

DR. SUBRAHMANYA MURTI VELAMAKANNI

Consultant - Interventional Cardiology

Qualification

MBBS | MD (General Medicine) | DNB (General Medicine) | DM (Cardiology) | DrNB (Cardiology) | Fellowship in Interventional Cardiology | Fellowship in Structural heart interventions

Overview

Dr. Subrahmanya Murti Velamakanni is one of the Top Interventional Cardiologist with an exceptional academic background and advanced international training. He is currently practicing as a Consultant in Interventional Cardiology at Manipal Hospital, Sarjapur Road, Bengaluru. A testament to his clinical excellence and depth of knowledge, Dr. Velamakanni was awarded the prestigious Dr. H.S. Wasir Gold Medal for securing the highest national score in the DrNB Cardiology exit examination (April 2023 session). He completed his MBBS from the renowned Bangalore Medical College and Research Institute in 2015, followed by an MD in General Medicine from NEIGRIHMS in 2019 and subsequently obtained his DNB in General Medicine. Driven by a strong passion for cardiac care, he pursued specialization in Cardiology, completing his DM in Cardiology from Smt. NHL Municipal Medical College in 2022 and later achieving his DrNB in Cardiology. To further enhance his interventional expertise, Dr. Velamakanni completed a Post-Doctoral Fellowship in Interventional Cardiology at the Sri Sathya Sai Institute of Higher Medical Sciences,

Whitefield, affiliated with RGUHS. In pursuit of global standards in advanced cardiac care, he undertook an international Fellowship in Structural Heart Interventions at Aarhus University Hospital, Denmark, where he gained specialized experience in advanced procedures such as Transcatheter Aortic Valve Implantation (TAVI/TAVR). Dr. Velamakanni's clinical expertise is deeply rooted in Evidence-Based Medicine, with extensive experience in complex coronary interventions including high-risk percutaneous coronary interventions and bifurcation lesions. His areas of specialization also include structural heart interventions with a focused expertise in valvular heart disease and TAVI/TAVR procedures. He is highly proficient in advanced cardiac imaging and physiological assessment techniques such as IVUS, OCT, and FFR, and is skilled in device implantation procedures including permanent pacemakers, ICDs, and CRT devices. Known for his meticulous and patient-centred approach, Dr. Velamakanni emphasizes clear communication and patient education, ensuring individuals are well informed about their cardiac condition and treatment options. His clinical practice seamlessly integrates cutting-edge technology with compassionate, individualized care. In addition to his clinical work, Dr. Velamakanni is an active researcher and educator. He has authored multiple publications in reputed international journals, including the Journal of Cardiovascular Imaging, and has presented award-winning research at major national conferences such as APICON and HSICON. He is an active member of the Cardiological Society of India (CSI) and the European Association of Percutaneous Cardiovascular Interventions (EAPCI). Dr. Velamakanni is fluent in English, Hindi, Kannada, and Telugu. His qualifications include MBBS, MD (General Medicine), DNB (General Medicine), DM (Cardiology), DrNB (Cardiology), along with fellowships in Interventional Cardiology and Structural Heart Interventions (Denmark).

Fellowship & Membership

- European Association of Percutaneous Cardiovascular Interventions - ESC ID 981474
- European Society of Cardiology - Professional member · ESC ID 981474
- Cardiological Society of India - Life member · L-5238
- Indian Academy of Echocardiography - Life member · L-2523
- Association of Physicians of India - Life Member · L-19014

Field of Expertise

- Structural heart interventions - Transcatheter aortic valve implantation (TAVI/TAVR)
- Transcatheter mitral valve replacement (TMVR)
- Mitral and tricuspid edge to edge repair (M-TEER, T-TEER)
- PFO closure
- Left atrial appendage closure (LAAO): Complex coronary interventions - Bifurcation stenting
- Chronic total occlusions (CTO)
- Calcium modification techniques - rotablation
- Orbital atherectomy
- Intravascular lithotripsy (IVL)
- Intravascular imaging - Intravascular ultrasound (IVUS)
- Optical coherence tomography (OCT)
- Adult congenital interventions
- Clinical and preventive cardiology

