

PROFILE

DR. KRISHNA KUMAR. M MBBS, MD, DM, Fellowship in EP.

Consultant Cardiologist & Electrophysiologist

Clinical Fellowship in Adult Cardiac Electrophysiology, University of Toronto

A. BIOGRAPHICAL INFORMATION

Mobile 965 65917566, 919633675320.
Email kakkam@gmail.com , jayaunni13@yahoo.com.
Permanent address 6A, SFS – Peach, Cyber Palms, Karimanal P.O, Trivandrum, India.

EDUCATION

DEGREES, POSTGRADUATE, RESEARCH AND SPECIALTY TRAINING

1/7/2012 – 30/6/2013	Clinical Fellowship in Cardiac Electrophysiology and Pacing, Schulich Cardiac Centre, Sunnybrook Hospitals, University of Toronto, Canada. Supervisor(s): Dr. Eugene Crystal
1/1/2010 – 31/12/2010	Postdoctoral Fellowship in Cardiac Electrophysiology and Pacing, SCTIMST, Trivandrum, India. Supervisor(s): Dr. Jagan Mohan Tharakan, Dr. Ajit Kumar V. K
1/1/2007 – 31/12/2009	DM Cardiology, Postgraduate Training, SCTIMST, Trivandrum, India.
14/3/2003 – 16/3/2006	MD Internal Medicine, Postgraduate Training, Government Medical College, Trivandrum, India.
1/9/1996-15/3/2002	M.B.B.S, Government Medical College, Trivandrum, India.
1994-1996	Pre-degree Course, University of Kerala, India.

QUALIFICATIONS

2013 July	Clinical fellowship in Cardiac Electrophysiology and Pacing, University of Toronto, Canada.
2010	Postdoctoral Fellowship in Cardiac Electrophysiology and Pacing, SCTIMST, Trivandrum, India
2009	D.M. Cardiology , SCTIMST, Trivandrum, India
2006	M.D. Internal Medicine , Government Medical College, Trivandrum, India.
2001	M.B.B.S , Government Medical College, Trivandrum, India.

LICENSES

2012 July – 2013 June	Limited Medical License, College of Physicians and Surgeons of Ontario, Canada. No.98932
2011 July – 2012 May	Limited Medical License, Kuwait Medical Council
2010 to present	Registration of additional qualification D. M. (Cardiology) Reg no. 30834 with the Travancore Cochin Medical Council, Trivandrum, India -2010

2006 to present	Registration of additional qualification M.D (Internal Medicine) Reg no. 30834 with the Travancore Cochin Medical Council, Trivandrum, India -2010
2002 to present	Registration of M.B.B.S, Reg no. 30834 with the Travancore Cochin Medical Council, Trivandrum, India -2010

EXPERIENCE

04.01.2023 – to present(continuing)	Consultant Cardiologist, Department of Cardiology, Dabbous Cardiac Centre, Ministry of Health, Kuwait.
11.11.2021 – 16.12.2022	Additional Professor, Consultant Cardiologist & Electrophysiologist, Department of Cardiology, Sree Chitra Tirunal Institute for Medical Sciences & Technology, Trivandrum, India.
11.11.2018 – 10.11.2021	Associate Professor, Consultant Cardiologist & Electrophysiologist, Department of Cardiology, Sree Chitra Tirunal Institute for Medical Sciences & Technology, Trivandrum, India.
11.11.2015 – 10.11.2018	Assistant Professor, Consultant Cardiologist & Electrophysiologist, Department of Cardiology, Sree Chitra Tirunal Institute for Medical Sciences & Technology, Trivandrum, India.
16.07.2015 – 09.11.2015	Assistant Professor, Consultant Cardiologist & Electrophysiologist, Department of Cardiology, Sree Chitra Tirunal Institute for Medical Sciences & Technology, Trivandrum, India. [TEMPORARY]
12.02.2014 – 14.07.2015	Assistant Professor, Consultant Cardiologist & Electrophysiologist, Department of Cardiology, Sree Chitra Tirunal Institute for Medical Sciences & Technology, Trivandrum, India. [TEMPORARY]
15.09.2013 – 24.01.2014	Specialist, Department of Cardiology, Dabbous Cardiac Centre, Ministry of Health, Kuwait.
01.07.2012 – 30.06.2013	Clinical fellow in Cardiac Electrophysiology and Pacing, Sunnybrook Health Sciences Centre, Toronto, Ontario, Canada.
06.07.2011 – 10.05.2012	Senior registrar, Department of Cardiology, Dabbous Cardiac Center, Ministry of Health, Kuwait.
28.01.2011 – 10.06.2011	Consultant Cardiologist & Electrophysiologist, Sree Chitra Thirunal Institute for Medical Sciences & Technology, Trivandrum, India.
01.01.2010 – 31.12.2010	Postdoctoral Fellow in Cardiac Electrophysiology and Pacing, Sree Chitra Thirunal Institute for Medical Sciences & Technology, Trivandrum, India.
01.01.2007 – 31.12.2009.	Senior resident in Cardiology, Sree Chitra Thirunal Institute for Medical Sciences & Technology, Trivandrum, India.
31.07.2006 – 20.11.2006	Assistant Professor in Internal Medicine, Dr. S M CSI Medical College, Trivandrum, India
14.03.2003 – 16.3.2006	Junior resident in Internal Medicine, Government Medical College, Trivandrum, India.

