

CURRICULUM VITAE

Name & Designation : **DR. C. N. MANJUNATH.**MD.DM, FICC, FACC, FRCP
Address Professor of Cardiology, Director,
Sri Jayadeva Institute of Cardiovascular Sciences
and Research, Jayanagar 9th Block,
Bannerghatta Road,
Bangalore – 560 069.
Mobile Number- 9844006699
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Academic Qualification:

| <u>Degree</u> | <u>College</u> | <u>University</u> | <u>Year of passing</u> |
|----------------------|----------------|-------------------|------------------------|
| M.B.B.S | M.M.C | Mysore | 1982 |
| M.D. (Gen. Medicine) | B.M.C | Bangalore | 1985 |
| D.M. (Cardiology) | K.M.C | Mangalore | 1988 |

DR.C.N.MANJUNATH – A PROFILE

Dr.C.N.Manjunath is a Senior Cardiologist and Director of Sri Jayadeva Institute of Cardiovascular Sciences and Research, Bengaluru. Under his leadership, the Institute has recorded 500% overall growth and the Bed Strength has been increased from 330 to 1600 beds exclusively for cardiac care. He has introduced and practicing the **“Treatment First Payment Next concept”**. He has very exclusively implemented the concept that **“Every Needy Patient should be given quality treatment irrespective of financial affordability”**.

Under this concept, where in thousands of poor patients with cardiac disease irrespective of financial affordability were treated and free treatment is given in deserving poor not only for the people of Karnataka and other parts of the Country and also third world countries. **He has taken affordable cardiac care across the State by opening branches in Mysore and Kalaburagi apart from Bangalore. He has also organized and participated in many camps across the State where in under-privileged and tribal patients are treated. He has mobilized more than 50 Crores donations from various charitable organizations and built up a poor patient corpus fund. The interest generated from these funds are utilized for needy and poor. Even medicines are given free of cost for deserving patients.**

He has continued and even contributed much more to the society and also has brought many laurels to the Country in the area of Interventional Cardiology since then. **He has donated Two acres of land for establishing Primary Health Centre in his native village which is functioning.**

Under his leadership, Hospital has treated 50 Lakh patients and conducted 5 lakhs operation / interventions in last 12 years. He has shown the country, Government Hospital can function like five star corporate hospitals. **IIM Bengaluru leadership school of Singapore, London School of Economics, Yale University USA have appreciated Jayadeva Model of high quality patient care at an affordable cost.**

American President Barack Obama has applauded the Institute's work under the Guidance of Dr. C N Manjunath.

Dr. C. N. Manjunath, is instrumental in starting 400 bedded world class hospitals complex at Mysore, which is catering to needs of mysore, chamrajnagar, mandya, Hassan and Madikeri. Another mile stone is establishing state of art Jayadeva Hospital at Kalaburagi in 2016, which caters to Hyderabad –Karnataka region, which has deprived of cardiac facility in last 70 years.

Professional Skills & Achievements:

1. Dr. C.N.Manjunath, Director has innovated a new technique of performing Balloon Mitral Valvuloplasty in difficult cases; this is **being called Manjunath's Technique** published in American Journal cathet.Cardiovasc.Diagn 44:23-26 1998 Because of his original research, because of this work, Balloon Mitral Valvuloplasty operation has become cheaper by 30 – 40% which is a boon to poor patients of India and third world countries.
2. Has done **highest number of Balloon Mitral Valvuloplasties with Accura Balloon in India**, published in Journal of interventional cardiology – Vol 11 April 1998
3. **Left atrial thrombus classification is called Manjunath's classification, published in Catheterization and Cardiovascular Interventions. 74:653-661(2009)**
4. **Has distinction of Training American, U.K, China and French Doctors on Balloon Valvuloplasties at Sri Jayadeva Institute of Cardiology, Bangalore.**
5. Principal investigator in India's first Indigenous Recombinant Streptokinase study (Shankinase) in Acute Myocardial Infarction (Heart Attack).
6. International Authority on Mitral Valvuloplasty Balloon/Catheter.
7. Has performed more than 30,000 interventions including Coronary and Non-Coronary cases.
8. Has introduced Novel method of Auto transfusion of blood in dieing patients of Cardiac Tamponade during PTMC
9. **Has given live demonstration on Balloon Mitral Valvuloplasty and Metal Commissurotome in India and abroad.**
10. **Conducted 200 Angioplasties in just 5 days free of cost, which is a world record**
11. **All Indian Institute of Medical Sciences – New Delhi visited SJICR to adopt the Jayadeva Model - Hospital Administration, basic amenities / facilities to reach common patients.**
12. **Has successfully implemented high quality cardiac care at an affordable cost across the state**
13. **More than 400 Publications in International and National Journals**
14. **Authored chapters in many Text Books and given many orations.**
15. **Institute has got NABH Accreditation by Quality Council of India in the month of September 2015 and this is the first Public Institution in the Country to get the NABH Accreditation and again reaccredited in 2018.**
16. Has mobilized Rs. **50 Crore** donations and established a poor patient fund at Sri Jayadeva Institute of Cardiology for benefit of patients undergoing Heart surgeries
17. Under his leadership in last 10 years 40 Lakhs patients are treated, 2 lakhs cardiac intervention and operation are done