Languages Spoken

- English
- Kannada
- Telugu

- Hindi

Awards & Achievements

- Dr HS Wasir Gold Medal for highest national score in DrNB Cardiology exit exam April 2023 session

Talks & Publications

- Bhattacharya PK, Velamakanni SM. Chapter 105: Adult Immunization - Current Scenario in India. In: Gupta P, editor. API Medicine Update. New Delhi: Evangel Publishing Pvt. Ltd; 2018. p. 622–7.
- Subrahmanya Murti, Bahl VK. Chapter 177. Recent trials in Cardiology. CSI Cardiology update 2024.
- Shah BR, Velamakanni SM, Patel A, Khadkikar G, Patel TM, Shah SC. Analysis of the 60/60 Sign and Other Right Ventricular Parameters by 2D Transthoracic Echocardiography as Adjuncts to Diagnosis of Acute Pulmonary Embolism. Cureus. 2021 Mar 10;13(3):e13800. doi: 10.7759/cureus.13800. PMID: 33842172; PMCID: PMC8033646.
- Bhattacharya PK, V SM, Jamil M, Barman B, Marak PS. Comparison of Systemic Inflammatory Response Syndrome, Sequential Organ Failure Assessment, and Quick Sequential Organ Failure Assessment Scores to predict Mortality in Sepsis. J Assoc Physicians India. 2022 Aug;70(8):11-12. doi: 10.5005/japi-11001-0062. PMID: 36082720.
- Bhattacharya PK, Murti VS, Jamil M, Barman B. Clinical profile and determinants of scrub typhus presenting with sepsis based on Sepsis-3 criteria. J Vector Borne Dis. 2020 Oct-Dec;57(4):307-313. doi: 10.4103/0972-9062.313963. PMID: 34856710.

- Satyanarayana G, Keisham N, Batra HS, Velamakanni SM, Khan M, Gupta S, Mahindra V. Evaluation of Serum Ceruloplasmin Levels as a Biomarker for Oxidative Stress in Patients With Diabetic Retinopathy. Cureus. 2021 Feb 2;13(2):e13070. doi: 10.7759/cureus.13070. PMID: 33680612; PMCID: PMC7932825.
- Velamakanni GS, Sharma A, Batra HS, Velamakanni SM, Khan M, Gupta S. Evaluation of Tear Film Urea Level as a Diagnostic Marker of Dry Eye Disease: A Pilot Study. Journal of Laboratory Physicians. 2021 Nov 23.
- Bhattacharya PK, Roy A, Jamil M, Barman B, Murti VS, Marak PR. Clinical profile and determinants of short-term outcome of acute kidney injury: A hospital-based prospective study from Northeastern India. J Lab Physicians. 2019 Jan-Mar;11(1):5- 10. doi: 10.4103/JLP.JLP_135_18. PMID: 30983795; PMCID: PMC6437823.
- Bhattacharya P, Talukdar K, Barman B, Jamil M, Phukan P, Mobing H, War G, Nonglait PL, Murti VS, Prithviraj K Sr, Sangma B. Clinical Spectrum and Medical Comorbidities in Tuberculosis: A Hospital-Based Study in Northeast India. Cureus. 2020 Sep 21;12(9):e10580. doi: 10.7759/cureus.10580. PMID: 33110716; PMCID: PMC7580495.
- Velamakanni SM, Patel A, Khadkikar G, Shah SC, Patel T. Tricuspid Atresia Type 1B With Persistent Left Superior Vena Cava in a Four-Month-Old Child: An Unusual Combination. Cureus. 2021 Apr 13;13(4):e14450. doi: 10.7759/cureus.14450. PMID: 34017650; PMCID: PMC8128351.
- Velamakanni SM, Khadkikar G, Panchal SS, Patel A, Shah BR. Unroofed Coronary Sinus in a Patient with Prior Surgical Closure of Secundum Atrial Septal Defect. Cureus. 2021 Nov 8;13(11):e19350. doi: 10.7759/cureus.19350. PMID: 34909311; PMCID: PMC8653927.
- Velamakanni SM, Khadkikar G, Patel A, Patel T. Unicommisural Unicuspid Aortic Valve with Very Severe Aortic Stenosis in a

