

# DR MANOJ DURAIRAJ

Adult and Paediatric Heart Surgeon, Heart Transplant Surgeon



MS (AFMC, Gold Medal, Poona University), MCh. (AIIMS, New Delhi), FACC., D.Litt. Advanced Fellowship in Cardiac Surgery (University of Melbourne)

Programme Director,

Department of Heart and Lung Transplantation. Sahyadri Hospitals, Pune.

Director,

Marian Cardiac Centre and Research Foundation, Pune.



## SPECIALITY

- Adult and Paediatric Cardiac Surgery
- Heart Transplantation and Mechanical Circulatory Support.



## PIONEERING CARDIAC SURGEON

- Dr Manoj and his team have successfully performed the **First Heart Transplant in Pune**. He has pioneered the heart transplant programme in Pune by establishing 2 centres for Heart Transplantation. As the Programme Director of the Department of Heart Transplantation at Sahyadri Hospital he was associated with Dr Anand Sancheti at New Era Hospital, to perform the First Heart Transplant in Nagpur in June 2019.
- Dr Manoj and his team performed the **first successful left ventricular assist device in Pune**.
- Dr Manoj is the **first Indian surgeon**, to have performed **paediatric cardiac surgery in Nigeria** (as a part of a National award winning initiative). He was given the Governor of Lagos Award for conducting the First Paediatric heart surgery in Lagos.
- He also led a team to Sanaa, Yemen and performed the **first off pump coronary surgery in Al Thawara government hospital, Yemen**.



## AWARDS AND RECOGNITIONS

- Dr Durairaj has recently been awarded the highest medal by the Vatican City (non-clergy), for professional excellence in the field of heart transplantation and for his charitable work. This award is called "**Pro Ecclesia et Pontifice**" (2021) and was initiated in 1888.
- Dr Manoj was elected **Fellow of the American College of Cardiology**, 2018. He is the only cardiac surgeon in Pune to receive this honour.
- He was given the **Governor of Lagos Award** for conducting the **First Paediatric heart surgery in Lagos State**, Nigeria. July 2011.
- Dr Manoj was awarded the **Dr BB Dixit** award from B J Medical College in February 2018 by the **Research Society of B J Medical College** at their Annual Meeting for his pioneering work in the field of heart transplant in Pune.
- For his charitable work and for starting the heart transplant programme in Pune, the **Mayor of Pune awarded** and felicitated Dr Manoj as an "**Outstanding citizen of Pune**" during the Republic Day Awards 2018 of the Pune Municipal Corporation.
- Dr Manoj has been appointed by **Government of Gujarat** as a **Heart Transplant inspector** for giving licences to hospitals for conduct of heart transplantation.
- He received the **Hridayamitra Award** at the hands of the Deputy Charity Commissioner of Pune, for supporting Heart Transplant surgery in Children and helping over 350 children undergo open heart surgery. Dr Durairaj runs a charitable trust which has helped hundreds of children undergo free open heart surgery including heart transplant surgery.
- He is also recipient of **Vocational Service Award 2021 by Rotary Club of Poona** at the hands of the Late Mr Deepak Londhe President of the Club.

- Dr Manoj Durairaj has been conferred the **D.Litt. (Honorary Doctorate Degree)** from the Vikramshila Hindi Vidyapeeth, August 2021.
- Dr Durairaj was the **Chief Guest for the 152nd Annual Prize Day** in 2019 at his Alma Mater **St Vincent's High School**, which was a very proud moment for him as an Ex Vincentian.



## LEADERSHIP POSITIONS

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1. Director of Cardiac Surgery, Ruby Hall Clinic, Pune (2009-2018)
2. Director of Cardiac Surgery, Rao Nursing Home, Pune. (2012- to date)
3. Director, Marian Cardiac Centre and Research Foundation.(2006 -to date)
4. Executive Committee Member of the Indian Association of Cardiothoracic Surgeons (2017-2020).
5. Executive Committee Member of Indian Society of Heart and Lung Transplantation (2018-2021).
6. Programme Director, Heart and Lung Transplantation and Mechanical Circulatory Support, Sahyadri Hospitals (2018- to date).
7. Executive Committee Member of the Society of Heart Failure and Transplantation (2019-to date).
8. Founder Editor, The Revival, The Newsletter of the Society for Heart Failure and Transplantation.
9. President of Poona YMCA, 2021-2022



