

# Contents

## SECTION 1: CARDIOLOGY

1. Are We Heading for a New Revolution in Lipid Management after Statin Era? 3  
*PC Manoria, Pankaj Manoria, SK Parashar*
2. Electrocardiography in Syncope 7  
*Ashutosh Kumar*
3. Blood Pressure Measurements When and How? 13  
*Suresh V Sagarad, Swetha A Biradar*
4. Hypertension in Elderly: Indian Scenario 13  
*Harbir K Rao, Rajinder S Gupta*
5. Complications of Hypertension and Management 19  
*V Shantaram*
6. Risk Stratification of Non-ST Elevation Myocardial Infarction—Acute Coronary Syndrome 24  
*Amal Kumar Banerjee*
7. PCSK9 Inhibitors 28  
*Nirupam Prakash*
8. Role of PET-CT in Evaluation of Pyrexia of Unknown Origin—Analysis of an Experience 32  
*Geetha M Philips, Balram Rathish*
9. Vascular Involvement and Intervention in Takayasu's Arteritis 35  
*Monotosh Panja, Arindam Pande, Madhumanti Panja*
10. Heart Failure: Recent Advances 39  
*Nihar Mehta, Saurabh Dharia*
11. Hypertension in Pregnancy 45  
*Muthineni Pavan Kumar*
12. Prevention of Coronary Artery Disease 48  
*Rajeev Gupta, Manu Gupta, Anuj Gupta*

## SECTION 2: ENDOCRINOLOGY AND DIABETOLOGY

13. Low Body Weight (Lean) Type 2 Diabetes Mellitus—Special Characteristics 57  
*Sidhartha Das*
14. Brittle Diabetes: Management Challenges 66  
*Aparna Agrawal, Deepika Saroha*
15. Glycemic Variability—A Roller Coaster Ride 70  
*Udai Lal*
16. Incretin with Basal Insulin Therapy: Made for Each Other 75  
*Gururaj B Sattur*
17. Syndromes of Extreme Insulin Resistance 78  
*Amit A Saraf*
18. Oral Antihyperglycemics 81  
*Kakara Ram Swaroop Jawahar, Kakara Sneha*

19. Oral Antidiabetic Drugs in Pregnancy and Lactation <i>Rakesh K Sahay, Anish Kolly</i>	87
20. Fever in Diabetes Mellitus <i>P Krishna Prasanthi</i>	91
21. Transient Thyroiditis <i>Kidiyur Jayakar Shetty, Manohar K Nageshappa</i>	95
22. Approach to Erectile Dysfunction <i>Srirang Abkari</i>	97

### SECTION 3: GASTROENTEROLOGY

23. Drug-induced Liver Injury by Common Drugs in Day-to-Day Clinical Practice <i>Nagaraja Rao Padaki</i>	105
24. Approach to Malabsorption Syndrome <i>Rajesh Upadhyay</i>	109
25. Hepatitis C: An Update on Management and Treatment Guidelines <i>Suresh Kumar, Karan Chhabra</i>	113
26. Approach to Refractory Ascites <i>Penumadu Sudhakar</i>	117
27. Tropical Splenomegaly <i>Subhayan Bhattacharya, Bibhuti Saha</i>	121
28. Hypertriglyceridemia Induced Pancreatitis <i>Piyush Manoria</i>	124

### SECTION 4: GERIATRICS

29. Drug Prescribing in Senior Citizens: A Therapeutic Burden? <i>Jyotirmoy Pal, Pradip K Chowdhury, Krishnangshu Ray, Tanuka Mondal, Uddalak Chakraborty</i>	129
30. Neurological Problems in the Elderly <i>Y Sathyanarayana Raju, Y Rahul</i>	133

### SECTION 5: GENERAL MEDICINE

31. Approach to Erythema Nodosum <i>AP Naveen Kumar</i>	137
32. Challenges in the Management of Stevens–Johnson Syndrome <i>J Sangumani</i>	141
33. Macrophage Activation Syndrome in Context of Rheumatic Diseases <i>Sumeet Agrawal, Siddharth Kumar</i>	145
34. Management of Common Medical Conditions during Pregnancy <i>Nagaraja BS</i>	147
35. Hyponatremia in Critically Ill Patients: Therapeutic Challenges <i>Vengadakrishnan K</i>	151
36. Informed Consent in Medical Treatment: An Overview <i>Vishwanath Krishnamurthy</i>	154
37. Qualitative Research in Clinical Practice <i>Uttam Kumar Paul</i>	157

38. Is Clinical Examination Still Relevant? 160  
*Chandrasekhar Valupadas*
39. Clinical Uses of Keto Diets 164  
*Madhu Chittarvu*

## SECTION 6: INFECTIOUS DISEASES

40. Recent Updates from World Health Organization on HIV: A Brief Synopsis 171  
*BB Rewari*
41. Immune Reconstitution Inflammatory Syndrome 177  
*Murugesh G Pastapur*
42. Optimum Antiretroviral Therapy in 2019 180  
*Subhasish Kamal Guha, Soumendra Nath Halder*
43. New and Experimental Drugs in HIV Treatment 184  
*Naval Chandra*
44. Fungal Infections in HIV: What is New? 186  
*Dipanjan Bandyopadhyay, Amit K Adhikary, Sudipta Mondal*
45. Choosing Empiric Antibiotic for Nosocomial Infection 190  
*Gandharba Ray*
46. Rickettsial Infections: Spreading beyond Boundaries 195  
*Vasantha Kamath, Jasmine K Bhatia, Shreyashi Ganguly*
47. Biomarkers in Sepsis 200  
*A Bhagwati*
48. Therapeutic Use of Cytokines in Infectious Diseases 204  
*B Thrilok Chander*
49. Cytokine Storm 207  
*Aditya Prakash Misra*
50. Malaria in Pregnancy 210  
*Sindhu Joshi*
51. Diagnosis in Ziehl-Neelsen Negative Tuberculosis: From Laboratory to Bedside 213  
*Gautam Ahluwalia, Amitoj Singh*
52. Nontuberculous Mycobacterial Disease: Epidemiology, Risk Factors, Diagnosis and Management 217  
*Surendra K Sharma, Vishwanath Upadhyay, Babaji Ghewade*
53. Latent Tuberculosis in Adults and Adolescents—Approach 225  
*Alladi Mohan, J Harikrishna, V Arun Raja*
54. Multidrug Resistant Tuberculosis: Current Management Protocols 230  
*Prashant Prakash*
55. Adult Vaccines 235  
*PS Shankar*

