

# Contents

List of Contributors	xiii
Preface	xxiii
<b>Cardiology</b>	<b>1</b>
1 The Approach to the Patient with Chest Pain <i>Lim Soo Teik and Koh Tian Hai</i>	3
2 Hypertension <i>Tan Ru-San and BA Johan</i>	13
3 Ischemic Heart Disease <i>Lim Yean Leng and Mak Koon Hou</i>	29
4 Recent Advances in Diagnosis and Management of Cardiac Arrhythmias <i>Teo Wee Siong and Ruth Kam</i>	75
5 Rheumatic Mitral Stenosis <i>Lau Kean Wah</i>	97
6 Echocardiography <i>Ding Zee Pin</i>	111
7 Heart Failure <i>Bernard WK Kwok and Amy SH Ng</i>	121

<b>Dermatology</b>	<b>133</b>
8 Approach to Skin Disorders <i>T Thirumoorthy and John Chiam</i>	135
9 Urticaria and Eczema <i>Pang Shiu Ming</i>	143
10 Cutaneous Drug Eruptions <i>T Thirumoorthy</i>	161
<b>Emergency Medicine</b>	<b>171</b>
11 The Approach to the Collapsed Patient <i>Lim Swee Han and V Anantharaman</i>	173
12 The Management of Poisoning <i>R Ponampalam and V Anantharaman</i>	191
13 Emergency Airway Management <i>Evelyn Wong and V Anantharaman</i>	213
14 Acute Medicine in the Pre-hospital Environment <i>V Anantharaman and Fatimah Lateef</i>	239
<b>Endocrinology</b>	<b>261</b>
15 Management of Type 2 Diabetes Mellitus <i>Lim Heok Seng</i>	263
16 Autoimmune Thyroid Disease <i>Ho Su Chin and Daphne Khoo</i>	295
17 Management of Hyperlipidemia: The Singapore Perspective <i>Tan Chee Eng</i>	309
18 Type 1 Diabetes <i>Peter Eng, Tan Hwee Huan and Goh Su Yen</i>	327
19 Disorders of Calcium Metabolism <i>Leonard Koh</i>	337
20 Endocrine Emergencies <i>Tai E Shyong</i>	365

21	Adrenal Diseases <i>Rajasoorya C and Lim Ling Choo</i>	381
<b>Gastroenterology</b>		<b>407</b>
22	Practical Approaches to GI Disease <i>Ng Han Seong</i>	409
23	Functional Gastrointestinal Disorders <i>Lui Hock Foong</i>	421
24	Management of Peptic Ulcer Disease <i>Widjaja Luman</i>	433
25	Gastrointestinal and Liver Cancer <i>Tan Chee Kiat</i>	445
26	Inflammatory Bowel Disease <i>Ooi Choon Jin</i>	457
27	Gastrointestinal Endoscopy <i>Yap Chin Kong</i>	471
28	Practical Approaches to Liver Disease <i>Ng Han Seong</i>	489
29	Viral Hepatitis <i>Chow Wan Cheng and Ng Han Seong</i>	505
30	Pancreatic Diseases <i>Steven J Mesenas</i>	523
<b>Hematology</b>		<b>545</b>
31	An Approach to Blood Disorders <i>Patrick Tan and Ng Heng Joo</i>	547
32	Nutritional Anemias <i>William Hwang and Charles Chuah</i>	559
33	The Chronic Anemia <i>Linn Yeh Ching and Charles Chuah</i>	571
34	The Leukemias <i>Goh Yeow Tee and Wong Gee Chuan</i>	581

35	Myeloproliferative Disorders <i>Wong Gee Chuan</i>	601
36	Myelomas and other B Cell Malignancies <i>Lim Lay Cheng and Linn Yeh Ching</i>	617
37	Bleeding Disorders <i>Lee Lai Heng</i>	635
38	Thrombotic Disorders <i>Lee Hai Heng</i>	657
39	Immunotherapy in Hematology and Oncology <i>William YK Hwang and Gerrard KH Teoh</i>	675
40	Hematopoietic Stem Cell Transplantation <i>Patrick Tan</i>	697
	<b>Immunology</b>	<b>713</b>
41	Drug Allergy <i>Bernard Thong Yu Hor and Chng Hiok Hee</i>	715
42	Food Allergy <i>Cheng Yew Kuang and Chng Hiok Hee</i>	729
43	Immunodeficiency in the Adult <i>Leong Khai Pang and Chng Hiok Hee</i>	743
	<b>Internal Medicine</b>	<b>761</b>
44	Severe Acute Respiratory Syndrome: First Plague of the New Millennium <i>Hsu Li Yang, Tan Ban Hock and Leong Hoe Nam</i>	763
45	Infections in the Immunocompromised Host <i>Tan Ban Hock</i>	787
46	Malaria <i>Nicholas Paton</i>	805
47	Antimicrobial Resistance <i>Ling Moi Lin and Tan Ban Hock</i>	817