01.04.2002– 28.02.2003	Medical Officer, Santhinekethan Hospital, Kalady, India.
16.03.2001 – 15.03.2002	Resident Intern, Government Medical College, Trivandrum, India.

PATIENT CARE SERVICES

I. OPD / CLINICS / PRE-PROCEDURAL ASSESSMENT/IMAGING CONSULTATIONS PER MONTH

- **Cardiology OPD clinic** - Twice in a week (15 newly referred patients, 15 review patients).
- **Pacemaker clinic** – Once in a week (10 post device implant patient’s follow-up)
- **Inter-departmental consultations** - on all OPD clinic days and also on all weekdays.

II. IPD DUTIES: WARD / ICU ROUNDS / IMAGING & REPORTING / EMERGENCY DUTIES / INTERDEPARTMENTAL CONSULTATIONS PER MONTH

- **Ward rounds:** Twice in a week
- **CCU rounds:** Once in week as part of weekly on call duty and once in 6 weeks as part of weekend duty.
- **Imaging services:** Adult cardiology patients - pre- and post-operative and pre and post-procedure imaging once a week, Pre-procedure Transesophageal echocardiography (TEE) to assess mitral valve before balloon mitral valvotomy and to rule out LA thrombi.
- **Consultation services** - Pre-procedural assessment for patients from other departments (this includes performance of Electrophysiology studies, radio frequency ablation and device implantation procedures when indicated). Consultation services for evaluation and management of peri-operative assessment for cardiovascular events like myocardial infarction and pulmonary embolism.

III. SURGERIES / PROCEDURES /ADVANCED IMAGING UNDERTAKEN

- **Electrophysiology studies and radio frequency ablation** - 25 cases per month.
- **Device implantation procedures** - 10 cases per month.
- **Diagnostic cardiac catheterization and hemodynamic studies** - 20 cases per month.
- **Percutaneous coronary intervention** – 10 per month.

PROJECTS

Sl no	Title	Role	Duration	IEC No	Funding agency
1	Digoxin in patients with rheumatic heart disease - a randomized placebo- controlled trial	Co-PI	4 years	1516	Indian Council of Medical Research
2	Contemporary outcomes in cardiac channelopathies guided by genotype and phenotype-based management	Co-PI	5 years	1561	Indian Council of Medical Research

3	Impact of COVID-19 on Heart Failure Hospitalization and Outcome in India - A Cardiological Society of India Study (CSI-HF in COVID 19 Times Study - "The COVID C-HF Study".	Co-PI	6 months	1692	Cardiological Society of India, Kerala Chapter
4	Development of Coronary Stent System - Development of TiN Coated Coronary Stent. [Project # 8152/PSN]	Co-PI	04/2019 - ongoing		Technical Research Centre for Biomedical Devices
5	Kerala Acute Heart Failure Registry (completed in 2019)	Co-PI	2 years	894	Cardiological Society of India, Kerala Chapter
6	Influence of Genetic Polymorphisms in oral vitamin K antagonist anticoagulation dose requirement in a south Indian population requiring prosthetic heart valves. (completed)	Co-PI	2 years	1013	CSI Kerala Chapter
7	Kerala Atrial Fibrillation registry (completed)	Co-PI	2 years	901	CSI Kerala Chapter

PUBLICATIONS

[https://pubmed.ncbi.nlm.nih.gov/?](https://pubmed.ncbi.nlm.nih.gov/?term=Krishna+Kumar+Mohanan+Nair+OR+Mohanan+Nair+KK+OR+Kumar+MK+Trivandrum+OR+Nair+Krishnakumar+Mohanan+OR+Nair+KKM)

[term=Krishna+Kumar+Mohanan+Nair+OR+Mohanan+Nair+KK+OR+Kumar+MK+Trivandrum+OR+Nair+Krishnakumar+Mohanan+OR+Nair+KKM.](https://pubmed.ncbi.nlm.nih.gov/?term=Krishna+Kumar+Mohanan+Nair+OR+Mohanan+Nair+KK+OR+Kumar+MK+Trivandrum+OR+Nair+Krishnakumar+Mohanan+OR+Nair+KKM)

[https://www.researchgate.net/profile/Krishna_Kumar_Mohanan_Nair.](https://www.researchgate.net/profile/Krishna_Kumar_Mohanan_Nair)

2023

1. Singh G, Prasad S, Namboodiri N, Thajudeen A, **Mohanan Nair KK**, Sp A, Tharakan JA, Vk AK. Programmed ventricular stimulation in structural heart disease: Implications of patterns of ventricular arrhythmias induced to long-term outcomes. Indian Heart J. 2023 Jan-Feb;75(1):17-24. doi: 10.1016/j.ihj.2022.12.002. Epub 2022 Dec 26. PMID: 36581158; PMCID: PMC9986739.
2. Mohankumar N, Namboodiri N, **Nair KKM**, Raghuram K, Valaparambil A, Mahadevan KK. Study of atrial arrhythmias after surgical or device closure of atrial septal defect. Natl Med J India. 2023 Sep-Oct;35(5):271-275. doi: 10.25259/NMJI_348_20. PMID: 37167494.
3. Abraham, A., Panicker, V.T., **Mohanan Nair, K.K.**, Karunakaran, J. Ectopic atrial rhythm after superior septal approach to the mitral valve — an often under-reported entity. Indian J Thorac Cardiovasc Surg (2023). <https://doi.org/10.1007/s12055-022-01471-7>
4. Bhargava DV, Gopalakrishnan A, **Nair KK**, Dharan BS, Sivasubramonian S, Tharakan J. Pancycle aortic incompetence and double alternans in pediatric heart failure. Ann Card Anaesth 2023;26:232-4.

