

Contents

Preface

vii

1. Cardiovascular System

1

Approach to a Patient of Cardiac Disease 1
Coronary Circulation 3
Examination of Cardiovascular System 3
Inspection of Cardiovascular System 4
Dynamic Cardiac Auscultation 6
Valsalva Maneuver 7
Different Cardiac Positions in the Chest 9
Chest Pain 10
Palpitation 12
Syncope 13
Hypertension 14
Approach to a Patient of Secondary Hypertension 16
Thoracic Outlet Obstruction 19
Ischaemic Heart Disease 19
Heart Failure 20
Pulmonary Hypertension 22
Cor Pulmonale 23
Clinical Aspects of Rheumatic Fever 24
Approach to a Patient of Valvular Heart Disease 25
Mitral Stenosis 30
Mitral Regurgitation (MR) 32
Aortic Stenosis (AS) 34
Aortic Regurgitation (AR) 36
Tricuspid Stenosis 37
Tricuspid Regurgitation 38
Pulmonary Stenosis 38
Pulmonary Regurgitation 38
Acute Pericarditis 38
Pericardial Effusion 40
Constrictive Pericarditis 41
Atrial Fibrillation 42
Infective Endocarditis 43

Approach to a Patient of Congenital Heart Disease 46
Orthodeoxia 49
Straight Back Syndrome 50
Venous Hum In Neck 50
Atrial Septal Defect (ASD) 51
Lutembacher's Syndrome 54
Ostium Primum ASD 55
Patent Ductus Arteriosus 58
Coarctation of Aorta 59
Fallot's Tetralogy 62
Partial Anomalous Pulmonary Venous Connection (PAPVC) 65
Congenital Pulmonary Stenosis 65
Congenital Aortic Stenosis 67
Ebstein's Anomaly 68
Prosthetic Valve 70
Cardiomyopathy 70
Congenital Complete Heart Block 72
Cardiovascular System 72

2. Respiratory System

74

Cough and Hemoptysis 76
Pulmonary Function Tests 76
Interstitial Lung Disease 77
Pneumonic Consolidation 79
Lung Abscess 80
Pulmonary Cavity 81
Pulmonary Tuberculosis 83
Destroyed Lung 86
Bronchiectasis 87
Pleural Effusion 88
Hemothorax 89
Pulmonary Collapse (Atelectasis) 90
Pneumothorax 91
Pulmonary Fibrosis 93
Pleural Fibrosis 94
Mass Lesion in the Lung 94
Approach to a Patient of Mediastinal Mass 95

- Superior Vena Caval (SVC) Obstruction 96
- Chronic Obstructive Pulmonary Disease 98
- Respiratory Failure 99
- Acute Severe Asthma 100
- 3. Gastrointestinal Tract including Liver and Pancreas 101**
 - Investigations of Liver Disease 101
 - Jaundice 103
 - Causes of Jaundice 104
 - History in a Patient of Jaundice 105
 - Cholestasis 105
 - Viral Hepatitis 106
 - Chronic Hepatitis 107
 - Differential Diagnosis of Hepatomegaly 108
 - Cirrhosis of Liver 111
 - Hepatic Encephalopathy 112
 - Portal Hypertension 114
 - Hepatorenal Syndrome 115
 - Portopulmonary Hypertension 115
 - Extrahepatic Portal Hypertension 116
 - Hepatopulmonary Syndrome 117
 - Budd-Chiari Syndrome 117
 - Hepatic Veno-occlusive Disease 118
 - Hepatocellular Carcinoma 118
 - Ascites 119
 - Refractory Ascites 121
 - Fatty Liver: Hepatic Steatosis and NASH (Non-alcoholic Steatohepatitis) 121
 - Non-alcoholic Steatohepatitis (NASH) 121
 - Acute Pancreatitis 123
 - Chronic Diarrhea 124
 - Tuberculosis of the Abdomen 126
 - Haemochromatosis 127
 - Inferior Vena Caval Obstruction 128
 - Differential Diagnosis of Abdominal Pain 129
- 4. Central Nervous System 130**
 - General Physical Examination 130
 - General Physical Examination in Nervous System Disorder 131
 - Cerebral Blood Supply 133
 - Cerebral Blood Flow 135
 - Localisation of Lesion in Nervous System Disorder 135
 - Diseases of Cerebral Hemisphere 136
 - Limbic System 139
 - Cerebrovascular Disease 140
 - Coma 142
 - Apraxia Agnosia Aphasia 143
 - Agnosia 143
 - Disorders of Speech and Language 144
 - Anomia 146
 - Aphemia 146
 - Approach to a Patient of Dysarthria 146
 - Headache 147
 - Migraine 147
 - Cranial Nerves 148
 - Optic Nerve 149
 - Pupil 152
 - Trochlear (4th Cranial Nerve) 153
 - Trigeminal Nerve 153
 - Clinical Examination of Facial Nerve 157
 - Glossopharyngeal Nerve 160
 - Accessory Nerve 161
 - Ocular Movements and Gaze Palsy 161
 - Pseudobulbar Palsy 163
 - Cerebellopontine Angle 164
 - Horner's Syndrome 164
 - Brainstem Syndromes 166
 - Motor System 168
 - Motor System Examination 169
 - Muscle Tone 169
 - Sensory Examination 172
 - Cortical Sensory Loss 173
 - Reflexes 175
 - Primitive Reflexes 176
 - Involuntary Movements 177, 178
 - Parkinsonism 180
 - Disorders of the Spinal Cord 182
 - Clinical Aspects of Spinal Cord and Examination of Spine 182
 - Spinal Cord Compression 183
 - Different Spinal Cord Syndromes 187
 - Different Levels of Spinal Cord Lesions 189

