

DR. DHANANJAY KUMAR

Consultant - Cardiology

Qualification

MBBS | MD (Medicine) | DM (Cardiology)

Overview

Dr. Dhananjay Kumar is a Consultant in the Department of Cardiology at Manipal Hospitals, Ranchi, and a highly respected Interventional Cardiologist and expert in Structural Heart procedures. Renowned across Bihar and Jharkhand, Dr. Kumar has pioneered numerous complex cardiac interventions in the region. His ground breaking contributions include the initiation of advanced procedures such as Artificial Heart (IMPELLA) assisted PCI (highest number of such cases in Eastern India), TEVAR in acute aortic dissection, TAVR/TAVI, TEER (transcutaneous edge to edge valve repair), zero-contrast and zero-metal angioplasty, Rota-ablation and Orbital Atherectomy for calcified lesions, and imaging-guided complex PCI. He has also established conduction system pacing and high-end CRT device implantation, including LOT CRT, as well as leadless pacemaker as routine practices. Dr. Kumar launched MASUM DHADKAN, a unique congenital cardiac disease program offering free device closures for ASD, VSD, and PDA, the first of its kind in a corporate hospital. Under his leadership, the program has achieved remarkable milestones, including the implantation of the largest possible ASD device, a feat accomplished in

only a few centres across India. Additionally, Dr. Kumar introduced mechanical circulatory support systems such as IMPELLA and ECMO for high-risk PCI, marking the first time these procedures were performed in Bihar and Jharkhand and establishing his centre as the only facility outside Kolkata in Eastern India to offer such advanced care. Among his many achievements, he performed the first MICRA AV dual-chamber leadless pacemaker implantation in Ranchi. His relentless efforts have revolutionised cardiac care in Jharkhand, reducing the need for patients to travel to metro cities for complex interventions. He is the best cardiologist in Ranchi. Recognised globally for his contributions, Dr. Kumar has received accolades from prestigious international platforms, including the CTO Club Japan (2022-2026), Asia PCR Singapore (2022-2023), Euro PCR Paris (2024-2026), and CRF TCT Washington, DC, USA (2024), CRF TCT San Francisco, USA (2025). His work has also been celebrated on esteemed Indian platforms such as the Cardiological Society of India (2019, 2022-2023), the National Interventional Council (2022-2025), Indo-Japanese CTO (2022-2026), and INDIA LIVE (2023-2026). He is Editor-in-Chief of Cardiological Society of India, Jharkhand Chapter. Due to his extensive experience in complex interventions, he is now a trainer and proctor for several advanced cardiac procedures, and trains more than 10 interventional cardiologists annually in these high-end techniques. Currently he serves as proctor for: IVUS imaging guided PCI, Physiological assessment of coronary lesion by FFR, IFR, etc, IMPELLA assisted high risk PCI, ROTA ABLATION assisted PCI, Zero contrast and zero metal PCI, ORBITAL Atherectomy assisted PCI, Leadless pacemaker (MICRA), CRT and conduction system pacing.

Languages Spoken

- Hindi
- English

Awards & Achievements

- Training on Percutaneous valve replacement (TAVI/TMVR/TTVR) and repair (M-TEER, T-TEER) under Dr. Abdul Rashid, University Medical Centre Astana, Kazakhstan
- Training on Advanced CTO PCI (2025) under Prof. (Dr.) Gerald Warner, University of Frankfurt, Germany.
- Advanced imaging training (2023) under Dr. Gary Minz (USA), Akiko Maehara (USA).
- Multiple publications in National (Indian Heart Journal) and International Journals.
- Faculty and Speaker in CTO club Japan (2022 2023 & 2024)
- Faculty and Speaker in Asia PCR, Singapore (2022, 2023)
- Faculty and Speaker EURO PCR, Paris (2024-2026)
- Faculty and Speaker CRF TCT Washington, DC, USA 2024
- Faculty and Speaker CRF TCT San Francisco, USA 2025
- Faculty and Speaker National Interventional Council (NIC) (2022-2026)