE RESPIRATORY SYSTEM <i>Eugene Braunwald</i> | 1189 |
| 255 | DISTURBANCES OF RESPIRATORY FUNCTION <i>John B. West</i> | 1191 |
| 256 | FIBEROPTIC BRONCHOSCOPY AND OTHER DIAGNOSTIC PROCEDURES <i>Kenneth M. Moser</i> | 1199 |
| Lung disease caused by immunologic and environmental injury | | |
| 257 | ASTHMA <i>E.R. McFadden, Jr., and K. Frank Austen</i> | 1203 |
| 258 | HYPERSensitivity PNEUMONITIS <i>Daniel J. Stechschulte and K. Frank Austen</i> | 1210 |
| 259 | ENVIRONMENTAL LUNG DISEASE <i>Arend Bouhuys and J. Bernard L. Gee</i> | 1214 |
| Pulmonary infections | | |
| 260 | PNEUMONIA AND LUNG ABSCESS <i>Jan V. Hirschmann, John F. Murray, and Robert G. Petersdorf</i> | 1223 |
| 261 | BRONCHIECTASIS AND BRONCHOLITHIASIS <i>John F. Murray</i> | 1229 |
| 262 | CYSTIC FIBROSIS <i>Harry L. Shwachman</i> | 1233 |
| Diffuse lung disease | | |
| 263 | CHRONIC BRONCHITIS, EMPHYSEMA, AND CHRONIC AIRWAYS OBSTRUCTION <i>Roland H. Ingram, Jr.</i> | 1235 |
| 264 | DIFFUSE INFILTRATIVE DISEASES OF THE LUNG <i>John F. Murray</i> | 1241 |
| Vascular diseases of the lung | | |
| 265 | PRIMARY PULMONARY HYPERTENSION <i>John Ross, Jr.</i> | 1247 |
| 266 | PULMONARY THROMBOEMBOLISM <i>Kenneth M. Moser</i> | 1249 |
| Other abnormalities of the respiratory tract | | |
| 267 | DISEASES OF THE UPPER RESPIRATORY TRACT <i>Louis Weinstein</i> | 1254 |
| 268 | NEOPLASMS OF THE LUNG <i>Gennaro M. Tisi</i> | 1259 |
| 269 | DISEASES OF THE PLEURA, MEDIASTINUM, AND DIAPHRAGM <i>Nicholas A. Saunders and Roland H. Ingram, Jr.</i> | 1265 |
| 270 | DISORDERS OF REGULATION OF RESPIRATION <i>John B. West</i> | 1271 |
| 271 | ADULT RESPIRATORY DISTRESS SYNDROME <i>Roland H. Ingram, Jr.</i> | 1276 |
| 272 | MANAGEMENT OF ACUTE RESPIRATORY FAILURE <i>Kenneth M. Moser</i> | 1278 |
| Section 4 Diseases of the kidney and urinary tract | | |
| 273 | APPROACH TO THE PATIENT WITH DISEASES OF THE KIDNEYS AND URINARY TRACT <i>Frederic L. Coe and Barry M. Brenner</i> | 1283 |
| 274 | DISTURBANCES OF RENAL FUNCTION <i>Barry M. Brenner and Thomas H. Hostetter</i> | 1286 |
| 275 | ACUTE RENAL FAILURE <i>Robert J. Anderson and Robert W. Schrier</i> | 1293 |
| 276 | CHRONIC RENAL FAILURE <i>Barry M. Brenner and J. Michael Lazarus</i> | 1299 |
| 277 | IMMUNOPATHOGENETIC MECHANISMS OF RENAL INJURY <i>Richard J. Glasscock and Barry M. Brenner</i> | 1307 |
| 278 | THE MAJOR GLOMERULOPATHIES <i>Richard J. Glasscock and Barry M. Brenner</i> | 1311 |
| 279 | GLOMERULOPATHIES ASSOCIATED WITH MULTISYSTEM AND HEREOFAMILIAL DISEASES <i>Richard J. Glasscock and Barry M. Brenner</i> | 1320 |
