



DR. MANEESH RAI K

Consultant - Cardiac Electrophysiology

Qualification

MBBS | MD | DM (Cardio) | Fellowship in Cardiac Electrophysiology

Overview

Dr. Maneesh Rai K is the best cardiac specialist in Goa with extensive training and experience in the field of cardiology. He is currently associated with Manipal Hospitals, Goa. His journey towards becoming a renowned medical professional began with a solid foundation in academic excellence and a dedication to serving his patients with the utmost care and compassion. Dr. Maneesh completed his MBBS from Kasturba Medical College, Mangalore, where he distinguished himself by earning gold medals in Pathology, ENT, and Surgery. His exemplary performance throughout his undergraduate years earned him the prestigious “T.M.A PAI Blue Ribbon Award’ for being the Best Outgoing MBBS Student. Dr. Maneesh pursued postgraduate studies at the renowned Jawaharlal Institute of Postgraduate Medical Education and Research (JIPMER), where he completed his MD in General Medicine. During this time, he was awarded a gold medal in General Medicine and received accolades for his outstanding thesis on “Co-morbidities and Outcome Study in Diabetic Foot”. Driven by his passion for cardiology, Dr. Maneesh further specialised in the field by obtaining a DM in Cardiology from Sri Jayadeva Institute of Cardiovascular Sciences

and Research (SJICR), Bangalore. His expertise was further enhanced through a Fellowship in Cardiac Electrophysiology at the same institution. With a wealth of clinical training and expertise under his belt, Dr. Maneesh has held various esteemed positions in reputable medical institutions. He served as an Assistant Professor in Cardiology at both SJICR, Bangalore, and Kasturba Medical College, Mangalore. Additionally, he has served as a Postgraduate Resident in both Cardiology and General Medicine, further enriching his clinical acumen. Dr. Maneesh is renowned not only for his medical expertise but also for his compassionate approach to patient care. He believes in building strong relationships with his patients, ensuring they feel heard, understood, and supported throughout their medical journey. With a commitment to excellence and a patient-centred approach, Dr. Maneesh Rai K continues to make significant contributions to the field of cardiology, improving the lives of his patients and shaping the future of healthcare.

Fellowship & Membership

- Fellowship in Cardiac Electrophysiology

Field of Expertise

- Arrhythmias, Pacing, Heart Failure, Syncope Evaluation & Management
- Pacemaker Implantation Cardia Resynchronisation Therapy Devices
- Physiological Pacing
- EP studies & RF Ablation
- Procedure for Arrhythmias
- 3D Mapping and RFA for Complex Arrhythmias

Languages Spoken

- English
- Hindi
- Kannada

Talks & Publications

- S Akhtar, MK Rai, TK Dutta, DKS Subrahmanyam, C Adithan. Atropine-induced rhabdomyolysis: An uncommon and potentially fatal adverse drug reaction. J Postgrad Med 2010;56:42-3.
- Chikkaswamy BC, Rai MK, Nagesh CM, and Reddy B, Dinesha B, Manjunath CN. Preventing a central nervous system catastrophe in a case of Takayasu's arteritis presenting with critical stenosis of all three arch vessels. 2012, DOI: 10.1007/s12928-011-0093-9. (online first in Cardiovascular Intervention and Therapeutics on 10th Jan 2012)
- Rai MK, Banu S, Manjunath CN, Deedwania P. Lp(a) and severity of Coronary Artery Disease in Asian Indians - (abstract published in circulation,2012).
- Shankarappa RK, Math RS, Chikkaswamy SB, Rai MK, Karur S, Dwarakprasad R, Nanjappa MC. Transjugular percutaneous transvenous mitral commissurotomy (PTMC) using conventional PTMC equipment in rheumatic mitral stenosis with interruption of inferior vena cava. J Invasive Cardiol. 2012 Dec;24(12):675-8.
- Mahimarangariah J, Kikkeri H S, Rai K M, Nanjappa MC. Transcatheter Device Closure of Ruptured Sinus Of Valsalva and Post-surgical Residual Ventricular Septal Defect. Catheter Cardiovasc Interv. 2013 Nov 15;82(6):E803-8.
- Shenthar J, Rai MK, Walia R, Ghanta S, Sreekumar P, Reddy SS. Transvenous permanent pacemaker implantation in