2022

1. Kakarla S, Sasikumar D, Varma RP, Kurup HKN, Gopalakrishnan A, **Nair KKM**, Dharan BS, Krishnamoorthy KM. Influence of age at surgery on left ventricular strain in patients with anomalous origin of left coronary

- artery from pulmonary artery (ALCAPA). *Eur J Cardiothorac Surg*. 2022 Dec 13;ezac486. doi: 10.1093/ejcts/ezac486. Epub ahead of print. PMID: 36511627.
2. Namboodiri N, Kakarla S, **Mohan Nair KK**, Abhilash SP, Saravanan S, Pandey HK, Vijay J, Sasikumar D, Valaparambil AK. Three-dimensional electroanatomical mapping guided right bundle branch pacing in congenitally corrected transposition of great arteries. *Europace*. 2022 Dec 12;euac239. doi: 10.1093/europace/euac239. Epub ahead of print. PMID: 36504239.
 3. Raghuram K, **Nair KKM**, Namboodiri N, Abhilash SP, Valaparambil AK. Clinical profile and outcomes of semi-permanent pacing in a tertiary care institute in southern India. *Indian Pacing Electrophysiol J*. 2022 Nov 11: S0972-6292(22)00146-2. doi: 10.1016/j.ipej.2022.11.001. Epub ahead of print. PMID: 36372273.
 4. **Mohan Nair KK**, Namboodiri N, Valaparambil A. Interesting phenomenon during positioning of the 3830 lead deep inside the septum by rapid rotations. What is the mechanism? *J Electrocardiol*. 2022 Mar 16;72:58-60. doi: 10.1016/j.jelectrocard.2022.03.002. Epub ahead of print. PMID: 35325651.
 5. **Mohan Nair KK**, Namboodiri N, Valaparambil A. Interesting phenomenon during programmed deep septal stimulation. What is the mechanism? *J Cardiovasc Electrophysiol*. 2022 Mar 18. doi: 10.1111/jce.15454. Epub ahead of print. PMID: 35304793.
 6. Kawoo GM, **Nair KKM**, Sasidharan B, Valaparambil AK. Valvular and supra-valvular aortic stenosis fifteen years after coronary artery bypass grafting in a patient with familial hypercholesterolaemia. *Acta Cardiol*. 2022 Mar 3:1-2. doi: 10.1080/00015385.2022.2036486. Epub ahead of print. PMID: 35240937.
 7. Raghuram K, **Nair KKM**, Namboodiri N, Valaparambil A. Tachycardiomyopathy managed by successful ablation of right ventricular outflow tract premature ventricular complexes. *Natl Med J India*. 2022 Jul-Aug;34(4):211-213. doi: 10.25259/NMJI_433_19. PMID: 35112544.

2021

1. Bharath R, **Nair KKM**, Gupta D, Bindhu RV. Assessment of Lewis Negative Phenotype as A Risk Factor for Multi Vessel Disease in Patients with Acute Coronary Syndrome. *Transfus Clin Biol*. 2021 Dec 30:S1246-7820(21)00531-0. doi: 10.1016/j.tracli.2021.12.008. Epub ahead of print. PMID: 34974187.
2. **Mohan Nair KK**, Namboodiri N, Valaparambil A. "All that glitters is not gold". *J Arrhythm*. 2021 Oct 11;37(6):1572-1575. doi: 10.1002/joa3.12645. PMID: 34887966; PMCID: PMC8637090.
3. **Mohan Nair KK**, Namboodiri N, Shafeeq A, Parashar NK, Valaparambil A. Absence of right bundle branch block morphology in V1 during left bundle branch pacing. What is the mechanism? *J Cardiovasc Electrophysiol*. 2021 Oct 14. doi: 10.1111/jce.15263. Epub ahead of print. PMID: 34647673.
4. Sundaram C, Namboodiri N, Ajitkumar VK, **Mohan Nair KK**. Two pacing spikes on the T wave in a single-chamber pacemaker: What is the mechanism? *Indian Pacing Electrophysiol J*. 2021 Sep 30:S0972-6292(21)00145-5. doi: 10.1016/j.ipej.2021.09.003. Epub ahead of print. PMID: 34601109.
5. Raghuram K, **Mohan Nair KK**, Namboodiri N, Das D, Valaparambil A. Management of a complicated 'pacemaker pocket' site infection. *Natl Med J India*. 2021 Mar-Apr;34(2):84-85. doi: 10.4103/0970-258X.326761. PMID: 34599117.
6. **Mohan Nair KK**, Namboodiri N, Valaparambil A. Narrow QRS Tachycardia: What Is the Mechanism? *J Innov Card Rhythm Manag*. 2021 Aug 15;12(8):4647-4648. doi: 10.19102/icrm.2021.120803. PMID: 34476117; PMCID: PMC8384300.
7. Bhattacharya D, Namboodiri N, Valaparambil A, Valakada J, **Mohan Nair KK**. Cardiac magnetic resonance imaging in right ventricular outflow tract arrhythmia: a retrospective analysis from a tertiary care centre in South India. *Acta Cardiol*. 2021 Nov;76(9):1019-1024. doi: 10.1080/00015385.2021.1965749. Epub 2021 Aug 20. PMID: 34412572.
8. **Mohan Nair KK**, Shafeeq A, Namboodiri N, Valaparambil A. Interesting response of a narrow QRS tachycardia to a "concealed" late ventricular extrastimulus. What is the mechanism? *J Cardiovasc Electrophysiol*. 2021 Aug 19. doi: 10.1111/jce.15217. Epub ahead of print. PMID: 34411392.
9. **Mohan Nair KK**, Namboodiri N, Valaparambil A. Interesting Response with the Delivery of Right Ventricular Extrastimulus of Increasing Prematurity. *J Innov Card Rhythm Manag*. 2021 Jul 15;12(7):4587-4588. doi: 10.19102/icrm.2021.120706. PMID: 34327043; PMCID: PMC8313185.

