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360. Digital Medicine in United States: Implications for Indian Healthcare
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361. How to Combat the Threat of Diabetes, Coronary Artery Disease and Stroke in India? 1887
   Ashok K Das

362. Diuretics in Hypertension 1890
   Kunal Kothari

363. Hypertension Guidelines: From Confusion to Clarity, Thanks to SPRINT 1895
   C Venkata S Ram

364. Rationale and Importance of Combination Drug Therapy in Hypertension 1899
   Amit A Bharadiya, C Venkata S Ram

365. Invasive Fungal Infections: Current Concepts 1905
   Devan Jain, Ankur Gupta, Pratap Gupta

366. Chronic Kidney Disease: Epidemiology and Solutions 1912
   Anupam Bhor, Gaurav Sagar, Sanjeev Jasuja

367. Dengue Fever 1917
   Shubhraj Ghosh, Prabuddha Mukhopadhyay, Saumya Bhat

   Sudhir Bhandari

369. Early Aggressive Management of Type 2 Diabetes 1926
   Shashank R Joshi, Saurabh Arora

370. Controversies in the Treatment of Acute Pancreatitis 1930
   Rekha Tandon

371. How to Interpret Bacterial Load and MIC in Culture Report 1935
   Smruti Baniak, Sanjay Kumar Mallick

372. Ultrasonography in Chest Diseases 1939
   BNGB Prasad, Sudhir Saxena, Monika Goyal

373. Common Pitfalls in Day-to-Day Management of Diabetes Mellitus 1944
   Siddharth D Shah

374. Role of Dual Peroxisome Proliferator-activated Receptor Agonist in Diabetic Dyslipidemia 1948
   Jayanta K Panda, Prakash C Panda, Smita K Panda

375. Myths and Pearls in the Management of Rheumatoid Arthritis 1951
   Sukumar Mukherjee, Somnath Bhar

376. Management of Hepatic Encephalopathy 1956
   Rajesh Upadhyay, VK Gupta, Shubhra Gupta, Praneet Wander

377. Large Vessel Vasculitis 1961
   Milind Y Nadkar, Madhur Maheshwari