

DR. VIKRAM KUDUMULA

Senior Consultant - Interventional Paediatric Cardiology

Qualification

MBBS | DCh | MRCPCH(UK) | FRCPCH(UK) | CCT(Paediatrics, UK) | CCT(Paediatric Cardiology, UK)

Overview

Dr. Vikram Kudumula is a distinguished paediatric cardiologist in Vijayawada. He is currently practising as a Consultant – Paediatrics and Paediatric Cardiology at Manipal Hospital Vijayawada. With a clinical experience of more than 20 years and extensive international training in the United Kingdom. Dr. Kudumula is known for his expertise in diagnosing and managing complex heart conditions in children and ranked among the best paediatric cardiologists in Vijayawada. Dr. Vikram Kudumula completed his MBBS from N.T.R. University of Health Sciences, followed by a Diploma in Child Health (DCH). He later moved to the United Kingdom, where he undertook structured paediatric training and earned Membership of the Royal College of Paediatrics and Child Health (MRCPCH). He subsequently completed specialist training and was awarded the Certificate of Completion of Training (CCT) in Paediatrics with a special interest in cardiology by the Royal College of Paediatrics and Child Health. His work at renowned institutions involved caring for children with complex congenital heart disease, both in outpatient clinics and high-acuity cardiac intensive care environments. He has been involved in more than 600 congenital

cardiac outpatient consultations, evaluating and managing a wide range of structural and functional cardiac conditions in infants, children, and adolescents. A significant component of his clinical practice is interventional paediatric cardiology. Over the course of his training and clinical work, he has participated in a large number of diagnostic and therapeutic cardiac catheterisation procedures. These include device closures of patent ductus arteriosus (PDA) and atrial septal defects (ASD), balloon atrial septostomy, balloon valvuloplasty procedures, and stent implantation for conditions such as coarctation of the aorta and pulmonary artery stenosis. Dr. Kudumula is experienced in advanced cardiac imaging and diagnostics, including transthoracic echocardiography and transoesophageal echocardiography (TOE), which play a central role in diagnosing congenital heart defects and guiding interventional procedures. He has completed specialised training courses in echocardiography and cardiac morphology, including advanced training in three-dimensional echocardiography in Switzerland. In addition to echocardiography, he is skilled in interpreting ECGs, exercise stress testing, tilt table testing, and long-term rhythm monitoring. His expertise in catheter-based therapies and cardiac imaging allows children with structural heart disease to receive comprehensive cardiac care within a multidisciplinary hospital environment. His extensive training and international experience place him among the best paediatric cardiologists in Vijayawada for advanced congenital heart disease management. Dr. Kudumula is also actively engaged in academic medicine and clinical research. He has authored and co-authored several publications in reputed international journals, including studies on congenital heart interventions, pulmonary artery stenting, coronary anomalies, and paediatric cardiac imaging. Through his combined experience in clinical practice, research, and international training, Dr. Kudumula continues to contribute to the advancement of paediatric cardiac care. His expertise in interventional cardiology, congenital heart disease management, and cardiac imaging has established him

as one of the best paediatric cardiologists in Vijayawada for specialised paediatric cardiac care.

Field of Expertise

- Diagnostic and comprehensive management of complex paediatric congenital heart disease (CHD).
- Management of congenital heart disease, including transcatheter interventions.
- Diagnostic cardiac catheterisation and advanced haemodynamic assessment.
- Foetal echocardiography, antenatal cardiac counselling, and clinical management.
- Stabilisation and management of neonatal cardiac emergencies, including duct-dependent lesions.
- Management of acquired heart diseases, including Kawasaki disease (KD), infective endocarditis (IE), and rheumatic heart disease (RHD).
- Management of adults with congenital heart disease (ACHD).
- Management of paediatric heart failure and various cardiomyopathies.
- Evaluation and treatment of paediatric pulmonary hypertension.
- Paediatric cardiac intensive care management, including Extracorporeal Membrane Oxygenation (ECMO) support.

Languages Spoken

- Telugu
- English
- Hindi

Talks & Publications

- Transcatheter interventions in post Fontan patients - a 24 years single centre experience. Oral presentation in Paediatric Interventional Cardiac Symposium (PICS), 19-22 January 2013, Miami, USA.
- Transcatheter retrieval of cardiovascular foreign bodies - A 15-year single centre experience. Oral presentation in 6th World Congress of Paediatric Cardiology and Cardiac Surgery.17-22 February 2013, Capetown, South Africa.
- Referral pattern of neonates with persistent pulmonary hypertension for ECMO in United Kingdom: are we following the guidelines? RCPCH spring meeting on 21/04/2010.
- Pre-PICU management of status epilepticus; room for improvement' at the 11th RCPCH spring meeting in York on 27/03/2007.
- Increasing incidence of breast feeding malnutrition in neonates: new challenge for community care' 11th RCPCH spring meeting in York on 29/03/2007.
- Implantation and intermediate term follow up of the Bard Valeo "growth" stent in pulmonary artery stenosis. Congenital and Structural Interventions (CSI) meeting in Germany on 26-28/06/2014.
- Paediatric ASD closure in the UK; practice vs demographics? BCCA Annual Conference 20-21st November 2013.
- Transcatheter retrieval of cardiovascular foreign bodies- A 15-year single centre experience at congenital & structural interventions conference (CSI 2013), 27th -29th June 2013, Frankfurt, Germany.
- Off label use of the Amplatzer Duct Occluder II Additional Sizes (ADO II AS) device. congenital & structural interventions conference (CSI 2013), 27th -29th June 2013, Frankfurt,

Germany.

- Femoral vein occlusion in infants undergoing cardiac catheterisation pre-cavopulmonary shunt procedure. poster presentation in Association for European Paediatric and Congenital Cardiology (AEPC): 23rd to 26th May 2012, Turkey.
- Long- term outcome of ALCAPA. A single centre experience poster presentation in 45th Annual Meeting of the Association for European Paediatric Cardiology (AEPC), in 2011 in Granada and in British Congenital Cardiac Association (BCCA) meeting in Winchester on 17th and 18th November 2010.
- Acute coronary syndrome in adolescence: Advantages of co-location of paediatric and adult cardiac services' poster presentation in British Congenital Cardiac Association (BCCA) meeting in Winchester on 17th and 18th November 2010.
- Importance of intraoperative Trans Oesophageal Echocardiography in infants less than 10 Kg - poster presentation at 5th World congress of paediatric cardiology and cardiac surgery 2009 in Australia (21st -26th June 2009).
- Peri operative transoesophageal echo guidance in the arterial switch-high impact and safe - poster presentation at 5th World congress of paediatric cardiology and cardiac surgery 2009 in Australia (21st -26th June 2009).