

CURRICULUM VITAE OF DR.C.N.MANJUNATH, DIRECTOR
SRI JAYADEVA INSTITUTE OF CARDIOVASCULAR SCIENCES AND
RESEARCH

Name : **DR. C. N. MANJUNATH**

Date of Birth : 20 – 07 – 1957

Age : 58 Years

Sex : Male

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

Marital Status : Married

Nationality : Indian

Designation : **Professor & Head of Cardiology**
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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 has recorded 300% overall growth and the Bed Strength has been increased from 330 to 640 beds exclusively for cardiac care. Under his leadership, Sri Jayadeva Institute of Cardiovascular Sciences and Research has introduced and practicing the “Treatment First Payment Next concept”. He has very exclusively implemented “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 third world countries. He has taken affordable cardiac care across the State by opening branches in Mysore / Kalburgi apart from Bangalore.

He has also organized and participated in many camps across the State and under-privileged and tribal patients are treated. He has mobilized more than 25 Crores donations from various charitable organizations and built up a poor patient corpus fund, the interest generated is utilized for needy and poor. Even medicines are given free of cost for deserving patients.

Recognizing his professional, philanthropic work and social commitments, he was awarded Padma Shree in the year 2007.

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.

Dr. C.N.Manjunath, Director of Sri Jayadeva Institute of Cardiovascular Sciences and Research which is a superspeciality Institution with 600 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 26,000 Cardiac Cathlab procedures and 3000 Open Heart Surgeries. Institute is also conducting India's largest Post Graduate superspeciality course in D.M. Cardiology with 21 seats / M.Ch Surgery with 12 seats and Cardiac Anaesthesia with 8 Seats. It has the State of art equipments in the form of 7 Cathlabs, 7 Operations Theatres and Non-Invasive laboratories.

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.

**ADMINISTRATIVE AND INNOVATIVE REVOLUTIONARY
MEASURES UNDERTAKEN**

BY

DR.C.N.MANJUNATH AS DIRECTOR

*** Institute has achieved 300% 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 300% growth in the last 9-10 years.

Keeping in view of increasing number of patients, the bed strength of the hospital has been increased from 300-600 exclusively for cardiac care which makes Jayadeva Institute a largest single centre cardiac care destination in South East Asia. Daily this Institute conducts 80-100 Angiogram Procedures including Angioplasties, 15 Open Heart Surgeries, 400-500 Echocardiography tests and attends Out patients of 1000+. 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.

The Institution is running Country's biggest Post Graduate Courses in Cardiology with annual intake of 21 seats in D.M. Cardiology and 12 seats in M.Ch Cardiothoracic Surgery and 8 seats in D.M. Cardiac Anaesthesia. This is the only Institution in the Country where there are 21 Post Doctoral seats in D.M. Cardiology Courses as a result we are producing quality Cardiologists not only for our State and also to the rest of the Country.

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 200 research articles in the last 2 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 25 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”.** We

have established “Poor Patient Corpus Fund” of Rs. 25.00 Crores, the interest generated is used for poor and needy patients.

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 a Contract basis and also the Yeshasvini Scheme & Health Insurance Scheme is being introduced for their health benefits.

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.

To provide cardiac treatment to Labour Class, Institute has opened a State of Art Cardiac Centre at ESIC, Rajajinagar in the year 2012. The Institute has started another branch in Mysore with 110 bed capacity which is providing cardiac treatment to patients of Mysore, Chamarajanagar, Mercara, Mandya and Hassan State. To reach cardiac patients in remote part of the State, we are establishing one more unit at Kalaburgi and will be functional within 3 months time. **This is the only Public Institution in the Country which is having many branches in different parts of the State.**

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. All this is 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.

Following are some of the Other achievements made by Dr. C.N. Manjunath:

1. Performed more than **26000 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. **American President Mr. Barack Obama**, has **applauded** the Institute concept of high quality **cardiac care at an affordable cost and free** in deserving poor under dynamic leadership of Dr. C.N.Manjunath.
6. **Mobilised Rs. 25 Crores donations** and created a **poor patient fund** at Sri Jayadeva Institute of Cardiovascular Sciences and Research for the benefit of needy patients undergoing various Heart Surgeries. Interest generated is utilized for Needy poor patients.
7. **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.
8. **Principal Investigator in India’s first** Indigenous Recombinant **Streptokinase Study** (Shankinase) in Acute Myocardial Infarction (Heart Attack).
9. **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. **Indo-American Angioplasty Workshop: 200** Angioplasties for poor patients were conducted in just **5** days free of cost which is a world record. Under this project nearly **1000 Angioplasties** were conducted **free of cost** for deserving poor patients for the last five years.
12. He is instrumental in opening Cardiac Centres for Labour Class and another at Mysore which caters to the Nearly One Crore Population in the region.
13. **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.
14. He has put **Karnataka and India on World Map** in the area of Balloon Mitral Valvuloplasty Procedures.
15. **Has more than 250 Publications in International and National Journals.**

