Contents

LONG CASES

1. **Abdominal Lumps (General Guidelines)** 3

   Characteristics of Different Mass 4; Mass in Epigastrium 5; Left Hypochondrial Mass 5

2. **Surgical Obstructive Jaundice** 10

   History of Present Illness 10; Past History 10; Personal History 10; USG Abdomen 12; CECT Abdomen 12; Upper GI Endoscopy 12; Course of Thoracic Duct 16; Short Note on Surgical Obstructive Jaundice 17; Bilirubin Metabolism 17; Classification 17; Consequences of Biliary Obstruction 18; Pathological Effects of Biliary Obstruction 18; Clinical Manifestations 19; Investigation Protocol for a Jaundice Patient 19; Treatment 22; Radiological and Percutaneous Drainage Technique 23; Role of Preoperative Percutaneous Biliary Drainage 23; Surgery 24; Notes on Congenital Nonhemolytic Anemia 24

3. **Cystic Lump Abdomen** 26

   History of Present Illness 26; Past History 26; Personal History 26; Family History 26; General Survey 26; Differential Diagnosis 27; Differential Diagnosis of Epigastric; Intra-abdominal Soft Mass 27; Differential Diagnosis of Retroperitoneal Cystic Lump 27; Reasons Behind Investigations 28

4. **Left Iliac Fossa Lump** 29

   History 29; Examination 30; Local Examination 30; Investigations 31; Important Differential Diagnoses 32; Cotswold Staging Classification of Lymphoma 36

5. **Right Iliac Fossa Mass** 37

   A Patient of Ileocecal Tuberculosis 37; Short Note on Right Iliac Fossa Mass 41; Retroperitoneal Tumors 45

6. **Epigastric Lump** 48

   Local Examination 48; Short Note on Epigastric Lump 53; Pseudocyst 53; Intra-abdominal Solid Swellings in the Epigastrium—Differential Diagnosis 53; Important Short Note on Pancreas 54; Chronic Pancreatitis 59; Short History of Initial Operations 60; Carcinoma Head of Pancreas 60

7. **Hepatic Mass** 63

   Short Notes on Hepatocellular Cancer 67

8. **Carcinoma Gallbladder** 71

   Differential Diagnosis 72; Short Note on Carcinoma Gallbladder 74; Pathology 74; Diagnostic Evaluation 74; Computed Tomography (CT) Scan 75; Other Diagnostic Tools 75; Surgical Management 75; Guidelines by Tumor Stage 75

9. **Renal Lump** 77

   Renal Cell Carcinoma 77; Structures of Kidney 80; Short Notes on Renal Cell Carcinoma 82; Diagnosis 83; Staging 84

10. Hydronephrosis 86
Systemic Examination 86; Provosional Diagnosis 87; Short Note on Hydronephrosis 89; Pyeloplasty for Symptomatic PUJ Obstructions 89

11. Carcinoma Colon 91
Summary of the Case 92; Short Note on Carcinoma Colon 97

12. Carcinoma Stomach—The Captain of Men's Death 100
Summary of the Case 101; Carcinoma Stomach—Short Note 104

13. Retroperitoneal Lump (Soft Tissue Sarcoma) 108
Small Notes on STS 110; Short Note on Limb Salvage Surgery 111; Highlight on Retroperitoneal Space and its Diseases 111

14. Portal Hypertension 114
Short Note on Portal Hypertension 118; Clinical Presentation of PHT 121; Pharmacotherapy in PHT 121; Variceal Ligation 123; Nonshunt Surgery 124; Liver Transplantation 124; Elective Long-term Management of PHT 124

15. Pelvic Mass 125

16. Carcinoma Oral Cavity 132
Local Examination 132; Summary 133; Important Short Note on Carcinoma Oral Cavity 137; Introduction 137; Risk Factors 137; Short Note on Management of Neck Nodes 140; Surgical Anatomy 140; Oncologic Relevance of Lymph Node Levels 141; Evolution of Neck Dissection 142; Standardizing Neck Dissection Terminology 142; Evaluation of the Neck 143; Staging of Cervical Nodal Metastases 143; Management of the N0 Neck 143; Selection of Surgical Procedure 143; Role of Radiotherapy 143

17. Peripheral Artery Occlusive Disease—Buerger's Disease 144
Short Notes on PAOD (Buerger's Disease) 148; Chronic and Critical Limb Ischemia 149

18. Varicose Vein 151
Short Note on Varicose Vein 156; Medical Management of Chronic Venous Disease (CVI) 158; Deep Vein Thrombosis (DVT) 159; Prevention of DVT 162

SHORT CASES

19. Carcinoma Breast 165
Locally Advanced Ca Breast 172; Carcinoma Breast with Distant Metastases 173; Important Notes on Ca Breast 174

