



**Centre of Excellence in
HEART - LUNG Transplantation &
Mechanical Circulation**

“A New Heart, Fresh Breath, A Second Chance.”



KNOW MORE 

HEART TRANSPLANTATION

- + Dilated Cardiomyopathy
- + Ischemic Cardiomyopathy
- + End-stage Congenital Heart Disease
- + Refractory Heart Failure



LUNG TRANSPLANTATION

- + Interstitial Lung Disease (ILD)
- + Pulmonary Fibrosis
- + Chronic Obstructive Pulmonary Disease (COPD)
- + Cystic Fibrosis
- + Primary Pulmonary Hypertension



HEART - LUNG TRANSPLANTATION

- + Eisenmenger's Syndrome
- + Combined Cardiopulmonary Failure
- + Severe Congenital Heart and Lung Disease
- + Primary Pulmonary Hypertension



MECHANICAL CIRCULATION SUPPORT

Ventricular Assist Devices (VADs)

Mechanical circulatory devices that assist the heart when it's too weak to pump blood effectively.

TYPES of VADs

- + LVAD (Left Ventricular Assist Device)
- + RVAD (Right Ventricular Assist Device)
- + BiVAD (Biventricular Support)



ECMO (Extracorporeal Membrane Oxygenation)

A life-saving technology for patients with severe heart or lung failure.

Applications

- + H1N1 & viral pneumonia
- + ARDS of any etiology
- + High risk percutaneous intervention
- + Cardiogenic shock
- + Post-cardiotomy support
- + Bridge to Lung/Heart Transplantation



Impella 2.5, Impella 5, Impella RP.

OUR TEAM



Dr. G. Pradeep

MBBS, DrNB (Cardiothoracic and Vascular Surgery),
Consultant Lead Surgeon - Heart and Lung Transplantation & Mechanical Circulation (ECMO)



Dr. S. Kirubanand

MBBS, MD (Anaesthesiology), DM (CTVA)
Consultant Lead Cardiac Anaesthesiologist
Fellowship in Heart and Lung Transplant Anaesthesia & Critical Care (Toronto, Canada)

World-Class Facilities at Royal Care Hospitals

- + Advanced Hybrid Cath Labs and Modular Cardiac OT
- + Dedicated 24-bed Cardiac ICU with real-time hemodynamic monitoring
- + ECMO-equipped mobile ambulance and rapid response team
- + 24/7 Emergency and Trauma Unit
- + In-house Rehabilitation Centre with respiratory and physical therapy
- + Transplant Legal & Coordination Cell
- + Long-distance Teleconsultation and Remote Monitoring
- + Team of highly trained Perfusionists and ECMO specialists

Royal Care Super Speciality Hospitals

1/520, Neelambur, Sullur Taluk, Coimbatore-641062