- dextrocardia: technique, challenges, outcome, and a brief review of the literature. *Europace*. 2014 Mar 2.
- Jyaranathan Mahimarangariah, Usha Mandikal Kodanda Rama Sastry, Maneesh K Rai, Manjunath Cholenhally Nanjappa, Arterioportal fistula-unusual and treatable cause of portal hypertension. 58(6):p e54-e55, June 2014.
 - Shankar J, Rai MK. Preexcited tachycardia mimicking outflow tract ventricular tachycardia ablated from the left coronary cusp. *J Cardiovasc Electrophysiol*. 2014 Jun;25(6):653-6.
 - Shankar J, Rai MK, Rohith Walia, Somashekar Ghanta, Praveen Sree Kumar, Sathish S Reddy – Transvenous permanent pacemaker implantation in dextrocardia – Technique, challenges, outcome and brief review of literature, *EP Europace*, Volume 16, Issue 9, September 2014.
 - Shankar J, Ghanta S, Rai MK, Walia R. Riata lead failure presenting as a life-threatening electrical storm: A novel manifestation of electrical lead failure. *JOA*, Volume 30, Issue 6 (Available online 5 April 2014).
 - Jayaprakash Shenthathar, Maneesh K Rai, . Permanent pacemaker implantation in a patient with situs solitus, dextrocardia, and corrected transposition of the great arteries using a novel angiographic technique. *Journal of Arrhythmia*, Volume 30, Issue 2, April 2014, Pages 134-138.
 - Jayaprakash Shenthathar, Surender Deora, Maneesh Rai, Cholenhalli Nanjappa Manjunath- Prolonged Tpeak end and T peak-end/QT ratio – as predictors of Malignant ventricular arrhythmias in the acute phase of ST-segment elevation myocardial infarction –Prospective case-control study- *Heart rhythm Journal* – Volume 12 – Issue 3- Published on Dec 31, 2014.
 - Jayaprakash Shenthathar, Rajani Sharma, Maneesh K Rai, Prasanna Simha – Infiltrating cardiac lymphoma presenting as ventricular tachycardia in young adults – *Indian Heart Journal* – Volume 67-

Issue 4- Pages 359-361 – July – August 2015.

- Jayaprakash Shenthar, Maneesh K Rai, - Diagnostic Dilemma with narrow QRS regular rhythm at normal rates in a patient with corrected transposition of great arteries – Indian Pacing and Electrophysiology Journal- Volume 15, Issue – 3, May – June 2015, Pages 18-183.
- Jayaprakash Shenthar, Saligrama Ramegowda Kalpana, Mukund A Prabhu, Maneesh K Rai, Ravi Kumar Kalyani Naga Shetty, Giridhar Kamala Purkar – Histopathological study of left and right atria in isolated rheumatic mitral stenosis with and without atrial fibrillation – Journal of Cardiovascular Electrophysiology – Volume 27- Issue – 9. Pages 1047-1054 – June 2016.
- Maneesh K Rai, Mukund A Prabhu, Abhishek Sharma, RiteshVekariya, Padmanabh Kamath, NarsimhaPai, Ramanat L Kamath. Optimized LV-only pacing using a dual chamber pacemaker as a cost-effective alternative to CRT. 2/5/2017, 10.1016/j.jpe)2917. 01.001.
- Maneesh K Rai, Mukund A Prabhu, Jayaprakash Shenthar, Natarajan Kumaraswamy U, RiteshVekariya, PadmanabhKamath, Narasimha Pai, Ramanath L Kamath, Vivek Pillai. Evaluation of baseline ECG in patients undergoing oral flecainide challenge test for suspected Brugada syndrome, An analysis of lead III. 10.1016/j.jpej.2017.04.002.
- Maneesh K Rai, Somashekar Ghanta – 2:1 atrioventricular conduction due to congenital long QT syndrome- Indian Journal Cardiovascular disease in women - Volume 2 – Issue – 3.
- Rai MK, Pai N, Patel K, Prabhu MA, Marla J, Kamath P, Kamath RL. Fosphenytoin for control of electrical storm in acute MI and Purkinje fiber-mediated arrhythmias. Pacing clinElectrophysiol 2018 April 14.
- Siddartha Reddy, Maneesh Rai, Raviraj Singh Chouhan, Suchetha Rao, Nutan Kamath – Electrocardiographic analysis of