10. Das D, Nair KKM, Namboodiri N, Valaparambil A. Tricuspid annular PVCS: Radiofrequency ablation by subtricuspid retrograde catheter approach. *Indian Pacing Electrophysiol J.* 2021 Jul 26;S0972-6292(21)00117-0. doi: 10.1016/j.ipej.2021.07.007. Epub ahead of print. PMID: 34324965.
11. Mohanan Nair KK, Shafeeq A, Namboodiri N, Valaparambil A. Antidromic His capture during ventricular entrainment of an orthodromic AV reentrant tachycardia. What is the mechanism? *J Cardiovasc Electrophysiol.* 2021 Jul 27. doi: 10.1111/jce.15183. Epub ahead of print. PMID: 34314074.
12. Nair KKM, Parashar NK, Shafeeq A, Namboodiri N, Valaparambil A. Shorter post pacing interval during initiation of regular narrow QRS tachycardia. What is the mechanism? *J Electrocardiol.* 2021 May 25;67:71-72. doi: 10.1016/j.jelectrocard.2021.05.008. Epub ahead of print. PMID: 34090116.
13. Mohanan Nair KK, Shafeeq A, Namboodiri N, Valaparambil A. Discordant responses to his refractory premature ventricular beats (PVBs) during a regular narrow QRS tachycardia. What is the mechanism. *Pacing Clin Electrophysiol.* 2021 Jun;44(6):1094-1096. doi: 10.1111/pace.14262. Epub 2021 May 24. PMID: 33974711.
14. Nair KKM, Namboodiri N, Ganapathi S, Valaparambil A. Transition during radiofrequency ablation of manifest preexcitation. What is the mechanism? *J Electrocardiol.* 2021 May-Jun;66:49-53. doi: 10.1016/j.jelectrocard.2021.02.016. Epub 2021 Mar 9. PMID: 33770648.
15. Kartha GB, Gopalakrishnan A, Nair KK, Krishnamoorthy KM. Question and answer scheme heart failure in a patient with prosthetic aortic valve. *IHJ Cardiovascular Case Reports (CVCR).* 2021 Jun 2. <https://doi.org/10.1016/j.ihjccr.2021.05.005>. [Indexed in EMBASE]
16. Mohanan Nair KK, Prabhu MA, Balaguru S, Namboodiri N, Valaparambil A. Regular narrow QRS tachycardia. What is the mechanism? *Pacing Clin Electrophysiol.* 2021 Apr;44(4):720-722. doi: 10.1111/pace.14207. Epub 2021 Mar 8. PMID: 33641183.
17. Mohanan Nair KK, Namboodiri N, Valaparambil A. Palpitation in a young man with underlying preexcitation. What is the mechanism? *Indian Pacing Electrophysiol J.* 2021 May-Jun;21(3):198-199. doi: 10.1016/j.ipej.2021.01.008. Epub 2021 Jan 24. PMID: 33503471; PMCID: PMC8116730.
18. Paidi SK, Nair KKM, Namboodiri N, Balaguru S, Valaparambil A. Re-entrant ventricular tachycardia in a postoperative case of tetralogy of Fallot - Ablated successfully under the three-dimensional mapping system. *Ann Pediatr Cardiol.* 2021 Jan-Mar;14(1):107-112. doi: 10.4103/apc.APC_84_20. Epub 2020 Nov 25. PMID: 33679074; PMCID: PMC7918035.
19. Agarwal A, Nair KKM, Valaparambil A. Mitral valve leaflet diverticulum with vegetation-a rare complication in rheumatic heart disease. *Indian J Thorac Cardiovasc Surg.* 2021 May;37(3):326-328. doi: 10.1007/s12055-020-01066-0. Epub 2020 Oct 17. PMID: 33967424; PMCID: PMC8079529.
20. Agarwal A, Valaparambil A, Nair KKM, Harikrishnan S, Bhattacharya D. Large Impending Paradoxical Embolus: Thrombotic Railroading from Right Ventricle to Left Ventricular Outflow. *J Cardiovasc Imaging.* 2021 Jul;29(3):284-286. doi: 10.4250/jcvi.2020.0143. Epub 2020 Nov 18. PMID: 33605097; PMCID: PMC8318808.