20. A Case of Solitary Nodule Thyroid (SNT) 180
History of Present Illness 180; Multinodular Goiter (MNG) 180; Case History in Carcinoma Thyroid 180; Systemic Examination 181; Carcinoma Thyroid 187; Important Short Note on Thyroid 189

21. Cervical Lymphadenopathy 193
Short Notes on Cervical Lymphadenopathy 196; Cervical Lymphadenopathy 196; Cause of Generalized Lymphadenopathy 196; Secondaries in Neck Lymph Nodes 198

22. Parotid Swelling 201

23. Cystic Swelling in the Neck-Cystic Hygroma 208

Branchial Cyst 208; Solitary Simple Cyst 208; Cold Abscess in the Neck 208; Short Note on Cystic Hygroma 210; Short Note on Swelling in the Neck 210; Site of Branchial Cyst 213

24. Inguinal Hernia 216

Short Notes on Inguinal Hernia 224; Inguinal Canal 224; Boundaries of Inguinal Canal 224; Indirect Inguinal Hernia 225; Clinical Features 225; Clinical Features 226; Laparoscopic Hernia Repair 226; Short Note in Laparoscopic Surgery 229

25. Femoral Hernia 231

Short Note on Femoral Hernia 234; Anatomy of Femoral Hernia 234

26. Paraumbilical Hernia (Supra- or Infraumbilical Hernia) 236

27. Epigastric Hernia 238

28. Incisional Hernia 241

Short Notes on Incisional Hernia 243

29. Testicular Tumor 244

Important Notes on Testicular Tumor 247; Etiology 247; Clinical Presentation 247; Treatment 248

30. Hydrocele 251

Short Note on Hydrocele 254

31. Varicocele 257

Short Notes on Varicocele 260

32. Carcinoma Penis 262

Short Note on Carcinoma Penis 265

33. Basal Cell Carcinoma (Rodent Ulcer) 269

Short Note on Benign Skin and Subcutaneous Tissue Tumor 271; Mode of Sequestration Dermoid Formation 271; Sebaceous Cyst 273

34. Squamous Cell Carcinoma (Epithelioma, Epidermoid Carcinoma) 278

Short Note on SCC 281

35. Melanoma 282

Short Note on Melanoma 286; Melanoma 286; Malignant Melanoma 287

36. Upper Limb Ischemia 289

Short Note on Upper Limb Ischemia 292; Subclavian Steal 292; Thoracic Outlet Syndrome (TOS) 294; Symptomatology 294; Conservative Management 295; Surgical Management 295; Arterial TOS 296; Ill Venous TOS 296

37. Diabetic Foot 298

Short Note on Diabetic Foot 301; Description of Ulcers 302; Points to Remember 303

38. Trophic Ulcer 304

39. Amputated Stump 309

40. Peripheral Nerve Injury 313
Radial Nerve Injury 313; Ulnar Nerve Injury 318; Median Nerve Injury 320; High Median Nerve Injury 320; Brachial Plexus Injury 320

41. Post Burns Contracture and Marjolin Ulcer 325
Short Notes on Burns 327; Wallace's Rule of '9' 327; Degrees of Burns 327

42. Popliteal Fossa Swellings 332

PEDIATRICS CASES

43. Cleft Lip and Cleft Palate 339
Short Note on Cleft Lip and Palate 342; Development of Face, Lip and Palate 342; Cleft Palate 344

44. Hypospadius 346
Short Note on Hypospadius 349; Development of Urethra 349; Denis Browne's Technique 349

45. Undescended Testis 350
Short Notes on Undescended Testis 353; Lockwood Theory Regarding Ectopic Testis 353

46. Hydrocephalus 356
Cerebrospinal Fluid 356; Pathway of CST 356;Types of Hydrocephalus 356

47. Wilms' Tumor (Nephroblastoma) 358
Short Notes on Wilms' Tumor 360; Wilms' Tumor (Synonym Nephroblastoma) 360; Neuroblastoma 360

48. Congenital Hernia 362
Notes on Congenital Hernia and Hydrocele 363; Short Notes on Congenital Hydrocele 364

49. Meningocele 365

Notes on Stapler, GI Stapler and Sutures 369
Primary Goals of the Surgical Techniques 369; Hutl's Stapling Principles 369; History of Surgical Stapling 369; Advantages of Surgical Stapling 370; Anastomosis 370; Anastomosis: End-to-End Functional 371; Anastomosis 372; Types of Surgical Staplers 375; Gastric Surgery 376; Total Gastrectomy with Roux-en-Y Anastomosis 381; Colorectal Surgery 383; Low Anterior Resection with End-to-End Anastomosis 384; GI Stapling Techniques 386; Introduction 386; Historical Principles 386; Division of the Duodenum 387; Know Few Important Things About Suture Materials 391; The Care World 393

Index 395