| 280 | URINARY TRACT INFECTION, PYELONEPHRITIS, AND RELATED CONDITIONS <i>Walter Stamm and Marvin Turk</i> | 1327 |
| 281 | TUBULOINTERSTITIAL DISEASES OF THE KIDNEY <i>Barry M. Brenner, Thomas H. Hostetter, and H. David Humes</i> | 1333 |
| 282 | VASCULAR INJURY TO THE KIDNEY <i>Norman K. Hollenberg</i> | 1338 |
| 283 | HEREDITARY TUBULAR DISORDERS <i>Satish Kathpalia and Fredric L. Coe</i> | 1343 |
| 284 | NEPHROLITHIASIS <i>Fredric L. Coe and Murray J. Favus</i> | 1349 |
| 285 | URINARY TRACT OBSTRUCTION <i>Barry M. Brenner and H. David Humes</i> | 1353 |
| 286 | TUMORS OF THE URINARY TRACT <i>Barry M. Brenner and H. David Humes</i> | 1355 |
| Section 5 Disorders of the alimentary tract | | |
| 287 | APPROACH TO THE PATIENT WITH GASTROINTESTINAL DISEASE <i>Kurt J. Isselbacher and Roger J. May</i> | 1357 |
| 288 | GASTROINTESTINAL ENDOSCOPY <i>Fred E. Silverstein and Cyrus E. Rubin</i> | 1360 |
| 289 | DISEASES OF THE ESOPHAGUS <i>Thomas R. Hendrix</i> | 1365 |
| 290 | PEPTIC ULCER <i>James E. McGuigan</i> | 1371 |
| 291 | CANCER, BENIGN TUMORS, GASTRITIS, AND OTHER GASTRIC DISEASES <i>Walter C. MacDonald and Cyrus E. Rubin</i> | 1385 |
| 292 | DISORDERS OF ABSORPTION <i>Norton J. Greenberger and Kurt J. Isselbacher</i> | 1392 |
| 293 | DISEASES OF THE SMALL INTESTINE <i>Robert M. Glickman and Kurt J. Isselbacher</i> | 1410 |
| 294 | DISEASES OF THE COLON AND RECTUM <i>J. Thomas LaMont and Kurt J. Isselbacher</i> | 1419 |
| 295 | ACUTE INTESTINAL OBSTRUCTION <i>William Silen</i> | 1437 |

| | | | | | |
|--|--|------|--------------------------------------|---|------|
| 296 | ACUTE APPENDICITIS <i>William Silen</i> | 1439 | 315 | DISORDERS OF HEMOGLOBIN STRUCTURE, FUNCTION, AND SYNTHESIS <i>H. Franklin Bunn</i> | 1546 |
| 297 | DISEASES OF THE PERITONEUM AND MESENTERY <i>Kurt J. Isselbacher and J. Thomas LaMont</i> | 1442 | 316 | Clotting disorders PLATELET DISORDERS <i>Hymie L. Nossel</i> | 1555 |
| Section 6 Disorders of the hepatobiliary system | | | | | |
| 298 | APPROACH TO THE PATIENT WITH LIVER DISEASE <i>Kurt J. Isselbacher</i> | 1443 | 317 | BLEEDING DISORDERS DUE TO VESSEL WALL ABNORMALITIES <i>Hymie L. Nossel</i> | 1559 |
| 299 | DERANGEMENTS OF HEPATIC METABOLISM <i>David A. Shafritz, Sing Heim Yap, and Kurt J. Isselbacher</i> | 1445 | 318 | DISORDERS OF BLOOD COAGULATION FACTORS <i>Hymie L. Nossel</i> | 1560 |
| 300 | DIAGNOSTIC PROCEDURES IN LIVER DISEASE <i>Kurt J. Isselbacher and J. Thomas LaMont</i> | 1450 | | Other hematologic disorders | |