2020

1. Nair KKM, Namboodiri N, Valaparambil A. An interesting case of wide QRS tachycardia. What is the mechanism? *J Electrocardiol.* 2020 Nov-Dec;63:94-97. doi: 10.1016/j.jelectrocard.2020.10.003. Epub 2020 Oct 17. PMID: 33161200.
2. Gopalakrishnan A, Sivadasanpillai H, Ganapathi S, Mohanan Nair KK, Sivasubramonian S, Valaparambil A. Clinical profile & long-term natural history of symptomatic coronary artery disease in young patients (<30 yr). *Indian J Med Res.* 2020 Sep;152(3):263-272. doi: 10.4103/ijmr.IJMR_1090_18. PMID: 33107486; PMCID: PMC7881811.
3. Majumdar S, Mohanan Nair KK, Namboodiri N, Valaparambil A. Response to atrial overdrive pacing during narrow QRS tachycardia. What is the mechanism? *Indian Pacing Electrophysiol J.* 2020 Sep-Oct;20(5):203-205. doi: 10.1016/j.ipej.2020.07.002. Epub 2020 Jul 28. PMID: 32730799; PMCID: PMC7517583.

4. **Nair KKM**, Valaparambil A, Sasidharan B, Ganapathi S, Gopalakrishnan A, Namboodiri N, Sivadasanpillai H. Immediate, early and mid-term outcomes following balloon mitral valvotomy in patients having severe rheumatic mitral stenosis with significant tricuspid regurgitation. *Indian J Thorac Cardiovasc Surg.* 2020 Sep;36(5):483-491. doi: 10.1007/s12055-020-01012-0. Epub 2020 Jul 27. PMID: 33061159; PMCID: PMC7525720.
5. **Mohan Nair KK**. Reply to Letter to the Editor - Narrow QRS tachycardia with AV response from 2:1 to 1:1. What is the mechanism? *Acta Cardiol.* 2020 Jul 21:1. doi: 10.1080/00015385.2020.1794407. Epub ahead of print. PMID: 32691686.
6. Raja DC, **Mohan Nair KK**, Badhwar N, Pandurangi UM. Supraventricular tachycardia with shifting atrial activation patterns caused by extrastimuli: What is the mechanism? *J Cardiovasc Electrophysiol.* 2020 Sep;31(9):2516-2518. doi: 10.1111/jce.14669. Epub 2020 Jul 16. PMID: 32656885.
7. **Mohan Nair KK**, Namboodiri N, Valaparambil A. AV nodal re-entrant tachycardia with eccentric atrial activation pattern. *Acta Cardiol.* 2020 Jul 15:1. doi: 10.1080/00015385.2020.1792105. Epub ahead of print. PMID: 32666890.
8. Behera DR, V K AK, K K NN, S S, **Nair KKM**, G S, T R K, Gopalakrishnan A, S H. Prognostic value of late gadolinium enhancement in cardiac MRI of non-ischemic dilated cardiomyopathy patients. *Indian Heart J.* 2020 Sep-Oct;72(5):362-368. doi: 10.1016/j.ihj.2020.06.011. Epub 2020 Jul 2. PMID: 33189195; PMCID: PMC7670245.
9. **Mohan Nair KK**, Namboodiri N, Valaparambil A. Interesting response of wide QRS tachycardia with LBBB morphology to atrial overdrive pacing: What is the mechanism? *Pacing Clin Electrophysiol.* 2020 Jul;43(7):754-755. doi: 10.1111/pace.13972. Epub 2020 Jun 11. PMID: 32496615.
10. **Nair KKM**, Namboodiri N, Paidi S, Balaguru S, Valaparambil A. Paradoxical increase of stimulus to atrium interval during para-Hisian pacing. What is the mechanism? *J Cardiovasc Electrophysiol.* 2020 May;31(5):1226-1228. doi: 10.1111/jce.14447. Epub 2020 Mar 25. PMID: 32173926.
11. **Nair KKM**, Namboodiri N, Valaparambil A. Wide and narrow QRS tachycardias: What is the mechanism? *Indian Heart J.* 2020 Mar-Apr;72(2):133-135. doi: 10.1016/j.ihj.2020.03.012. Epub 2020 Apr 6. PMID: 32534689; PMCID: PMC7296255.
12. Sukulal K, **Mohan Nair KK**, Sasidharan B, Valaparambil A, Ganapathi S, Sivasubramanian S, Sivadasanpillai H. Implication of d-dimer in rheumatic severe mitral stenosis - A tertiary centre study. *Indian Heart J.* 2020 Mar-Apr;72(2):101-106. doi: 10.1016/j.ihj.2020.04.002. Epub 2020 Apr 15. PMID: 32534681; PMCID: PMC7296235.
13. Ganapathi S, Jeemon P, Krishnasankar R, Kochumon R, Vineeth P, **Mohan Nair KK**, Valaparambil AK, Harikrishnan S. Early and long-term outcomes of decompensated heart failure patients in a tertiary-care centre in India. *ESC Heart Fail.* 2020 Apr;7(2):467-473. doi: 10.1002/ehf2.12600. Epub 2020 Feb 3. PMID: 32012491; PMCID: PMC7160472.
14. **Mohan Nair KK**, Namboodiri N, Valaparambil A. Syncope in a young woman. *BMJ.* 2020 Jan 23;368:l6877. doi: 10.1136/bmj.l6877. PMID: 31974258.
15. **Mohan Nair KK**, Namboodiri N, Abhilash SP, Prabhu M, Das D, Valaparambil A. Interesting response to ventricular overdrive pacing during regular narrow QRS tachycardia. What is the mechanism? *Indian Pacing Electrophysiol J.* 2020 Jan-Feb;20(1):39-40. doi: 10.1016/j.ipej.2019.12.003. Epub 2019 Dec 16. PMID: 31837397; PMCID: PMC6994411.
16. **Nair KKM**, Namboodiri N, Das D, Valaparambil A. Interesting case of dual loop tachycardia in a patient with WPW syndrome. *J Cardiovasc Electrophysiol.* 2020 Jan;31(1):236-237. doi: 10.1111/jce.14304. Epub 2019 Dec 15. PMID: 31808204.
17. **Mohan Nair KK**, Namboodiri N, Das D, Valaparambil A. Interesting case of 2:1 tachycardia to 1:1 tachycardia. *Acta Cardiol.* 2020 Dec;75(8):797-798. doi: 10.1080/00015385.2019.1677376. Epub 2019 Oct 16. PMID: 31617833.