Cauda Equina and Conus Medullaris	192	Chronic Lymphocytic Leukemia	280
Examination of Spine	194	Acute Myeloid Leukaemia	280
Guillain-Barré Syndrome	195	Chronic Myeloid Leukemia (CML)	281
Acute Transverse Myelitis	198	Hodgkin's Lymphoma	282
Lathyrism	199	Non-Hodgkin's Lymphoma	282
Neurogenic Bladder	199	Multiple Myeloma	283
Syringomyelia	201	Waldenstrom's Macroglobulinemia	284
Clinical Features of Syringomyelia	202	Splenomegaly	287
Basilar Invagination	203		
Arnold-Chiari Malformation	203	6. Approach to a Patient of Renal Disease	291
Klippel-Feil Syndrome	204	Acute Nephritic Syndrome	291
Approach to a Patient of		Polyuria	292
Difficulty in Walking	204	Common Causes of Proteinuria	294
Cerebellum	205	Approach to a Patient of Puffiness of	
Approach to a Patient of Ataxia	207	Face and Pedal Edema	295
Friedreich's Ataxia	208	Investigations in a Patient of Acute	
Motor Neurone Disease	209	Renal Failure	297
Autonomic Nervous System	211	Acute Glomerulonephritis (AGN)	299
Peripheral Neuropathy	211	Churg-Strauss Syndrome	302
General Aspects of Peripheral		Approach to a Patient of Nephrotic	
Neuropathy	212	Syndrome (In General)	303
Plexopathy	217	Renal Tubular Defects	304
Approach to Patient of Muscle		Tubulointerstitial Nephritis	305
Disease and Muscle End Plate	225	Acute Renal Failure (Acute Kidney	
Occlusion of Cortical Venous		Injury)	306
Sinuses	234	Polycystic Kidney Disease	311
Multiple Sclerosis	235	Renal Hypertension	311
Causes of Upper Limb Monoparesis	236	Renovascular Hypertension	311
Paraplegia	246		
Differential Diagnosis of Paraplegia	252	7. Connective Tissue Disorder	313
CSF Examination	260	Approach to Polyarthritis	313
Central Nervous System	261	Rheumatoid Arthritis	317
		Felty's Syndrome	319
5. Hematology	263	Sjögren's Syndrome	320
Approach to a Patient of Anemic		Still's Disease	320
Disorder	263	Seronegative Arthritis	321
Megaloblastic Anemia	268	Ankylosing Spondylitis	321
Anemia of Chronic Disease	270	Psoriatic Arthritis	321
Hemolytic Anemia	270	Systemic Sclerosis	322
Hereditary Spherocytosis	272	Microscopic Polyangiitis	323
Thalassemia	273	Takayasu's Arteritis	324
Myelodysplastic Syndrome	276	Overlap Syndrome	325
Polycythemia Vera	276	Mixed Connective Tissue Disease	
Myelophthisic Anemia	277	(MCTD)	325
Myelofibrosis	278	Henoch-Schönlein Purpura	
Disorders of WBCs	278	(Anaphylactoid Purpura)	325
Leukemias	280		

Polyarteritis Nodosa (PAN) 327		Adrenal Glands 349	
Investigations 327		Acute Adrenal Insufficiency 351	
Vasculitis 328		Primary Hyperparathyroidism 353	
Osteoarthritis 329		Hypercalcemia 354	
Behçet's Syndrome 330		Short Stature (Dwarfism) 356	
Polymyositis 330			
Dermatomyositis 331		9. General Physical Examination 359	
Fibromyalgia 331		Internal Waldeyer's Ring 362	
Antiphospholipid Antibody (APLA) Syndrome 332			
Gout and Pseudogout 332		10. Miscellaneous 364	
8. Endocrinology 334		Radiology 364	
Thyroid Gland 334		Brugada Syndrome 371	
Goiter 339		Common Dermatological and Infective Disorders 372	
Thyroid Storm 340		Tropical Splenomegaly Syndrome 374	
Obesity 342		Stevens-Johnson Syndrome 379	
Prolactinoma 343		Scabies 379	
Acromegaly 344		Diagnosis of HIV Infection 380	
Hypopituitarism 345		Acquired Immune Deficiency Syndrome 381	
Diabetes Insipidus 347		Herpes Zoster 384	
Endocrine Hypertension 348			
Diabetes Mellitus 348		<i>Index 385</i>	