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. Sir C V Raman Young Scientist Award 2001
5. Distinguished Service Award – September 2006, by World Congress on Clinical and Preventive Cardiology (WCCPC 2006).
6. Received **“Doctorate”** from Karnataka State Open University – Mysore – 2011
7. Honored **“Doctorate of Science”** from Rajiv Gandhi University of Health Sciences, Bangalore, on 31st March 2012.
8. Distinguished Physician Award by American Association of Cardiologist of Indian Origin March 2003.
9. National Recognition Award in the field of Angioplasty 1997.
10. Karnataka Rajyotsawa Award – 1998.
11. Fellow of Indian College of Cardiology
12. Fellow of Indian Academy of Medical Specialties
13. Life Member of CSI
14. Best Citizen Award BCC – 1994
15. Faculty Member of Asia Pacific Society of Interventional Cardiology
16. Best Scientific paper Award – South Zone CSI – 1995, Pulmonary Venous flow Velocities by TEE before and after PTMC, Bangalore.
17. Best paper Award – IMA Medical Specialities Conference 1996 – Comparative study of PS and Wiktor Coronary, Cochin, Kerala 1990.
18. Best paper award “Closure of PDA using Amplatzer Device at 8th Annual Conference of ICC Bhuvaneshwar, Orissa – 2001.
19. The Great Son of Karnataka – 2008 – All India Conference of Intellectuals – In recognition of his outstanding services, Achievements and contribution.
20. Best Challenging case award – TCT conference 2011 at **Sanfrancisco, USA.**
21. 8th World Congress on Clinical, Preventive Cardiology & Imaging (WCCPCI 2013) Bestowed upon International Award for Excellence in Cardiology – September 2013
22. Fellow of American College of Cardiology – FACC
23. Paul Haris Fellow Award by The Rotary Foundation of Rotary International.
24. **“Sri. Krishna Iyer Award” by Udaya Banu Kalasangha, Bangalore 2016.**

Philanthropic Contributions and Charity:

1. Has mobilized Rs. 25 Crore donations and established a poor patient fund at Sri Jayadeva Institute of Cardiology for benefit of patients undergoing Heart surgeries.
2. 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.
3. 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.
4. 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.
5. 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.
6. 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.
7. 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.
8. Has donated Rs. 15 Lakhs towards poor patients treatment out of 56th CSI Annual conference savings which was held in December 2004 in Bangalore.
9. No Admission fees for Emergency Treatment at SJICR
10. Donated 350 Heart Valves & 100 Pacemakers to poor patients worth Rs. 1.5 crores.
11. Conducted Angioplasty Workshop at Sri Jayadeva Institute of Cardiology for 25 patients in one day, which **is a national record – Stents worth Rs. 12 Lakhs was used. In the year 2009 153 patients underwent Angioplasty with stent free**
12. **Has Conducted Annually Indo-American Angioplasty Workshop since 2007, where in 1250 poor patients underwent Free Angioplasty with Stent and worth Rs. 7.5 Crores. Jointly sponsored Dr. Subramani, Wisconsin, USA.**

13. **Free Permanent Pacemaker Implantation donated worth Rs. 75 Lakhs, jointly sponsored by Sri Jayadeva Institute of Cardiology & Dr. Subramani, Wisconsin, USA.**
14. Free Angioplasty treatment for **1500** patients,
15. Free Open Heart Surgeries for **2000** patients,
16. **600** artificial Heart Valves donated **75** Free Permanent Pacemaker + 15 ICD,s done with donation from Rotary Bangalore East Pacemaker Bank
17. Concessional treatment facilities to the patients coming under Yeshasvini Co-operative Farmers Health Scheme.
18. **M/s. S.B. Chordia Trust, Chennai has sponsored Rs. 1.5 Crore to treat about 300 poor patients.**
19. **M/s. Ranka Charitable trust donated Rs. 76 Lakhs towards the Surgery / Angioplasty procedures about 195 poor patients.**
20. **Has donated Two acres of land at Native town for the construction of Primary Health Centre, which is already functioning..**

Facilities added during his Tenure:

- Introduced Single Window Master Health Check Up facility
- Expansion of General OPD (Out Patient Department)
- Expansion of New OPD
- Modernization of Library
- Establishment of Auditorium
- Establishment of Deluxe Ward in 5th Floor and 6th Floor
- Renovation of Special Ward
- Modernization of Kitchen
- Establishing Accommodation for Post Graduates
- Establishing Accommodation for Patient Visitors
- Addition of Seven (7) Cathlabs – This is the only Institute having 7 Cathlabs under one roof.
- Addition of Operation Theatres
- Establishment of Paediatric and Surgical ICCU's
- Establishment of Tissue Valve Bank
- Parking Slot for Faculties in Hospital Premises
- Introduced Maternity Leave for all Employees working on Contract basis
- Introduction of Yeshasvini Scheme and Health Insurance Scheme for their health benefits
- Introduction of Patient Comfort Monitoring Services & Patient Satisfaction Survey to get the feedback
- Establishment of Two more Branches at Mysuru and Kalburgi

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, 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 15,000 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 with joint Sponsorship from NRI USA and SJIC&R – **world record in year 2011.**
11. **American President Barack Obama has applauded the Institute's work under the guidance of Dr. C N Manjunath.**
12. **Opened Jayadeva Branch at Mysore** (110 Bed facility) in the year 2010, which is a great success
13. **All Indian Institute of Medical Sciences – New Delhi visited SJICR to adopt the Jayadeva Model - Hospital Administration, basic amenities / facilities to reach common patients.**
14. **Has successfully implemented high quality cardiac care at an affordable cost across the state.**
15. **More than 125 Publications in International and National Journals**
16. **Authored chapters in many Text Books.**

Organizational Skills:

1. Organising Secretary of 1st National Conference of Indian College of Cardiology – Bangalore 1994.
2. Organising Secretary of 7th National Conference of Indian College of Cardiology – Bangalore – 2000.
3. Organising Secretary 56th Annual National Conference of Cardiological Society of India, Bangalore – 2004, regarded as one of the best Medical conference of India.

Publications:

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2. Moorthy N, Ananthakrishna R, Rajendran R, S L GG, Bhat SP, **Nanjappa MC**. Giant Cardiac Hydatid cyst: An Uncommon cause of Cardiomegaly. J Am Coll Cardiol. 2013 Aug 12. doi:pii: S0735-1097(13)03790-X. 10.1016/j.jacc.2013.04.103.
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12. Mahimarangariah J, Kikkeri H S, Rai K M, **Nanjappa MC**. Combined transcatheter device closure of ruptured sinus of valsalva and a post-surgical residual ventricular septal defect. *Catheter Cardiovasc Interv*. 2013 Feb 21. doi: 10.1002/ccd.24889.
13. Singh B, Singh Y, Singla V, **Nanjappa MC**. Wellens' syndrome: a classical electrocardiographic sign of impending myocardial infarction. *BMJ Case Rep*. 2013 Feb 18;2013.
14. Singh Y, Kharge J, Ramegowda RT, **Nanjappa MC**. Large atrial thrombus at unusual site: masquerading atrial myxoma. *J Thromb Thrombolysis*. 2013 Jul;36(1):74-6.
15. Singh B, Singh Y, Singla V, **Nanjappa MC**. A common prosthetic valve at uncommon position. *BMJ Case Rep*. 2013 Jan 17;2013. doi:pii: bcr2012008146. 10.1136/bcr-2012-008146.
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21. Singh B, Ravindran R, Bhairappa S, **Nanjappa MC**. Giant left atrium with spontaneous echo contrast: a harbinger of thromboembolic phenomenon. *BMJ Case Rep*. 2012 Sep 30;2012. doi:pii: bcr2012006880. 10.1136/bcr-2012-006880.
22. Shankarappa RK, Moorthy N, Bhat P, **Nanjappa MC**. Left ventricular hydatid cyst: an uncommon cause of chest pain in young adults. *Cardiol Young*. 2013 Jun;23(3):460-2.
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29. Panneerselvam A, Shankarappa RK, **Nanjappa MC**. Tombstone-like electrocardiographic changes during exercise stress test. *J Electrocardiol.* 2012 Jan-Feb;45(1):13-4.
30. **Nanjappa MC**, Bhat P, Panneerselvam A. Modified technique of BMV for severe submitral stenosis. *J Invasive Cardiol.* 2011 Sep;23(9):387-8.
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33. Ananthakrishna R, **Nanjappa MC**, Kamalapurkar G, Bhat P, Panneerselvam A, Chander N, Chandrasekaran D. Cardiac tumour in a patient with rheumatic heart disease. *BMJ Case Rep.* 2011 Sep 8;2011. doi:pii: bcr0420114146. 10.1136/bcr.04.2011.4146.
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echocardiographic documentation. Echocardiography. 2009 Aug; 26(7):870-2.