1. **Mohanan Nair KK**, Namboodiri N, Das D, Valaparambil A. An interesting case of "trigeminal tachycardia". *J Cardiovasc Electrophysiol.* 2019 Dec;30(12):2981-2983. doi: 10.1111/jce.14212. Epub 2019 Oct 14. PMID: 31579985.
2. **Mohanan Nair KK**, Namboodiri N, Das D, Valaparambil A. Interesting mode of initiation of wide QRS tachycardia with LBBB morphology. What is the mechanism? *Pacing Clin Electrophysiol.* 2019 Nov;42(11):1486-1488. doi: 10.1111/pace.13812. Epub 2019 Oct 13. PMID: 31583726.
3. **Mohanan Nair KK**, Namboodiri N, Das D, Valaparambil A. Interesting response of regular narrow QRS tachycardia to atrial overdrive pacing. What is the mechanism? *Pacing Clin Electrophysiol.* 2019 Oct;42(10):1398-1399. doi: 10.1111/pace.13788. Epub 2019 Sep 5. PMID: 31430390.
4. **Nair KKM**, Namboodiri N, Das D, Valaparambil A. Interesting response of slow regular narrow QRS tachycardia to atrial extra stimulus. *J Cardiovasc Electrophysiol.* 2019 Oct;30(10):2115-2116. doi: 10.1111/jce.14101. Epub 2019 Aug 13. PMID: 31393034.
5. **Mohanan Nair KK**, Namboodiri N, Kevadiya H, Debasish D, Valaparambil A. Response of narrow QRS tachycardia in a patient with surgical closure of atrial septal defect to atrial overdrive pacing: What is the mechanism? *J Cardiovasc Electrophysiol.* 2019 Oct;30(10):2130-2133. doi: 10.1111/jce.14099. Epub 2019 Aug 11. PMID: 31379029.
6. **Mohanan Nair KK**, Namboodiri N, Das D, Valaparambil A. Interesting response of antidromic reentrant tachycardia to atrial extra stimulus. *J Cardiovasc Electrophysiol.* 2019 Sep;30(9):1699-1700. doi: 10.1111/jce.14059. Epub 2019 Jul 22. PMID: 31286613.
7. **Mohanan Nair KK**, Namboodiri N, Das D, Karunakaran S, Valaparambil A. Interesting response of narrow QRS tachycardia to early coupled ventricular extra stimulus. *J Cardiovasc Electrophysiol.* 2019 Oct;30(10):2108-2109. doi: 10.1111/jce.14061. Epub 2019 Jul 21. PMID: 31310374.
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1. **Nair KK**, Pillai HS, Thajudeen A, Krishnamoorthy KM, Sivasubramonian S, Namboodiri N, Sasidharan B, Ganapathy S, Varaparambil A, Titus T, Tharakan J. Immediate and long-term results following balloon mitral valvotomy in patients with atrial fibrillation. *Clin Cardiol*. 2012 Dec;35(12):E35-9. doi: 10.1002/clc.22068. Epub 2012 Nov 2. PMID: 23124930; PMCID: PMC6652338.
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2006

1. **Kumar MK**, Suresh MK, Dalus D. Macrophage activation syndrome. *J Assoc Physicians India.* 2006 Mar;54:238-40. PMID: 16800352.