48	Dengue Fever	825
	<i>Tang Ong Teng, Tan Ban Hock and Tang Julian Wei-Tze</i>	
49	Common Geriatric Problems	849
	<i>Ding Yew Yoong and Philip Choo</i>	
	<b>Medical Oncology</b>	<b>867</b>
50	Pathogenesis of Cancer	869
	<i>Richard Epstein</i>	
51	Population Cancer Screening	875
	<i>Soh Lay Tin</i>	
52	Malignant Lymphoma	891
	<i>Lim Soon Thye and Miriam Tao</i>	
53	Rational Use of Tumor Markers	909
	<i>Wong Nan Soon and Khoo Kei Siong</i>	
54	Metastatic Cancer of Unknown Primary	927
	<i>See Hui Ti and Sandeep Kumar Rajan</i>	
55	Chemoprevention	937
	<i>Sandeep K Rajan</i>	
	<b>Neurology</b>	<b>951</b>
56	Approach to the Patient with Neurological Disease	953
	<i>K Puvanendran and Udaya Seneviratne</i>	
57	Headache	969
	<i>Einar Wilder Smith, Wong Meng Cheong, Lim Shih Hui and Pavanni Ratnagopal</i>	
58	Meningitis and Encephalitis	979
	<i>Pavanni Ratnagopal, Einar Wilder Smith and Tan Ban Hock</i>	
59	Seizures and Epilepsy: Diagnosis, Investigation and Treatment in Adults	993
	<i>Lim Shih-Hui, Andrew Beng-Siong Pan, Einar Wilder-Smith and Puvanendran K</i>	

60	Neuromuscular Disorders <i>Lo Yew Long and Pavanni Ratnagopal</i>	1017
61	Stroke <i>Chang Hui Meng and Christopher Chen</i>	1039
62	Parkinson's Disease: Diagnosis and Treatment <i>Tan Eng King and John Thomas</i>	1071
63	Alzheimer's Disease and Other Dementias <i>Alexander P Auchus and Christopher Chen</i>	1083
<b>Obstetrics and Gynecology</b>		<b>1095</b>
64	Medical Disorders in Pregnancy <i>Tan Hak Koon</i>	1097
<b>Pediatrics</b>		<b>1117</b>
65	Practical Genetic Counseling <i>Ho Lai Yun</i>	1119
66	The Child with Learning Problems <i>Ho Lai Yun</i>	1139
67	Pitfalls in Developmental Diagnosis <i>Ho Lai Yun</i>	1165
68	Feeding Problems in Young Children: A Developmental Perspective <i>Ho Lai Yun</i>	1187
<b>Renal Medicine</b>		<b>1205</b>
69	A Clinical Approach to Glomerulonephritis <i>Woo Keng Thye</i>	1207
70	Urinary Tract Infection <i>Choong Hui Lin</i>	1223
71	Renal Hypertension <i>Wong Kok Seng</i>	1239

72	Diabetic Nephropathy <i>Grace Lee and Woo Keng Thye</i>	1253
73	Contemporary Management of Renal Failure <i>A Vathsala</i>	1269
<b>Respiratory Medicine</b>		<b>1291</b>
74	Approach to the Patient with Respiratory Disease <i>Philip Eng</i>	1293
75	Asthma <i>Tan Keng Leong</i>	1301
76	Chronic Obstructive Pulmonary Disease <i>Loo Chian Min</i>	1315
77	Sleep Disorders <i>Anne Hsu</i>	1337
78	Lung Cancer <i>Constance Lo and Philip Eng</i>	1359
79	Pulmonary Infections <i>Loo Chian Min and Leng Poh Hock</i>	1375
80	Acute Respiratory Distress Syndrome <i>J Raghuram and Phillip Eng</i>	1409
<b>Rehabilitative Medicine</b>		<b>1427</b>
81	A Clinical Approach to Rehabilitation Medicine <i>Peter AC Lim</i>	1429
<b>Rheumatology</b>		<b>1447</b>
82	Diagnosis in Rheumatic Diseases <i>Fong Kok Yong</i>	1449
83	Connective Tissue Disease and Systemic Vasculitis <i>Leong Khai Pang</i>	1461
84	Rheumatoid Arthritis <i>Humeira Badsha</i>	1483

85	Seronegative Spondyloarthropathy <i>Koh Wei Howe</i>	1507
86	Gout <i>Julian Thumboo</i>	1519
87	Osteoarthritis <i>Colleen Kim Thomas</i>	1539
88	Soft Tissue Rheumatism <i>Feng Pao Hsii</i>	1557
	Index	1571