Awards Received :

1. **Padma Shree Award – 2007**
2. **Millennium Plaque of Honour by Hon’ble Prime Minister of India at 103rd Indian Science Congress, Mysuru - 2016**
3. **“Man of the Year” by Bangalore Press Club, 2016**
4. **“Life Time Achievement” Award by Indian College of Cardiology, 2016**
5. **“Distinguished Leadership award”** by International Academy of Cardiovascular sciences- **Canada in the field of Cardiovascular sciences** during International Conference on Translation Research in Cardiovascular sciences - IACS-INDIA 2019, Bengaluru
6. **Sri. M.Visvesvaraya Senior Scientist Award -2019** - Indian Institute of Sciences, Bengaluru
7. **“Dhronacharya”** Award received on 30th June 2018 at New Delhi during 10th Asia Pacific Vascular Intervention Course.
8. **Varshada Kannadiga award by Hon’ble Chief Minister during 2021.**
9. Fellow of Royal College of Physician – FRCP (Glasgow)
10. Fellow of American College of Cardiology – FACC
11. Sir C V Raman Young Scientist Award 2001
12. Distinguished Service Award – during Sept.- 2006 by World Congress on Clinical and Preventive Cardiology (WCCPC 2006).
13. **“Doctorate”** from Karnataka State Open University – Mysore – 2011
14. Honorary **“Doctorate of Science”** from Rajiv Gandhi University of Health Sciences, Bangalore, on 31st March 2012.
15. Honorary **“ Doctorate”** from Mangala University, Mangalore 2016.
16. Honorary **“Doctorate of Science”** from Bangalore University, Bengaluru, on 22nd April 2019.
17. Distinguished Physician Award by American Association of Cardiologist of Indian Origin, March 2003.
18. National Recognition Award in the field of Angioplasty 1997.
19. Karnataka Rajyotsawa Award – 1998.
20. Fellow of Indian College of Cardiology - FICC
21. Fellow of Indian Academy of Medical Specialties
22. Life Member of CSI
23. Best Citizen Award BCC – 1994
24. Faculty Member of Asia Pacific Society of Interventional Cardiology
25. Best Scientific paper Award – South Zone CSI – 1995, Pulmonary Venous flow Velocities by TEE before and after PTMC, Bangalore.
26. Best paper Award – IMA Medical Specialities Conference 1996 – Comparative study of PS and Wiktor Coronary, Cochin, Kerala 1990.
27. Best paper award “Closure of PDA using Amplatzer Device at 8th Annual Conference of ICC Bhuvaneshwar, Orissa – 2001.
28. The Great Son of Karnataka – 2008 – All India Conference of Intellectuals – In recognition of his outstanding services, Achievements and contribution.
29. Best Challenging case award – TCT conference 2011 at **Sanfrancisco, USA.**
30. 8th World Congress on Clinical, Preventive Cardiology & Imaging (WCCPCI 2013) Bestowed upon International Award for Excellence in Cardiology – September 2013
31. Paul Haris Fellow Award by The Rotary Foundation of Rotary International.
32. **“Sri. Krishna Iyer Award” by Udaya Banu Kalasangha, Bangalore 2016.**
33. **Doordarshan Chandana Award – 2018** – In Health sector
34. **VISHWAMANAVA Award – 2019** – Kuvempu Vishwamanava Samastha. Bengaluru
35. **Life Time Achievement Award – 2019 for the first time Government Hospitals also recognized by healthcare Industry,** by Times Healthcare Achievers 2019, Bengaluru