LIST OF BOOK CHAPTERS

1. **Krishna Kumar Mohanan Nair**, Mahesh Kumar S, Arun S R. Pathophysiology, Natural History and Hemodynamics of Mitral Stenosis. *Percutaneous Mitral Valvotomy. 2nd Edition*, New Delhi, Jaypee Brothers Medical Publishers, 2018; 38 - 50.
2. Harikrishnan S, **Krishna Kumar Mohanan Nair**, Suji K. Inoue and Accura Balloons-The single balloon mitral Valvotomy Catheters. *Percutaneous Mitral Valvotomy. 2nd Edition*, New Delhi, Jaypee Brothers Medical Publishers, 2018; 212-224.
3. **Krishna Kumar Mohanan Nair**. Percutaneous Mitral Valvotomy in patients with Atrial fibrillation. *Percutaneous Mitral Valvotomy. 2nd Edition*, New Delhi, Jaypee Brothers Medical Publishers, 2018; 376-384.
4. Harikrishnan S, Sanjay G, **Krishna Kumar Mohanan Nair**. Percutaneous Balloon Valvuloplasty for Mitral Stenosis. *Cardiac Catheterization and Imaging (From Pediatrics to Geriatrics), 1st Edition*, New Delhi, Jaypee Brothers Medical Publishers, 2015; 198 - 215.
5. **Krishna Kumar Mohanan Nair**, Ajitkumar Valaparambil. Prosthetic Valves. *CSI Textbook of Cardiology – The Indian Perspective. 1st Edition*, New Delhi, Jaypee Brothers Medical Publishers, 2018; 591 – 598.
6. **Krishna Kumar Mohanan Nair**, Harikrishnan Sivadasanpillai. Atrial Fibrillation in Rheumatic Heart Disease. *Cardiological Society of India. Essentials of Postgraduate Cardiology. Chapter 16.* 115-11

INTERNATIONAL CONFERENCE PARTICIPATION

1. Comparison of Triple Lumen (Inoue) and Double lumen (Accura) Balloon Mitral Valvotomy Catheters with regard to Immediate Results, Complications and Midterm results. (Poster presentation in the European Society of Cardiology 2010 conference at Sweden)
2. Evaluation of RV functions by Tissue Doppler Imaging in patients after Repair of Tetralogy of Fallot.(Poster presentation in the EUROECHO conference 2010 at Denmark)
3. Balloon Mitral Valvotomy for Patients with Mitral Stenosis in Atrial Fibrillation - Immediate and Long-Term Results. (Poster presentation in the American College of Cardiology 60th Annual Scientific Session, April 2011, in New Orleans, Louisiana, USA)
4. Persistent pulmonary artery hypertension after Balloon Mitral Valvotomy (Poster presentation in the American College of Cardiology 61st Annual Scientific Session, March 2012, in Chicago, USA)

5. Prevalence and Risk Factors for Development of Atrioesophageal Fistula after Left Atrial Radiofrequency Catheter Ablation - A Nation Wide Survey (oral presentation at the European Cardiac Arrhythmia Society Annual Congress 2013 at Paris, France.)
6. Late clinical outcomes of post balloon mitral valvotomy patients who were categorized based on the absolute post procedural mitral valve area and percentage gain in valve area (Poster presentation in the European Society of Cardiology 2017 conference at Barcelona, Spain)
7. Catheter ablation of ventricular premature contractions of left ventricular summit origin. (Poster presentation in the Asia Pacific Heart Rhythm Society Scientific Session 2018 conference at Taiwan)
8. Invited national faculty at 12th Asia Pacific Heart Rhythm Society Scientific Session, 24 - 27 October 2019, Bangkok, Thailand.

NATIONAL CONFERENCE PARTICIPATION

1. A case of ASD difficult for device closure - oral presentation done in the GUCH 2008 held on Trivandrum, India (September 2008)
2. A case of VT ablation in a lady with ARVD – oral presentation done in the Chitra Rhythm Update VT Summit 2010 held on Trivandrum, India (18th and 10th of September 2010)
3. IABP - Trouble Shooting – Lecture Demo - oral presentation done in the “Back to Basics” - Short Course on basics of Cardiac Interventions (National PG teaching program in interventional Cardiology) organized by department of Cardiology, SCTIMST. (15 January 2017)
4. “PVC/VT from uncommon RV sites – series of 3 patients” - oral presentation done in the “VT symposium” - organized by CARE Hospital, Hyderabad (9 March 2019)
5. “Post Fontan Arrhythmias” - oral presentation done in the “Chitra Fontan Summit” organized by department of Cardiology, SCTIMST (10 March 2019)
6. “When the going gets tough” - oral presentation done in the monthly meeting organized by Trivandrum Interventional cardiology Club (21 March 2019)
7. “Interesting PSVT cases” web series on 12 June 2020 organized by Indian Heart Rhythm Society.
8. “Interesting cases of supraventricular tachycardia” web series on 18 July 2020 organized by Indian Heart Rhythm Society.
9. “Two Interesting cases of tachycardia” web series on 28 August 2020 organized by Indian Heart Rhythm Society.
10. “Interesting EP tracers of LBBB tachycardia” web series on 27 November 2020 organized by Indian Heart Rhythm Society.
11. Departmental faculty (Role - Faculty in charge of Hardware Kiosk & pacemaker simulator session on 19th & 20th January 2019) for the “Back to Basics” - Short Course on basics of Cardiac Interventions – 2019 organized by department of Cardiology, SCTIMST.
12. Attended a research methodology course – “Writing workshop – how to write a cardiovascular Research Paper” on 26th March 2019 organized by ICMR, PHFI and Circulation at New Delhi, India.
13. Participation as delegate in the Annual Conference of Interventional Cardiology Council of Kerala, ICCK 2019 on 10th -11th August 2019, at Leela Raviz, Kovalam, Trivandrum.