17-Year-Old Female. Cardiovasc Imaging Asia. 2021 Jul;5(3):118-119. https://doi.org/10.22468/cvia.2021.00136.

- Khadkikar G, Velamakanni SM, Patel A, Shah SC, Patel TM. A Rare Case of an Unroofed Coronary Sinus with a Persistent Left Superior Vena Cava Diagnosed by Two-Dimensional Transthoracic Echocardiography. Cureus. 2021 Jan 31;13(1):e13041. doi: 10.7759/cureus.13041. PMID: 33680587; PMCID: PMC7925216.
- Patel A, Velamakanni SM, Parikh RM, Pandya S, Patel T. The Role of Echocardiography in Evaluation of Takayasu's Arteritis: A Report of Two Cases. Cureus. 2021 May 28;13(5):e15286. doi: 10.7759/cureus.15286. PMID: 34221751; PMCID: PMC8237925.
- Shah SC, Radadiya R, Patel A, Velamakanni SM, Patel T. Percutaneous Retrieval of Dislodged Chemo Port Catheter With Inaccessible Tips by a Simplified Technique. Cureus. 2022 Jan 28;14(1):e21692. doi: 10.7759/cureus.21692. PMID: 35237485; PMCID: PMC8882344.
- Sagar S, Ravikumar N, Kumar BS, Murti VS. Thiamine deficiency-related myocardial dysfunction: A hidden cause of refractory lactic acidosis and shock in severe diabetic ketoacidosis: A case report. Journal of Pediatric Critical Care. 2025 Nov 1;12(6):355-8.
- Bhattacharya PK, Jamil M, Khonglah Y, Roy A, Murti VS. A Rare Case of Pulmonary Lymphangitic Carcinomatosis in a Young Adult with Carcinoma Stomach. J Clin Diagn Res.2017 Aug;11(8):OD07-OD09. doi:10.7860/JCDR/2017/27352.10397. Epub 2017 Aug 1. PMID: 28969184; PMCID: PMC5620825.
- Gurmukhani S, Patel K, Tiwari P, Gahlan P, Mutha S, Murti VS, Shah S, Patel T. Doppler Echocardiography Detection of Post Aortic Valve Replacement Coronary Ostial Pinching. J Cardiovasc Imaging. 2020 Oct;28(4):298-299. doi:10.4250/jcvi.2020.0051. PMID: 33086445; PMCID:

PMC7572260.

- “Assessment of the Knowledge and Treatment Adherence in Patients with Type 2 Diabetes Mellitus and their Correlation with Glycemic Control Among Patients in Tertiary Care Hospital in Northeast India”. Presented at HSICON 2017, 26th Annual conference of the Hypertension Society of India, 17th-20th August 2017.
- “Incident cardiac arrhythmias in patients admitted to Intensive Care Units with COVID-19 in a tertiary care centre”.
- Presented at eAPICON 2021, Virtual, Annual Conference of the Association of Physicians of India, 4-7th March 2021.
- “Serum Ferritin and Magnesium as Prognostic Markers in Sepsis”. Presented at APICON 2018, 73rd Annual Conference of the Association of Physicians of India, 22nd-25th February 2018.
- “Analysis of the 60/60 sign and other right ventricular parameters by 2D transthoracic echocardiography as adjuncts to diagnosis of pulmonary embolism”. Presented at: 72nd Annual Conference of the Cardiological Society of India, CSICON-2020, Hybrid, 6-13th December 2020.