Teaching Experience:

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|---|---|-----------------|
| 1. Experience in Teaching after Post Graduation | - | 36 years |
| 2. Experience in the Medical Profession | - | 40 years |
| 3. Examiner in DM Cardiology | - | 15 Universities |

Procedures under the Leadership of Dr.C.N.Manjunath, during the year 2019:

- **6,08,327 Out Patients** were treated
- **45,326** Cathlab procedures were performed (**Highest in the Country**)
- **25,555** Angiograms
- **1,396** Mitral Valvuloplasties (**Highest in the World**)
- **13,339** Angioplasties (**One of the Highest volume in the Country**)
- **3,500** Bypass & Valve Replacements Surgeries
- **3,00,804** Echo-Cardiograms (**Highest in the World**)
- **56,531** In-Patients were treated, Out of which 30,000 were treated at subsidized cost

Under his leadership, Sri Jayadeva Institute of Cardiovascular Sciences and Research, Bangalore has been accorded NABH Accreditation (National Accreditation Board for Hospitals and Health Care Providers). This is the only Public Heart Institution in the Country to get this distinction.

Dr. C.N.Manjunath, Director of Sri Jayadeva Institute of Cardiovascular Sciences and Research which is a superspeciality Institution with 1600 bed strength, offering 24 hours ICCU management, Interventions in Cardiology and Cardiothoracic Surgery. It is one of the largest Single Heart Care Centre in South East Asian Region & this center performs annually about 45,326 Cardiac Cathlab procedures and 3,500 Open Heart Surgeries. **Institute is also conducting India's largest Post Graduate superspeciality course in D.M. Cardiology with 23 seats including Paediatric Cardiology / M.Ch Surgery with 12 seats and Cardiac Anaesthesia with 8 Seats. It has the State of art equipments in the form of 12 Cathlabs, 10 Operations Theatres and Non-Invasive laboratories.**

ADMINISTRATIVE AND INNOVATIVE REVOLUTIONARY MEASURES UNDERTAKEN BY DR.C.N.MANJUNATH AS DIRECTOR

Institute has achieved 500% growth

Ever since Dr.C.N.Manjunath has taken over the charge as Director of Sri Jayadeva Institute of Cardiovascular Sciences and Research, he has brought in the revolution and metamorphosis thereby providing high quality cardiac care at an affordable cost to all sections of the society. The Institute has recorded 500% growth in the last 12-15 years.

Keeping in view of increasing number of patients, the bed strength of the hospital has been increased from 300-1600 exclusively for cardiac care which makes Jayadeva Institute a largest single centre cardiac care destination in South East Asia. Daily this Institute conducts 100-125 Angiogram Procedures including Angioplasties, 25 Open Heart Surgeries, 600-700 Echocardiography tests and attends Out patients of

1400+. To accommodate this huge volume without diluting the quality of care, additional Out Patient Blocks are constructed and laboratory services are extended and even we have introduced appointments to Out Patient Services through SMS.

The top priority is given to cleanliness and hygiene at all levels of services and most patients and visitors wonder stuck and they won't believe that this is a Government run hospital. Today we have shown that the Government run autonomous institute can be managed like a Five Star Hospital which most people think it is next to impossible and we have brought in a corporate work culture with very good public relation and guest relation system.

We have introduced Incentive Scheme for all employees based on performance, productivity and punctuality which has resulted in greater motivation and higher productivity. We have encouraged public private partnership in many areas of services such as CT Angiogram, Nuclear Cardiology and other laboratory services.

We have also introduced Single Window Master Health Check up facility where in all OPD Investigations are done under one roof and reports are given at the end of 2 hours, so that the working class need not spend whole day for evaluation and investigations.