## ORGANISATION OF NATIONAL AND INTERNATIONAL CONFERENCES

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1. **ORGANISING SECRETARY** – INDIAN ASSOCIATION OF CARDIOTHORACIC AND VASCULAR SURGEONS MID TERM NATIONAL MEETING – AUGUST 2017, PUNE.
2. **ORGANISING SECRETARY** – FIRST INTERNATIONAL WEBINAR SERIES ON LUNG TRANSPLANTATION CONDUCTED BY IACTS, UNIVERSITY OF TEXAS SOUTHWESTERN MEDICAL CENTRE, INSHLT AND SFHFT- MAY 2020.
3. **ORGANISING SECRETARY** – SFHFT MID TERM MEETING 2020 – MECHANICAL CIRCULATORY SUPPORT – OCTOBER 2020.
4. **ORGANISING SECRETARY** – ISOT NATIONAL MEETING, HEART AND LUNG TRANSPLANT, OCTOBER 2021.
5. **MODERATOR** – HEART TRANSPLANT WORKSHOP- INSHLT ANNUAL MEETING - NOVEMBER 2021.



## INTERNATIONAL RESEARCH PROJECTS

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- **Principal Investigator in the BACE study for Pune city.** A multinational clinical outcome study on a novel device BACE for the treatment of Functional Mitral Regurgitation off pump technique.



## DISTINGUISHED MEMBER

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1. Fellow of the American College of Cardiology
2. Life Member of the Indian Society of Heart and Lung Transplantation
3. Life Member of Society for Heart Failure and Transplantation.
4. Life Member of the Indian Association of Cardiothoracic Surgeons.
5. Life Member of the Indian Medical Association.



## PUBLICATIONS IN PEER REVIEWED JOURNALS

1. History of the internal thoracic artery and alternative arterial grafting. **Durairaj M and Buxton B. Book chapter. Arterial Grafts for Coronary Artery Bypass Surgery: A Textbook for Cardiovascular Clinicians and Researchers. Editor : Prof Guo-Wei He. Second edition. 2006** Publisher: Springer Verlag Hongkong Ltd.
2. Diaphragmatic fenestration for resistant pleural effusions after univentricular repair. **Durairaj M**, Sharma R, Choudhary SK et al. Ann Thorac. Surg. 2002 Sep;74 (3): 931-2.
3. Etiopathogenesis of aortic aneurysms. Bhan A, **Durairaj M**, Ray R et al. Ind J Thorac Cardiovasc Surg,2002;18:160-164
4. Factors affecting patency of internal thoracic artery grafts : clinical and angiographic study of 2060 symptomatic patients operated between 1982-2002. Shah PJ, **Durairaj M**, Gordon I, Fuller J, Rosalion A, Seevanayagam S, Tatoulis J, Buxton BF. European Journal of Cardiothoracic Surgery 2004; Jul 26(1):118-24.
5. Early and midterm results with the Ross procedure: a study of the first 31 cases. Matalanis G, **Durairaj M**, Shah P, Buxton B. Asian Cardiovasc Thorac Ann. 2004 Dec;12(4):336-40.
6. Patency of the radial artery graft : Angiographic study in 209 symptomatic patients operated between 1995 and 2002 and review of the current literature. Shah P, Seevanayagam S, Rosalion A, Gordon I, Fuller J, Raman JS, **Durairaj M** and Buxton B. Heart, Lung and Circulation 2004;Dec;13(4):379-383.
7. Surgical repair of a syphilitic aneurysm of the distal arch and the descending aorta. Umesue M, **Durairaj M**, Matalanis G, Parsons S. Asian Cardiovasc Thorac Ann. 2006 Apr;14(2):150-2.
8. A hybrid technique of aortic arch branch transposition and antegrade stent graft deployment for complete arch repair without cardiopulmonary bypass. Matalanis G, **Durairaj M**, Brooks M. Eur J Cardiothorac Surg. 2006 Apr;29(4):611-2.
9. Do angiographic results from symptom-directed studies reflect true graft patency? Buxton BF, **Durairaj M**, Hare DL, Gordon I, Moten S, Orford V, Seevanayagam S. Ann Thorac Surg. 2005 Sep;80(3):896-900; discussion 900-1.
10. Predictors of Survival and the Effect of Age Following Mitral Valve Repair: A Long-Term Follow-up. Kearney LG, **Durairaj M**, Buxton B, Matalanis G, Farouque O, Wai B, Srivastava P.M. Heart Lung and Circulation. 2007 Jan;Vol.16:S177.
11. Valvular and Surgical Predictors of Durable Mitral Valve Repair: A Prospective Analysis. Kearney LG, **Durairaj M**, Buxton B, Matalanis G, Farouque O, Wai B, Srivastava P.M. Heart Lung and Circulation. 2007 Jan;Vol.16:S177-S178.
12. Challenges in setting up a heart transplant unit in India. January 2018. International Journal of Cardiovascular Surgery. **Manoj Durairaj**.
13. To assess the association of hypertension with anthropometric indices in males. September 2016. Journal of Hypertension. Vishal Patil, Mansi Patil, **Manoj Durairaj**.
14. Evaluating the health related quality of life of hypertensive patients. September 2016. Journal of Hypertension. Mansi Patil, **Manoj Durairaj**, Syed Mohammed Tauseef.
15. Survival after myocardial revascularisation for ischemic cardiomyopathy – a prospective ten- year follow study. January 2004. Indian Journal of Thoracic and Cardiovascular Surgery. **Manoj Durairaj**, Pratiksha Shah, Brian F Buxton.
16. A Survey of the Practices of Storage and Transport for Donor Heart in India. SP Singh, Milind Hote, Sandeep Seth, **Manoj Durairaj**, Anvay Mulay, K G Suresh Rao, Kewal Krishan, Julius Punnen. Journal of the Practice of Cardiovascular Sciences; Volume 6: Issue 3 September-December 2020.
17. Reversible Ischemia in Heart Failure – An under – recognised Problem. Review Article. Cardiology Today. Vol. XXIV No. 5, September- October 2020. **Manoj Durairaj**.