14. Participation as delegate in the 16th Annual Arrhythmia – Heart Failure Conference – 7th Live Cardiac Electrophysiology workshop conducted on 23rd and 24th August 2019 at the Department of Cardiac Electrophysiology & Pacing, The Madras Medical Mission, Chennai.
15. Invited national faculty at 11th annual conference of Indian Heart Rhythm Society, 15 - 17 November 2019, New Delhi, India.
16. Departmental faculty (Role - Faculty in charge of Hardware Kiosk & pacemaker simulator session on 1st & 2nd February 2020) for the “Back to Basics” - Short Course on basics of Cardiac Interventions – 2019 organized by department of Cardiology, SCTIMST.
17. Invited faculty for annual Cardiac Rhythm Council Conference of Cardiological Society of India - Chennai chapter 31 August 2020 to 5 September 2020 [digital summit]
18. Invited national faculty at the annual conference of Indian Heart Rhythm Society, 2 - 4 October 2020, Mumbai, India. [VIRTUAL IHRS 2020]
19. Invited faculty for 21st annual conference for Paediatric Cardiac Society of India - PCSI 2021, 16 - 24 October 2021. [Hybrid meeting]

DISSERTATIONS

1. Carotid artery intima media thickness in young patients with type 1 diabetes mellitus and its determinants. (Dissertation accepted by the University of Kerala for the conferment of the degree of M.D. (Internal Medicine), 2006.)
2. Comparison of Triple Lumen (Inoue) and Double lumen (Accura) Balloon Mitral Valvotomy Catheters with regard to Immediate Results, Complications and Midterm results. (Dissertation accepted by the SCTIMST, Trivandrum for the conferment of the degree of D.M. (Cardiology), 2009.)
3. Evaluation of RV functions by Tissue Doppler imaging in patients after Repair of Tetralogy of Fallot. (Dissertation accepted by the SCTIMST, Trivandrum for the conferment of the degree of D.M.(Cardiology), 2009.)
4. Radiofrequency Ablation of Post Myocardial Infarction Scar Ventricular Tachycardia Guided by Electroanatomical Mapping - Relevance of Very Late Potentials (Project accepted by the SCTIMST, Trivandrum for the conferment of the Post Doctoral Fellowship in Cardiac Electrophysiology, 2010)

ACHEIVEMENTS

1. **Original article got cited in international guidelines for the management of atrial fibrillation.**

Krishna Kumar Mohanan Nair, Mohammed Shurrab, Allan Skanes, Asaf Danon David Birnie, Carlos Morillo, Vijay Chauhan, Iqwal Mangat, Felix Ayala-Paredes, Jean Champagne, Isabelle Nault, Anthony Tang, Atul Verma, Ilan Lashevsky, Sheldon M. Singh, Eugene Crystal. **The Prevalence and Risk Factors for Atrio-esophageal Fistula after Percutaneous Radiofrequency Catheter Ablation for Atrial Fibrillation: The Canadian Experience.** JOURNAL OF INTERVENTIONAL CARDIAC ELECTROPHYSIOLOGY. 2014 Mar;39(2):139-44. <http://www.ncbi.nlm.nih.gov/m/pubmed/24317916/> **got cited in**

1. Calkins H, Hindricks G, Cappato R, Kim YH, Saad EB, Aguinaga L, Akar JG, Badhwar V, Brugada J, Camm J, Chen PS. **2017 HRS/EHRA/ECAS/APHRS/SOLAECE expert consensus statement on catheter and surgical ablation of atrial fibrillation.** Ep Europace. 2017 Sep 15;20(1):e1-60.

2. Kirchhof P, Benussi S, Kotecha D, Ahlsson A, Atar D, Casadei B, Castella M, Diener HC, Heidbuchel H, Hendriks J, Hindricks G. **2016 ESC Guidelines for the management of atrial fibrillation developed in collaboration with EACTS**. European heart journal. 2016 Aug 27;37(38):2893-962.

2. An international agency- 'Expertscape', that objectively ranks medical experts and institutions worldwide ranked the cardiac electrophysiology division of SCTIMST as the eighth leading center in the world in terms of expertise in AVNRT. I was also fortunate to be mentioned in the list.

PERSONAL PROFILE

Father Dr. Mohanan Nair. K
Mother Sudha Mohan (Late)
Wife Dr. Aswathy Hareendran
Daughter Shradha Krishna
Date of Birth 13th May 1979

REFERENCES

Prof. Dr. Harikrishnan S DM FACC,

Head of the Department,
Department of Cardiology,
SCTIMST, Trivandrum, India.

Email: drharikrishnan@outlook.com

Dr. Sheldon Singh MD FRCP (C),

Schulich Heart Centre, Sunnybrook Health Sciences Centre, Assistant professor, Department of medicine,
University of Toronto,
Sunnybrook Health Sciences Centre
2075 Bayview Ave., Toronto, ON
M4N 3M5

Phone: 416 480 6100 ext. 83659

Fax: 416-480-5707

Email: sheldon.singh@sunnybrook.ca

Dr. Syam Kumar Divakara Menon MD,

Associate Professor of Medicine. Faculty of Health Sciences,
McMaster University, Division of Cardiology, Electrophysiology and Pacing.
Arrhythmia services, Hamilton Health Sciences,
HGH General site, 237 Barton street East, Hamilton, ON,
Canada, Email: divakara@hhsc.ca
Tel: 2893397902.

I, Krishna Kumar M, hereby declare that the above said information are true and correct to the best of my knowledge and belief.