To promote Research activities in the Institute, we have introduced Incentive Scheme for Scientific Publications in National and International for the Doctors, as a result we can able to publish 400 research articles in the last 5 years.

We are working on a Novel Slogan **“Every Needy Patient shall be given a quality treatment irrespective of financial affordability”** despite limited grants from the Government. We have collaborated with more than 35 Charitable Organisations, Non-Government Organisations, Philanthropic bodies which are supporting the treatment of many needy patients. We have very effectively implemented **“Treatment First Payment Next”** concept where in patients coming for emergency treatment shall be admitted without any advance amount or verifying any documents and treatment is initiated. **Our Slogan is “Quality, Charity, Subsidy and Humanitarian Approach”.**

To reach people in remote areas and various Districts and Taluk Hospitals, we are very active on Telemedicine Net-works and we are connected with 30 Districts and Medical College Hospitals and providing consultancy services and follow up treatment.

We have also simplified Discharge processes where in billing and payments are done in respective floors. **Recently Accountant General of India has audited the Institute's Accounts and have even appreciated that this hospital is a great model for its effective internal finance management and resource mobilization despite 37% deficit in the grants allocation to the Institute by the Government. All Services and maintenance were excellent.**

We have also introduced Maternity Leave for all the Employees working on Contract basis.

We have also introduced Patient Comfort Monitoring Services and Patient Satisfaction Survey to collect the feedback from both Inpatients and patients after discharge. In this survey, we collect feedback regarding the services such as Doctors visit, food, nursing care so that we are subjecting ourselves for self assessment.

In these days many specialists are leaving the Government hospitals and many are reluctant to join the Government Hospitals but in Jayadeva Institute because of excellent working atmosphere, Incentive Schemes, Academic opportunities and ease of promotional issues, there is no shortage of specialists and many specialists are in queue to join and serve the Institute and people.

Today this Institute is attracting patients from all over the world including overseas patients from Indonesia, Pakistan, Bangladesh, Malaysia etc. because of quality cardiac care. There are not many Government Institutions attracting overseas patients. Institute is also attracting Specialists from USA, UK, France, Vietnam, Middle East, China etc., The Specialists from those country's are coming to Institute for undergoing training in Interventional Cardiology and to learn various techniques.

Institute has also created a brand not only nationally even at the international levels as a result we are recognized to do Live Transmission of various procedures to other parts of the world.

Some of the Other Achievements made by Dr. C.N. Manjunath:

1. Performed more than **30000 Cardiac Interventions including Coronary and Non-Coronary Cases.**
2. **Done Original Research on Accura Balloon resulting in Balloon Valvuloplasty Operations becoming cheaper by 30-40%** and thereby providing immense relief to poor patients in India and other developing and underdeveloped nations (**Work published in American Journal, Journal of Interventional Cardiology Volume 11 April 1998**). This is a boon to poor patients of Third World Nations.
3. **Left Atrial Thrombus Classification** is called "**Manjunath's Classification**", published in Catheterization and Cardiovascular Interventions, 74:653-661(2009).
4. **Innovated a New Technique** of performing Balloon Mitral Valvuloplasty in difficult cases called "**Manjunath's Technique**" (published in Catheterization Cardiovascular Diagnosis 1998).
5. **He is Author and Architect of "Hrudaya Sanjeevini Scheme"** for the poor – **Under this Scheme annually 6500 Below poverty Line Needy** Patients are treated free of cost which includes Open Heart Surgeries, Bypass Surgeries, Angioplasties, Pacemaker Implantations which are done free of cost. This Scheme is a boon to the poor and needy heart patients.
6. **Principal Investigator in India's first** Indigenous Recombinant **Streptokinase Study** (Shankinase) in Acute Myocardial Infarction (Heart Attack).
7. **Performed in India the highest number of Balloon Mitral Valvuloplasty with Acura Balloon besides** he has distinction of **training American, French, UK, China, Vietnam** Cardiologists in the field of Valvuloplasty Procedures at Bangalore and has done India Proud.
10. **Past President and Permanent Invitee of the Indian College of Cardiology.**
11. **Eleven Indo-American Workshops on Angioplasty conducted. More than 1500 patients were treated free. During 2019, 150 Angioplasties** for poor patients in just **4 day** in joint collaboration with Medtronics Vascular Division & NRI Heart Foundation, USA. **10 Crores worth Stents given free of cost by the Donors (Total)**
12. **He has authored Schemes for poor patients belonging to Scheduled Caste/Scheduled Tribe Community**, wherein all heart related procedures are done free of cost to Schedule Caste / Schedule Tribal Community Patients.