## SECTION 7: NEPHROLOGY

56. Approach to Proteinuria 241  
*K Jaisuresh*
57. Hypertension and Chronic Kidney Disease 243  
*Ambar Khaira, Ankur Gupta, Pritam Gupta*

58. Pulmonary Renal Syndrome <i>BK Sundar</i>	248
59. Emphysematous Pyelonephritis <i>Preetam Arthur</i>	252

## SECTION 8: NEUROLOGY

60. Approach to Patient with Peripheral Neuropathy <i>Amit K Kalwar</i>	257
61. Diabetic Neuropathy Evaluation and Management <i>DC Thirupathi Rao</i>	261
62. Stopping Antiepileptic Drugs: Physician's Concerns <i>Y Bhasker</i>	263
63. Approach to Drug-resistant Epilepsy <i>SA Jabeen, Suchanda Bhattacharjee, Abhishek Arora, Madhur K Shrivastava, Padmaja Gaddamanugu</i>	265
64. Sleep Disorders: Recent Concepts and Understanding Common Sleep Problems <i>Venkatramana Nagarajan</i>	271
65. Cerebral Venous Sinus Thrombosis—Diagnosis and Management <i>C Justin</i>	275
66. Endovascular Interventions for Acute Stroke <i>Chawla Kamaldeep, Padhi Bikramaditya</i>	281
67. Basics of Dementia <i>Natarajan Visvanathan</i>	284
68. Approach to Vertigo <i>VG Nadagouda</i>	287
69. Approach to Proximal Muscle Weakness <i>Atanu Ghosh</i>	291
70. Stroke Mimics—What to Do? <i>Sudha Vidyasagar</i>	301

## SECTION 9: ONCOLOGY

71. Liquid Biopsy in Cancers <i>Gumdal Vishesh</i>	307
72. Teenage and Young Adult Cancer: A New Subspecialty of Oncology <i>Prakash Chitalkar, Gumdal Vishesh</i>	309

## SECTION 10: PULMONOLOGY

73. Approach to Solitary Pulmonary Nodule <i>Vaibhav Shukla</i>	315
74. Newer Diagnostics Modalities in Tuberculosis <i>AG Ghoshal, Indranil Halder, Avik Ghoshal</i>	319
75. Newer Medicine in the Management of Chronic Obstructive Pulmonary Disease <i>Prem P Gupta</i>	323

## SECTION 11: POISONING

76. First Aid in Poisoning and Snake Bite 331  
*Ramasamy Balajinathan*

## SECTION 12: RABINDRANATH TAGORE ORATION

77. The Adventure of Systemic Vasculitis: Care and Clinical Research 339  
 "Rabindranath Tagore Oration 2019"  
*Aman Sharma*

## SECTION 13: RHEUMATOLOGY

78. Managing Back Pain 345  
*Chandrashekara S*
79. Spondyloarthropathies—Changing Concepts and Diagnosis 347  
*Rajkiran Dudam*
80. Spondyloarthropathy Management 350  
*Syamasis Bandyopadhyay*
81. Reactive Arthritis 352  
*Pradip Kumar Sarma*
82. Psoriatic Arthritis: Current Concepts 356  
*Sourabh Malviya*
83. Arthritis Mimickers 359  
*B Padma Kumar*
84. Newer Therapies in Rheumatoid Arthritis 362  
*J Binoy*
85. Diagnosis of Adult Onset Still's Disease 365  
*Jayachandran NV, Prashanth Poulouse*
86. Sjögren's Syndrome—Are We Under Diagnosing it? 370  
*P Velammal, VN Nagaprabu*
87. ANA and ANA Profile: When to Order and How to Interpret Pitfalls? 374  
*Padmanabha Shenoy D, Glaxon Alex*
88. Systemic Lupus Erythematosus—Current Concepts 379  
*S Aparna Reddy, G Narsimulu*
89. Systemic Sclerosis: Newer Therapies 386  
*Shefali K Sharma*
90. Myositis: Recent Advances in Diagnosis and Management 390  
*I Rajendra Vara Prasad*
91. Approach to Vasculitis 395  
*Adapa Ramakrishnam Naidu, G Narsimulu*
92. IgG4-Related Disease: A New Disease or New Name of an Old Disease 399  
*Satyabrata Ganguly, Ramiz Islam*
93. Glucocorticoid Therapy in Rheumatic Diseases: What's Latest? 401  
*Vinod Ravindran*

94. Gout beyond Xanthine Oxidase Inhibitors <i>Arup Kumar Kundu, Kaushik Basu</i>	404
95. Medical Management of Osteoarthritis <i>Rohini Handa</i>	407
96. Vaccination in Connective Tissue Diseases <i>Sameer Gulati, Anu Maheshwari</i>	411
<i>Index</i>	417