

DPU

**Dr. D.Y. Patil Medical College,
Hospital & Research Centre,
Pimpri, Pune**

DEPARTMENT OF CARDIOVASCULAR AND THORACIC SURGERY



“Strengthened by skills, powered by
teamwork, driven by values”

www.medical.dpu.edu.in

VISION:

Comprehensive, Compassionate and Specialized Care to patients requiring cardiovascular and thoracic surgeries.

TEAM OF EXPERTS:

CARDIOVASCULAR AND THORACIC SURGERY



Dr. Anurag Garg
Professor and HOD
MBBS MS DNB(Surg)
MCh (CVTS) FIACS



Dr. Ashish Dolas
Associate Prof.
MBBS MS MCh (CVTS)



Dr. Ranjit Pawar
Assistant Prof.
MBBS MS MCh (CVTS)



Dr Ankit Maheshwari
MBBS MS MCh (CVTS)
Assistant Prof.
CARDIAC ANAESTHESIOLOGY



Dr. Vipul Sharma
Professor and HOD
MBBS MD DNB Fellowship
Cardiac anaesthesia



Dr. Shahbaz Hasnain
Professor
MBBS MD Fellowship
Cardiac anaesthesia

HIGHLIGHTS

- More than 1500 successful overall surgeries carried out since inception of this department in 2017
- More than 1200 Open Heart Surgeries
- 550 Bypass surgeries performed for Coronary Artery disease (both On pump & off Pump) so far
- Approx 350 Heart Valve Repair/ Replacement's done so far
- Cured >300 Children suffering from congenital cardiac diseases (heart defects from birth)
- First Successful Combined Heat Lung & Dual Lung Transplant of Western Maharashtra region
- Centre of Excellence for Complex Aortic Surgeries including aortic aneurysm/ dissection
- Thoracic Surgeries for benign lung conditions

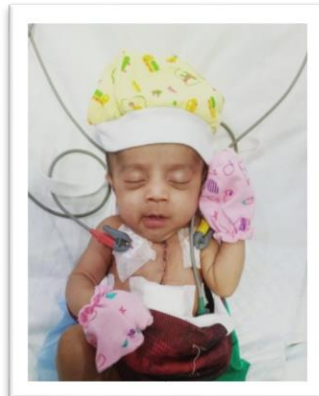
OUR HAPPY PATIENTS

Photos shown with due consent

MISSION MUSKAN

Free heart surgeries for Children from economically weaker sections of society with partial financial

assistance from Rotary club of Pune Pristine



THORACIC ORGAN TRANSPLANTATION SERVICES

Successfully providing Heart & Lung transplant service under mentorship of renowned thoracic transplant

surgeon Dr Sandeep Attawar, Chair & Director of Thoracic organ transplants KIMS Hospitals, Hyderabad

- Heart Transplant- 2
- Heart Lung transplant- 2
- Lung transplant- 2



THE TIMES OF INDIA

Heart transplant surgery benefits farmer in Pune

Umesh Isalkar
@timesgroup.com

Pune: A team of doctors at DY Patil Medical College and Hospital successfully performed a heart transplant surgery on Monday, making it only the third health hub in Pune to have achieved the feat. The hospital's chief executive officer, Amarjit Singh, said, "The transplant recipient is doing well."

The recipient was a farmer (33) suffering from cardiomyopathy — an end-stage heart disease — for the past few months. The donor, a 46-year-old man, was admitted to Sahyadri Hospital, Ahmednagar branch, after he suffered a severe brain attack (stroke) last week.

The donor was declared brain-dead two days ago. His family members consented to donate his vital organs

that benefitted five needy patients — four in Pune and one in Secunderabad (Telangana) on Monday.

"Doctors at KIMS hospital in Secunderabad came down to Pune, retrieved the lungs, and transported it back to their hospital in a chartered flight on Monday. The transplant of both lungs

NEW LEASE OF LIFE

was successfully done at KIMS hospital the same day," said Aarti Gokhale, the transplant coordinator of the Zonal Transplant Coordination Committee (ZTCC). The donor's liver and kidney benefitted two patients at Sahyadri Hospital, Ahmednagar branch, and another kidney benefitted a patient enrolled for renal transplant with Sahyadri Hospital, Deccan branch.



Woman undergoes rare dual transplant

Piyush Bhusari
@timesgroup.com

Pune: Doctors from a private hospital in Pimpri last month performed a heart and lung transplant on a 46-year-old woman suffering from scleroderma, a rare autoimmune disease that can cause skin and other parts of the body to harden.