13. He has put **Karnataka and India on World Map** in the area of Balloon Mitral Valvuloplasty Procedures.

14. **Has more than 400 Publications in International and National Journals.**

Philanthropic Contributions and Charity:

1. He is the Author and Architect of “Hrudaya Sanjeevini Scheme for the poor”. Under this scheme annually 7500 Below Poverty Line needy patients are treated free of cost which includes Open Heart Surgeries, By-Pass Surgeries, Angioplasties, Pacemakers Implantations which are done free of cost. This scheme is a boon to the poor and needy heart patients. This scheme is running successfully for the last seven years.
2. He has authored and implemented projects for poor patients belonging to Scheduled Cast / Scheduled Tribe Community. Open heart Surgeries and Angioplasties are done free of cost for deserving under privileged patients.
3. He has tied with more than 25 Charitable Organizations under which Annually 800 - 1000 open heart Surgeries, Angioplasties are done free of cost for deserving patients including Children.
4. Mobilization of Finances and Implants for Free Treatment of Patients. Stents, Pacemakers, Valves and other Drugs amounting to Rs. 1.00 Crores used for the treatment of 620 poor patients free of cost. Materials worth Rs. 2.00 Crores were provided to poor patients free of cost.
5. As president of Cardiological Society of India, Bangalore Chapter introduced novel scheme for the first time to donate Rs. 5 Lakhs every year towards treatment of poor patients with Heart disease, from the CSI funds.
6. In 1997 an Angiography workshop at Chennai under Asia Pacific Society was held, where in 25 poor patients were given angioplasty and stenting procedures free of cost which otherwise would have costed Rs. 32 Lakhs.
7. Has donated Rs. 15 Lakhs towards poor patients treatment out of 56th CSI Annual conference savings which was held in December 2004 in Bangalore.
8. No Admission fees for Emergency Treatment at SJICR
9. Donated 350 Heart Valves & 100 Pacemakers to poor patients worth Rs. 1.5 crores.
10. **Has Conducted Annually Indo-American Angioplasty Workshop since 2007, where in more than 1500 poor patients underwent Free Angioplasty with Stent and worth Rs. 10.00 Crores. Jointly sponsored Dr. Subramani, Wisconsin, USA.**
11. **Free Permanent Pacemaker Implantation donated worth Rs. 75 Lakhs, jointly sponsored by Sri Jayadeva Institute of Cardiology & Dr. Subramani, Wisconsin, USA.**
12. Free Angioplasty treatment for **1500** patients
13. Free Open Heart Surgeries for **2500** patients
14. **600** artificial Heart Valves donated **75** Free Permanent Pace maker + 15 ICD, s done with donation from Rotary Bangalore East Pacemaker Bank
15. Concessional treatment facilities to the patients coming under BPL Category.
16. **M/s. S.B. Chordia Trust, Chennai has sponsored Rs. 2.5 Crore to treat about 300 poor patients.**
17. **M/s. Ranka Charitable trust donated Rs. 95 Lakhs towards the Surgery / Angioplasty procedures about 195 poor patients.**

Facilities added during his Tenure:

- **Establishment of Two more Branches at Mysuru and Kalaburagi**
- Introduced Single Window Master Health Check Up facility
- Expansion of General OPD (Out Patient Department)
- Expansion of New OPD
- Accreditation of NABH
- Modernization of Digital Library
- Establishment of Auditorium
- Establishment of Deluxe Ward in 5th Floor and 6th Floor
- Renovation of Special Ward
- Modernization of Kitchen & Food Court Extension
- Introduction of Incentives to Faculties and Staff members
- Establishing Accommodation for Post Graduates
- Establishing Accommodation for Patient Visitors / New Dormitory
- Addition of Seven (7) Cathlabs – This is the only Institute having 7 Cathlabs under one roof.
- Establishment of Nuclear Medicine
- Addition of 4 Operation Theatres
- Establishment of Paediatric and Surgical ICCU's
- Establishment of Tissue Valve Bank
- Parking Slot for Faculties / Visiting patients in Hospital Premises
- Introduction of Patient Comfort Monitoring Services & Patient Satisfaction Survey to get the feedback
- Establishment of Paediatric Echo Cardiograph
- Extension of New General OPD Wing
- Vascular surgery OPD wing
- Establishment of 64 slice C.T.Scan
- Establishment of MRI facility
- Establishment of Pharmacy facility
- Establishment of Cardiac Rehabilitation center
- New Cardiac Male General ward – Dr. Sandeep Ward
- New Software for Stores / Accounts / Cash counter / Registration & Admission counter

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| <p>Organizational Skills</p> | <p>Organizing Secretary 56th Annual National Conference of Cardiological Society of India, Bangalore – 2004, regarded as one of the best Medical conference of India</p> <p>Organizing Secretary of 1st & 7th National Conference of Indian College of Cardiology – Bangalore 1994. 2000.</p> <p>President, WCCICC-2019, 8th-10th Feb, Hotel J W Marriott, Sahar, Mumbai</p> |
| <p>Professional Bodies attachments</p> | <p>1. President - Indian College of Cardiology – 2005-2006</p> <p>2. Hon. Secretary - Indian College of Cardiology, 1997-2003</p> <p>3. Hon. Editor - Journal of Indian College of Cardiology 1999-2000</p> |

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| 4. Editorial Member | - Indian Heart Journal (1997) |
| 5. Advisory Committee Member | - Indo-French Heart Foundation – 1998 – 99. |
| 6. Scientific Board Advisor | - Asia-Pacific – 2002. |
| 7. Executive Committee Member | - Cardiological Society of India – 2005-06 |
| 8. Member | - Drug Controller of India, |
| 9. Member | - Medical Council of India |
| 10. Member – Board of Director | - Suvarna Arogya Suraksha Trust |
| 11. Trustee | - Suvarna Arogya Suraksha Trust |
| 12. Executive Committee Member | - Cardiological Society of India – 2012-13 |
| 13. President | - 2017-18 World Federation of Cardiac Imaging & clinical Cardiology (WFCICC) – 2 nd World Congress on cardiac imaging & Clinical cardiology |
| 14. Honorary Member | - American Association of Cardiologists of Indian Board of Director origin : 2017 - 2018 |

He has brought a revolutionary change in the system and proved that Government Institution can function like any other corporate hospital. All this remarkable and impeccable progress has taken place in the last 9-10 years under the dynamic leadership of Director, Dr.C.N.Manjunath, Sri Jayadeva Institute of Cardiovascular Sciences and Research.

Personal

Fathers Name : Late Nanjappa
Cholenahally
Channarayapatna Taluk, Hassan, District.
Occupation: Agriculture

Postal Address : No: 281, 80 feet Road,
Padmanabhanagar, Bangalore - 560070

Date of Birth : 20 – 07 – 1957

Age : 61 Years

Sex : Male

Wife : **Dr. Anusuya Manjunath**
Children's : **Son: Dr. Satvic C Manjunath – Cardiologist**
Daughter: Dr. Namratha – Dermatologist

Examiner in DM Cardiology:

1. Rajiv Gandhi University of Health Sciences, Bangalore, Karnataka
2. Kerala University, Thiruvananthapuram, Kerala
3. Sree Chitra Tirunal Institute for Medical Sciences & Technology, Thiruvananthapuram, Kerala
4. Manipal Academy of Higher Education (Deemed University) – Manipal, Karnataka
5. University of Kolkatta, Kolkatta, West Bengal.
6. Bombay University, Mumbai, Maharashtra
7. NTR Health university, Vijawada, AP
8. Sri Venkateshwara Institute of Medical Sciences, Tirupathi, AP
9. SGPGIMS, Lucknow, UP
10. JIPMER, Pondichery
11. CMC, Vellore
12. Madras Medical College, Chennai.
13. Bhuneshwara University, Cuttack.
14. Matha Amrutha Institute of Medical Scieces - Kerala

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