| 301 | DISTURBANCES OF BILIRUBIN METABOLISM <i>Kurt J. Isselbacher</i> | 1454 | 319 | BLOOD GROUPS AND BLOOD TRANSFUSION <i>Eloise R. Giblett</i> | 1568 |
| 302 | ACUTE HEPATITIS <i>Jules L. Dienstag, Jack R. Wands, and Raymond S. Koff</i> | 1459 | 320 | POLYCYTHEMIA VERA <i>John W. Adamson</i> | 1576 |
| 303 | CHRONIC ACTIVE HEPATITIS <i>Jack R. Wands, Raymond S. Koff, and Kurt J. Isselbacher</i> | 1470 | 321 | AGNOGENIC MYELOID METAPLASIA <i>John W. Adamson</i> | 1579 |
| 304 | CIRRHOSIS <i>J. Thomas LaMont, Raymond S. Koff, and Kurt J. Isselbacher</i> | 1473 | 322 | DISEASES OF THE SPLEEN AND RETICULOENDOTHELIAL SYSTEM <i>Alexander Fefer</i> | 1581 |
| 305 | TUMORS OF THE LIVER <i>Elliot Alpert and Kurt J. Isselbacher</i> | 1484 | Section 9 Neoplasia | | |
| 306 | INFILTRATIVE AND METABOLIC DISEASES AFFECTING THE LIVER <i>Kurt J. Isselbacher and J. Thomas LaMont</i> | 1486 | 323 | PRINCIPLES OF NEOPLASIA: APPROACH TO DIAGNOSIS AND MANAGEMENT <i>John E. Ultmann and Harvey M. Golomb</i> | 1583 |
| 307 | DISEASES OF THE GALLBLADDER AND BILE DUCTS <i>Leslie J. Schoenfield</i> | 1489 | 324 | PRINCIPLES OF CANCER THERAPY <i>Vincent T. DeVita, Jr.</i> | 1597 |
| Section 7 Disorders of the pancreas | | | | | |
| 308 | APPROACH TO THE PATIENT WITH PANCREATIC DISEASE <i>Norton J. Greenberger and Phillip P. Toskes</i> | 1498 | 325 | THE ACUTE LEUKEMIAS <i>Bayard Clarkson</i> | 1620 |
| 309 | DISEASES OF THE PANCREAS <i>Norton J. Greenberger, Phillip P. Toskes, and Kurt J. Isselbacher</i> | 1502 | 326 | THE CHRONIC LEUKEMIAS <i>George P. Canellos</i> | 1630 |
| Section 8 Disorders of the hematopoietic system | | | | | |
| | Red blood cell disorders | | 327 | HODGKIN'S DISEASE AND OTHER LYMPHOMAS <i>John E. Ultmann and Vincent T. DeVita, Jr.</i> | 1633 |
| 310 | IRON-DEFICIENCY ANEMIA AND THE SIDEROBLASTIC ANEMIAS <i>G. Richard Lee, Maxwell M. Wintrobe, and H. Franklin Bunn</i> | 1514 | 328 | CUTANEOUS MANIFESTATIONS OF INTERNAL MALIGNANCY <i>Harley A. Haynes and Thomas B. Fitzpatrick</i> | 1647 |
| 311 | MEGALOBLASTIC ANEMIAS <i>Bernard M. Babior and H. Franklin Bunn</i> | 1518 | 329 | PRIMARY CANCER OF THE SKIN <i>Harley A. Haynes</i> | 1653 |
| 312 | BONE MARROW FAILURE: APLASTIC ANEMIA AND OTHER DISORDERS OF THE BONE MARROW <i>Joel M. Rappeport and H. Franklin Bunn</i> | 1525 | 330 | MALIGNANT MELANOMA OF THE SKIN <i>Thomas B. Fitzpatrick, Arthur J. Sober, and Martin C. Mihm, Jr.</i> | 1654 |
| 313 | ANEMIA ASSOCIATED WITH CHRONIC SYSTEMIC DISORDERS <i>H. Franklin Bunn</i> | 1530 | Section 10 Endocrine diseases | | |