- repolarization changes in South Indian children with Kawasaki disease after the acute phase of illness. Volume 18- International Journal of Paediatrics - July 2018.
- Jayaprakash Shenthar, Maneesh K Rai, Tammo Delhaas - Transvenous pacing in complex post-operative congenital heart disease guided by angiography - a case report- Indian pacing and electrophysiological Journal. Volume 19 - Issue - 9. Pages 30-33. Jan - Feb - 2019.
 - Waseen Rafeek Ahmed Nadaf, Shashikant, Padmanabh Kamath, Narayana M Bhat, Narasimha Pai, Rajesh Bhat, Maneesh Rai, Ramanath L Kamath - An analysis of incidence and complications of right ventricular infarction in patients with inferior wall myocardial infarction - Indian Heart Journal, Volume 17, Supplement, Pages S 40-S 41, November 2018.
 - M N Bhat, Siddeh B Wagh, Padmanabh Kamath, Rajesh Bhat, Narasimha Pai, Maneesh Rai, R L Kamath - Intracoronary Nikorandil in treating slow or no-reflow phenomenon during primary coronary intervention, - Indian Heart Journal - Volume 70 - Supplement 2, Nov 2018 - Page S 68.
 - Kashyap Manibhai Patel, Sayed Waleem Pasha, Narasimha Pai, Padmanabh Kamath, Narayan Bhat, Rajesh Bhat, Maneesh Rai - Left ventricular global longitudinal strain in severe aortic stenosis and preserved left ventricular ejection fraction undergoing surgical valve replacement. Indian Heart Journal - Volume 17- Supplement -2.
 - M N Bhat, Siddesh B Wagh, Padmanabh Kamath, Rajesh Bhat, Narasimha Pai, Maneesh Rai, R L Kamath - Sodium nitroprusside in treating slow /no re-flow phenomenon during primary coronary intervention - Indian Heart Journal - Volume 70 - Supplement -2, November 2018- Pages S 65-66.
 - Waseem Rafeek Ahmed Nadaf, Akshay Madhukar Dalal, Padmanabh Kamath, Narayan M Bhat, Narasimha Pai, Rajesh Bhat, Maneesh Rai, Ramanath L Kamath - Speckle tracking

- during dobutamine stress echo in TMT positive patients with normal coronary angiogram - Indian Heart Journal - Volume 70- Supplement 2- Nov 2018 - Pages S 18.
- Kashyap Manibhai Patel, Rajesh Bhat, Padmanabh Kamath, R L Kamath, Maneesh Rai, Narasimha Pai, M N Bhat - Study of clinical profile and utility of various tests in patients with syncope - Indian Heart Journal Volume 70 - Supplement 2 - Nov 2018 - Pages S 84.
 - Maneesh K Rai, Rohith Pai, Mukund A Prabhu, Syed Waleem Pasha, Rakshith C Kedambadi, Padmanabh Kamath, Alfred J Augustine, Gangham Srilakshmi Bhavani, Katta M Girisha - Short term response to Phenytoin, Sodium in any Andersen - Tawil syndrome - 1 with a cardiac dominant phenotype - Pacing and clinical electrophysiology - Volume 42- Issue 2 -Pages 201-207- Dec 2018.
 - Deepak Padmanabhan, Bharath BaSalnavalikar, Maneesh Rai, G Kamalapurkar, S R Kalpana, Jayaprakash Shenthar - Histological features of the atria in patients with mixed mitral valvular heart in sinus rhythm and atrial fibrillation. Journal American College of Cardiology - Volume 73 - Issue - 9, Supplement 1, 12/3/2019. Paged 538.
 - Muthayya Subramanian, Mukund A Prabhu, Maneesh Rai, M S Harikrishnan, Saritha Sekhar, Praveen G Pai, Kumaraswamy U Natarajan - A Novel prediction model for risk stratification in patients with a type I Brugada ECG pattern. Journal of Electrocardiology Volume 55, July- August 2019, Pages 65-71.
 - Jayaprakash Shenthar, Maneesh K Rai, Shiva S Chakali, Vivek Pillai, Tammo Delhaas - Computed Tomography validated right ventricle mid septal lead implantation using Rt ventricle angiography - Journal of arrhythmia, Volume 37- Issue 5, Pages 1131-1138. July 11, 2021.
 - Jayaprakash Shenthar, Sanjay P Valappil, Maneesh K Rai, Bharthraj Banavalikar, Deepak Padmanabhan, Tammo Delhaas

- Angiography guided mid or high septal implantation of ventricle leads in patients with congenital heart disease - Journal of Arrhythmia volume 37 - Issue - 6, Pages 1512 - 1521.
- Saligrama R Kalpana, Jayapraksh Shenthara, Deepak Padmanabhan, Maneesh K Rai, Ankith Singh, Bharathraj Banavalikar, Ravi Kumar N Kalyani, Giridhar Kamalapurkar - Histological study of the atria in patients with isolated rheumatic mitral regurgitation with and without atrial fibrillation. Journal of Cardiovascular Electrophysiology - volume 33, Issue 12, Nov 20-21.