



## Dr Pradeep Kumar

MBBS, MD (Anaesthesia), FNB (Cardiac Anaesthesia) 17+ Years Experience

Senior Consultant & Clinical Lead - Anaesthesia and Intensive Care, Heart and Lung Transplantation & MCS

### Hospitals

Apollo Hospitals, Greams Road, Chennai ,

Doctor's Working  
Weekdays  
Mon - Sat

Doctor's Working  
Hours  
10:00 - 16:00

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## Overview

Dr. Pradeep Kumar is a distinguished expert in **Anaesthesia & Intensive Care, Heart & Lung Transplantation, and Mechanical Circulatory Support (MCS)**, bringing over 17+ years of specialized experience to the field. Trained at GB Pant Hospital, Maulana Azad Medical College, New Delhi, he has extensive expertise in **pediatric and adult cardiac surgeries, including complex congenital procedures, CABG, valve, and arch surgeries, along with proficiency in transesophageal echocardiography.**

Dr. Pradeep has been instrumental in establishing leading heart and lung transplant, LVAD, and ECMO programs across major Indian cities, including Chennai, Bangalore, Mumbai, Delhi, and Hyderabad. He has managed over **380+ heart and lung transplants, 30+ LVAD/BIVAD cases, and 300+ ECMO procedures. His experience spans managing heart failure, end-stage lung disease, and transplant ICUs.** He has also developed India-specific protocols for heart and lung transplants, VADs, ECMO, marginal donor optimization, and immunosuppression.

He has further enriched his expertise through observerships at Toronto General Hospital, Toronto, Canada and Temple University Hospital, Philadelphia, USA focusing on heart and lung transplantation, VADs, TAVI, and ex-vivo lung perfusion systems (EVLP).

# Experience

With over **16 years of experience** in Anaesthesia and Intensive Care, **Dr Pradeep Kumar** began with a **3-year residency in Anaesthesiology**, followed by a **3-year fellowship in Cardiac Anaesthesia**. This was succeeded by roles as **Assistant Consultant (1 year)** and **Associate Consultant (2+ years)** in cardiothoracic anaesthesia. The consultant-level experience spans more than **7 years**, including specialized roles in **Cardiothoracic Transplant Anaesthesia & Intensive Care**, and later he elevated to **Director-level positions** overseeing Anaesthesia, CVTS, Transplant, and MCS services for **over 3 years**. Since late 2022, continues to serve as a **Senior Visiting Consultant** in Heart and Lung Transplant Anaesthesia and Critical Care.

# Membership

- Permanently registered with:
  - Delhi Medical Council
  - Tamil Nadu Medical Council
  - Karnataka Medical Council (KMC), Bangalore
  - Haryana Medical Council
- Member of:
  - Indian Society of Anaesthesia (ISA)
  - Indian Association of Cardiac Anaesthesia (IACTA)
  - International Society for Heart and Lung Transplantation (ISHLT)
  - Indian Society for Heart and Lung Transplantation (INSHLT)
  - Society for Heart Failure and Transplantation (SFHFT)

# Research and Publication

- Shah U, Rahulan V, Kumar P, Dutta P, Attawar S. *Immunosuppression in lung transplantation: Changing perspectives*. Indian J Transplant. 2021;15:157?65.
- Rahulan V, Shah U, Yadav P, et al. *Challenges, experiences, and postoperative outcomes in setting up first successful lung transplant unit in India*. Lung India. 2021;38:216–22.
- Shah UB, Kumar P, Rahulan V, et al. *Challenges of lung transplantation in India*. Indian J Thorac Cardiovasc Surg. 2021. doi:10.1007/s12055-021-01170-9

- Sharma A, Kumar S, Dutta P, et al. *Extracorporeal support for donation after cardiac death: a new avatar of ECMO*. Indian J Thorac Cardiovasc Surg. 2017;33:316–321.
- Shah U, Kumar P, Rahulan V, et al. *Combining Plasmapheresis with Renal Replacement Therapy: Answer to Hyperammonemia Post Lung Transplantation?* J Heart Lung Transplant. 2021;40(4):S313–S314.
- Shah U, Rahulan V, Kumar P, et al. *Mycobacteria Tales Post Lung Transplantation: An Indian Experience*. J Heart Lung Transplant. 2021;40(4):S340–S341.
- Shah U, Rahulan V, Kumar P, et al. *Impact of COVID Pandemic on Lung Transplantation Program: An Indian Experience*. J Heart Lung Transplant. 2021;40(4):S315.
- John PA, Kumar S, Shah U, et al. *Retailoring Donor-Recipient Size Mismatch in Double Lung Transplantation: Non-Anatomical Pulmonary Resections*. J Heart Lung Transplant. 2021;40(4):S371–S372.
- John PA, Nagaraj M, Shah U, et al. *Titanicking the Clamshell: Anchoring the Bilateral Thoracosternotomy Incision with Titanium Plates, Screws and Sternal Band*. J Heart Lung Transplant. 2021;40(4):S371.
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- Kumar P, Jindal A, Dutta P, et al. *Anaesthetic challenges in pulmonary alveolar microlithiasis treated with bilateral lung transplantation*. Ann Card Anaesth. 2021;24(1):79–82.
- Rahulan V, Sharanya K, Prem P, Pradeep K. *ECMO system exchanges in SARS-CoV-2 patients awaiting lung transplantation: Largest case series from India*. ESOT 2021.
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- Rajesh S, Somasekharam P, Dinesh, Kumar P. *Anaesthetic management of cesarean section in a patient with acoustic neuroma*. J Anaesthesiol Clin Pharmacol. 2010;26:399–400.
- Tempe DK, Kiro KL, Satyarthi S, et al. *Evaluation of inferior vena cava cannulae placement by TEE and its impact on hepatic dysfunction*. Perfusion. 2016;31(6):482–8.
- Shah U, Rahulan V, Ravipati S, et al. *Clinico-Radiological-Pathologic Profile and Outcomes of Lung Transplant in Post-COVID-19 Phenotype*. Transplant Proc. 2022.  
doi:10.1016/j.transproceed.2022.03.007

## Frequently Asked Questions