| 314 | HEMOLYTIC ANEMIAS <i>Richard A. Cooper and H. Franklin Bunn</i> | 1533 | 331 | PRINCIPLES OF ENDOCRINOLOGY <i>Jean D. Wilson</i> | 1657 |
| | | | 332 | ENDORPHINS (OPIOID PEPTIDES) <i>Roger H. Unger and Eli Ipp</i> | 1663 |
| | | | 333 | DISEASES OF THE HYPOTHALAMUS AND ANTERIOR PITUITARY <i>Peter O. Kohler</i> | 1667 |
| | | | 334 | DISORDERS OF THE NEUROHYPOPHYYSIS <i>David H. P. Streeten, Arnold M. Moses, and Myron Miller</i> | 1684 |
| | | | 335 | DISEASES OF THE THYROID <i>Sidney H. Ingbar and Kenneth A. Woeber</i> | 1694 |
| | | | 336 | DISEASES OF THE ADRENAL CORTEX <i>Gordon H. Williams, Robert G. Dluhy, and George W. Thorn</i> | 1711 |
| | | | 337 | PHEOCHROMOCYTOMA <i>O. Bryan Holland</i> | 1736 |

| | | |
|--|--|------|
| 338 | DIABETES MELLITUS <i>Daniel W. Foster</i> | 1741 |
| 339 | LACTIC ACIDOSIS <i>Daniel W. Foster</i> | 1755 |
| 340 | HYPOGLYCEMIA, INSULINOMA, AND OTHER HORMONE-SECRETING TUMORS OF THE PANCREAS <i>Daniel W. Foster and Arthur H. Rubenstein</i> | 1758 |
| 341 | DISEASES OF THE TESTIS <i>James E. Griffin and Jean D. Wilson</i> | 1764 |
| 342 | DISEASES OF THE OVARY <i>Janet W. McArthur</i> | 1775 |
| 343 | DISEASES OF THE BREAST AND OF MILK FORMATION <i>Kendall Emerson, Jr., and Jean D. Wilson</i> | 1787 |
| 344 | DISORDERS OF SEXUAL DIFFERENTIATION <i>Jean D. Wilson and James E. Griffin</i> | 1794 |
| 345 | SEXUAL COUNSELING <i>Peter Reich</i> | 1808 |
| 346 | DISEASES OF THE PINEAL GLAND <i>Richard J. Wurtman</i> | 1812 |
| 347 | ENDOCRINE MANIFESTATIONS OF NONENDOCRINE DISEASE <i>Louis M. Sherwood</i> | 1815 |
| 348 | DISORDERS AFFECTING MULTIPLE ENDOCRINE SYSTEMS <i>R. Neil Schimke</i> | 1820 |
| Section 11 Disorders of bone and bone mineral metabolism | | |
| 349 | SKELETAL REMODELING AND FACTORS INFLUENCING BONE AND BONE MINERAL METABOLISM <i>Stephen M. Krane and John T. Potts, Jr.</i> | 1824 |
| 350 | DISORDERS OF PARATHYROID GLANDS <i>John T. Potts, Jr.</i> | 1832 |
| 351 | VITAMIN D <i>Michael F. Holick and John T. Potts, Jr.</i> | 1843 |
| 352 | METABOLIC BONE DISEASE <i>Stephen M. Krane and Michael F. Holick</i> | 1849 |
| 353 | PAGET'S DISEASE OF BONE <i>Stephen M. Krane</i> | 1860 |
| 354 | HYPEROSTOSIS, NEOPLASMS, AND OTHER DISORDERS OF BONE AND CARTILAGE <i>Stephen M. Krane</i> | 1863 |
| Section 12 Disorders of the joints and connective tissues | | |
| 355 | APPROACH TO DISORDERS OF THE JOINTS <i>Bruce C. Gilliland and Mart Mannik</i> | 1870 |
| 356 | RHEUMATOID ARTHRITIS <i>Bruce C. Gilliland and Mart Mannik</i> | 1872 |
| 357 | ANKYLOSING Spondylitis <i>Bruce C. Gilliland and Mart Mannik</i> | 1880 |