The condition mainly affects women and commonly occurs between the ages of 30 and 50.

HEART-LUNG OP

Doctors said the woman has now been discharged and her condition is stable.

Dr MS Barthwal, head of respiratory medicine at the Dr DY Patil Medical College Hospital and Research Centre said the woman would suffer multiple episodes of what's known as Raynaud's phenomenon, the narrowing of smaller arteries sending

blood to the skin, during the winter. Dr Barthwal said: "She eventually developed Scleroderma-related interstitial lung disease which was diagnosed in 2016, followed by severe pulmonary hypertension the next year. She had multiple worsening episodes of lung disease for which she needed multiple admissions. So we enrolled her for a combined heart-lung transplant."

Dr Sandeep Attawar, programme director and chair, Institute of Heart and Lung Transplantation, KIMS, Hyderabad, said: "On October 19, the family of a 27-year-old brain-dead patient consented to donate her organs. The woman then underwent the heart-lung transplant in the early hours of October 20."

Dr Amrugh Garg, department head of cardiac surgery at Dr DY Patil Medical College, said the patient is now recovering well. "She will continue her rehabilitation at home," Dr Garg said.

CME on Heart Lung Transplantation

Benefited More than 150 Doctors from PCMC & Pune region



WORLD CLASS INFRASTRUCTURE



STATE OF THE ART OPERATION THEATRES



OUT PATIENT DEPARTMENT



CARDIAC RECOVERY ROOM



INTENSIVE CARE UNIT



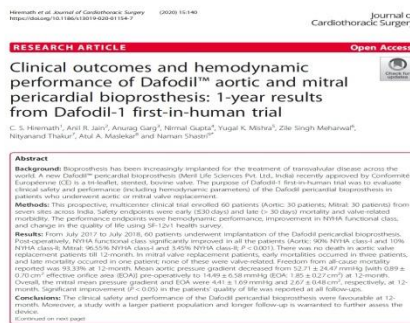
HEART LUNG TRANSPLANT ICU

ACADEMIC PROFILE COURSES OFFERED

- M Ch in Cardio Vascular and thoracic Surgery (CVTS)
- Fellowship in Cardiac Anesthesiology
- National Multicentre Clinical Trial
- Dafodil, A prospective, multi-center, single arm clinical study to evaluate safety and performance of the daffodil pericardial bioprosthesis in patients who require replacement of their natural or prosthetic aortic or mitral valve.

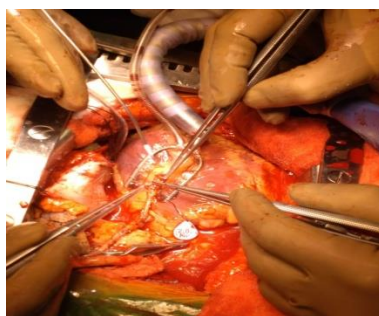
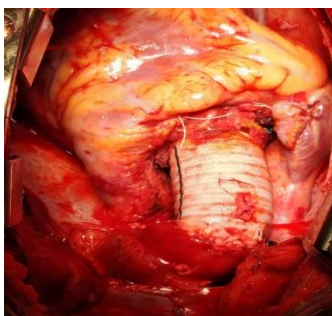
International Publications & Presentations

@ The European Association of Cardiothoracic Surgery Lisbon, Portugal - Principal investigator for Dafodil Valve



INTERESTING CASES

- Aortic surgery
- Beating Heart Coronary Bypass
- Surgery on a heart of size smaller than your finger
- Valve replacement in progress
- Removal of palm size cardiac Tumor



SERVICES OFFERED

- Coronary artery bypass surgery (Off pump and On pump)
- Minimal invasive cardiac surgery
- Valve replacement and repair
- Pediatric cardiac surgery (Surgery for cardiac birth defects)
- ASD, VSD
- TOF, TAPVC, Arterial switch surgery, Fontan operation
- Transplant services-
- Heart transplant
- Combined Heart-Lung
- Lung transplant
- ECMO (Extra Corporeal life support system)
- Ventricular assist devices (LVAD)
- Thoracic and Vascular surgery
- Complex Aortic Surgeries
- Redo cardiac surgery

ADVANCED TECHNOLOGIES AVAILABLE

- Cell saver to minimize blood loss and need for its transfusion
- Minimal invasive cardiac surgery
- ECMO (Extracorporeal membrane oxygenation) Life Support System
- Nitric oxide therapy for severe pulmonary hypertension management
- TAVI (Trans catheter aortic valve implantation) by apical approach

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