## DISTINCTIONS AND AWARDS DURING UNDERGRADUATION

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1. **First position** in University of Pune - **M.S.** (General Surgery).
2. **First position** in University (Annamalai) -Surgery (Final M.B.B.S.)
3. **Third position** in University (Annamalai)- Medicine (Final MBBS)
4. **Second position** in University (Annamalai)- Ophthalmology
5. **Distinctions** in Anatomy, Physiology, Biochemistry, Pathology and Ophthalmology.
6. **Prof. Nanjunda Endowment Prize for Surgery**, MBBS 1988 Batch - Annamalai University.



## AWARDS AT STATE AND NATIONAL LEVEL DURING UNDERGRADUATION

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1. **First Prize** in **Tamil Nadu State** for **Dissertation** titled “**Varicosity of Veins**”. This Dissertation competition was conducted at the State Level by the Association of Anatomists of Tamil Nadu (1990).
2. **Second position** at the **National Level** in the **Paediatric Quiz Competition** conducted by the **Indian Academy of Pediatricians** at their National Conference in Calcutta (1993). Entry into the National Level followed winning the Divisional, Regional and Zonal rounds (in which the states of Tamil Nadu, Karnataka and Kerala participated).



## MESSAGE TO THE GENERAL BODY

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I promise to:

- Use my penchant for forging long lasting, positive, relationships and contribute for greater networking within the IACTS and strengthening our esteemed body.
- Provide out of the box constructive and innovative ideas for growth of the IACTS.
- Utilize my track record of setting up, running and delivering a team-oriented approach in creative decision making.
- Future proofing our younger talent. Focus will be on nurturing and mentoring junior and senior cardiac surgeons in the field of heart failure and transplant surgery. Early identification of younger generation surgeons with leadership potential and groom the talent.
- Have a Research oriented approach. Will use the experience of being the Founder Editor of The Revival, Newsletter of the Society for Heart Failure and Transplantation. Making new age academics approachable and easily accessible will be a goal.
- Use my organizational skills in conducting national and international conferences to network and partner with allied national and international medical organizations, industry and governmental agencies and project the IACTS as the key decision-making body for cardiac sciences in the country.
- Make cardiac surgery once again become an attractive career option for medical graduates.
- Have a vision of providing visibility, viability, and accountability to the IACTS.