| 358 | REITER'S SYNDROME, PSORIATIC ARTHRITIS, ARTHRITIS ASSOCIATED WITH GASTRO-INTESTINAL DISEASES, AND BEHÇET'S SYNDROME <i>Bruce C. Gilliland and Mart Mannik</i> | 1883 |
| 359 | PSEUDOGOUT <i>Bruce C. Gilliland and Mart Mannik</i> | 1888 |
| 360 | OSTEOMYELITIS AND INFECTIOUS ARTHRITIS <i>Jan V. Hirschmann and Bruce C. Gilliland</i> | 1889 |
| 361 | DEGENERATIVE JOINT DISEASE <i>Mart Mannik and Bruce C. Gilliland</i> | 1894 |
| Section 13 Disorders of the nervous system | | |
| 362 | PROGRESSIVE SYSTEMIC SCLEROSIS (DIFFUSE SCLERODERMA) <i>Bruce C. Gilliland and Mart Mannik</i> | 1896 |
| 363 | MISCELLANEOUS ARTHRIDES AND EXTRAARTICULAR RHEUMATISM <i>Mart Mannik and Bruce C. Gilliland</i> | 1900 |
| Section 14 Diseases of striated muscle | | |
| 378 | APPROACH TO CLINICAL MYOLOGY <i>Robert R. Young, Walter G. Bradley, and Raymond D. Adams</i> | 2040 |
| 379 | ACUTE AND SUBACUTE MYOPATHIC PARALYSIS <i>Maria Salam-Adams and Walter G. Bradley</i> | 2053 |

| | | |
|-----|--|------|
| 380 | PROGRESSIVE MUSCULAR DYSTROPHY (CHRONIC MYOPATHIC PARALYSIS) | 2059 |
| | <i>Raymond D. Adams, Walter G. Bradley, and Jean J. Rebeiz</i> | |
| 381 | MYASTHENIA GRAVIS AND EPISODIC MUSCULAR WEAKNESS | 2064 |
| | <i>Raymond D. Adams and Walter G. Bradley</i> | |
| 382 | TRANSIENT AND PERIODIC MUSCLE PARALYSES | 2068 |
| | <i>Raymond D. Adams and Walter G. Bradley</i> | |
| 383 | OTHER MAJOR MUSCLE SYNDROMES | 2070 |
| | <i>Raymond D. Adams and Walter G. Bradley</i> | |

APPENDIX: LABORATORY VALUES

OF CLINICAL SIGNIFICANCE

INDEX

A-1

I-1

| | | | | | | | | | | | | | | | | | | |
|--|--|--|--|--|---|---------------------------|------------------------|--------------------------------|-----------------------|--|------------------------------------|--|------------------------------------|---|--|---|---------------------------------|-----|
| Plates 1 to 8 | 254 | | | | | | | | | | | | | | | | | |
| 1-1 Dermatofibroma | 1-2 Acrochordon | 1-3 Angio-keratomas | 1-4 Café au lait macules | 1-5 Acne | 888 | | | | | | | | | | | | | |
| 2-1 Dermatophytosis | 2-2 Eczematous dermatitis | 2-3 Localized lichenification | 2-4 Melasma (chlasmia) | 2-5 Milia | 320 | | | | | | | | | | | | | |
| 3-1 Perleche | 3-2 Rosacea | 3-3 Seborrheic dermatitis | 3-4 Seborrheic keratosis | 3-5 Senile angioma ("cherry red spot") | 322 | | | | | | | | | | | | | |
| 3-6 Senile lentigo | | | | | 324 | | | | | | | | | | | | | |
| 4-1 Senile sebaceous adenoma | 4-2 Solar keratosis | 4-3 Spider nevus | 4-4 Tinea versicolor | 4-5 Verruca vulgaris | 326 | | | | | | | | | | | | | |
| 4-6 Xanthelasma | | | | | 328 | | | | | | | | | | | | | |
| 5-1 Necrobiosis lipoidica diabetorum | 5-2 Pretibial myxedema | 5-3 Pyoderma gangrenosum | 5-4 "Palpable" purpura with inflammation occurring in gonococcemia | 5-5 Peutz-Jeghers syndrome | 330 | | | | | | | | | | | | | |
| 5-6 Contact eczematous dermatitis | | | | | 332 | | | | | | | | | | | | | |
| 6-1 Lentigo maligna melanoma | 6-2 Superficial spreading melanoma | 6-3 Nodular melanoma | 6-4 Superficial spreading melanoma, superficially invasive | | 334 | | | | | | | | | | | | | |
| 7-1 Normal optic nerve and retina | 7-2 Glaucomatous optic disk with secondary atrophy | 7-3 Drusen of the optic nerve head | 7-4 Angioid streaks | 7-5 Primary optic atrophy | 336 | | | | | | | | | | | | | |
| 7-6 Early papilledema | 7-7 Retentive pigmentosa | 7-8 Band keratopathy | | | 338 | | | | | | | | | | | | | |
| 8-1 Schemic optic neuritis with temporal arteritis | 8-2 Cholesterol embolus in retinal arteriole | 8-3 Diabetic retinopathy microaneurysm | 8-4 Retinitis proliferans in diabetes mellitus | 8-5 Roth spot with subacute bacterial endocarditis | 340 | | | | | | | | | | | | | |
| 8-6 Central retinal vein thrombosis | 8-7 Dislocated lens in Marfan's disease | 8-8 Kaiser-Fleisher ring in Wilson's disease | | | 342 | | | | | | | | | | | | | |
| 9-1 Normal marrow | 9-2 Megaloblastic marrow | 9-3 Erythroid hyperplasia | 9-4 Sideroblastic anemia | 9-5 Normal blood smear | 344 | | | | | | | | | | | | | |
| 9-6 Megaloblastic anemia | 9-7 Iron-deficiency anemia | 9-8 β thalassemia intermedia | 9-9 Myeloid metaplasia | 9-10 Uremia | 346 | | | | | | | | | | | | | |
| 9-11 Liver disease | 9-12 Spur-cell anemia | 9-13 Hereditary spherocytosis | 9-14 Immunohemolytic anemia | 9-15 Traumatic hemolysis | 348 | | | | | | | | | | | | | |
| 9-16 Sickle-cell anemia | | | | | 350 | | | | | | | | | | | | | |
| 10-1 A Normal granulocyte | B Normal monocyte and lymphocyte | 10-2 A Normal eosinophil | B Normal basophil | 10-3 Normal granulocyte precursors in marrow | 10-4 Neutrophils with toxic granulation | 10-5 Band with Döhle body | 10-6 Hypersegmentation | 10-7 A Chédiak-Higashi anomaly | B Pelger-Hüet anomaly | 10-8 Reactive lymphocytes (infectious mononucleosis) | 10-9 Chronic granulocytic leukemia | 10-10 Acute myelogenous leukemia: myeloblast with Auer rod | 10-11 Chronic lymphocytic leukemia | 10-12 Acute lymphoblastic leukemia (marrow) | 10-13 Hodgkin's disease: Reed-Sternberg cell in marrow | 10-14 Non-Hodgkin's nodular lymphoma (lymph node) | 10-15 Multiple myeloma (marrow) | 352 |