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PhD Degree Co-Guide:

1. Study of Lipid profile, Apo (a), Lp(a) in Health and Disease, Dr.G.Rajeshwari, Bangalore University.24-06-2003.
2. Study of Apolipoproteins in Coronary Heart Disease. Dr. Sudharshini Rao, Bangalore University.04-08-2004.
3. Study of Insulin resistance in Coronary Artery Disease, A pragmatic Approach. Dr. Shaheena Banu, Rajiv Gandhi University Health Science.13-01-2005.

International Workshops and Conference Attended:

- WHO fellowship Training in Interventional Cardiology at University of Birmingham ALABAMA, USA.1994.
- Workshop on Interventional Cardiology at University of Charles Nicholas Roven – France.1996.
- Atherectomy Workshop – Birmingham, USA. 1994.
- European Society of Cardiology Conference, England, 1997
- Angioplasty Workshop at Columbo.2000.
- Madrid interventional Cardiology – Spain, 1998
- Australasia Symposium – Perth, Australia. 1998
- TCT – Washington – USA 1999.
- Laser in Cardiology Practice – Bangkok. 1999.
- PCR – Paris 2005.
- TCT – Washington DC 2005.

Live Workshops organized and performance given as primary operator:

1. Interventional Cardiology Workshop at Sri Jayadeva Institute Cardiovascular sciences and Research Bangalore year 1996.
2. Angioplasty Live workshop – Mauritius – 2002.
3. Mitral Valvuloplasty Live workshop at Medical College, Calicut – 2000.
4. Mitral Valvuloplasty Live workshop at Post Graduate Institute in Cardiology, Nagpur- 2000.
5. Mitral Valvuloplasty Live workshop at B.M.Birla Heart Institute, Kolkata – 2000,
6. Mitral Valvuloplasty Live workshop at S.S.K.M.Post graduate Institute, Kolkata – 2000.
7. Mitral Valvuloplasty Live workshop at J.J.M.Medical College, Belgaum, 2001.
8. **Live Mitral Valvuloplasty workshop to Paris – France**
(India Live 2009)
9. Live workshop conducted for more than 10-15 National & International Conference

Scientific Abstracts and Papers Presented:

1. Echo Correlation of left Atrial Size and Atrial Fibrillation CSI 1987.
2. Clinical, Echocardiographic Evaluation of Hypertrophic Cardiomyopathy CSI, 1987.
3. Metoprolol in Dilated Cardiomyopathy - CSI - 1987
4. Clinical, Echocardiographic Haemodynamic study of TAPVC CSI - 1989
5. Primary Pulmonary Hypertension - CSI - 1987 clinical, Echocardiographic study
6. Intravenous streptokinase in Acute Myocardial Infarction - CSI 1991
7. Single Coronary Artery Cases Report CSI
8. Myocardial Hydatid Cyst - CSI 1990.
9. Assessment of Shunt size in Atrial Septal defect by Transatrial Jet width on Colour flow Mapping - CSI - 1994.
10. Study of intravenous Diltiazem in SVT - ICC - 1994
11. Haemodynamic changes following Balloon Mitral Valvuloplasty ICC- 1994
12. PTMC in Mitral Regurgitation - ICC - 1994
13. PTMC in Mitral Stenosis Calcification - ICC - 1994
14. Balloon Mitral Valvuloplasty in High Risk Sub Categories - CSI - 1994
15. 1000 cases of Balloon Mitral Valvuloplasty by Inoue and Accura Balloon (800cases)
16. Left Atrial Spontaneous Echo Contrast in Mitral Valve Disease by TEE-CSI 1994.
17. Pulmonary Venous Flow Assessment by TEE in patients with Mitral Stenosis.
18. Mitral Valve Area Estimation by Transmitral Jet width on TEE - CSI - 1995
19. Pulmonary Venous flow Assessment by TEE before and after PTMC
20. Comparative study of PALMATZ SCHATZ and WIKTOR CORONARY STENTING - CSI 1996.
21. Comparative study of PTMC and closed surgical Valvotomy - ICC - 1994
22. Clinical Echocardiography study of Infective Endocarditis - CSI 1994
23. Apolipoproteins in Coronary Artery Disease - CSI - 1994
24. Analysis of left atrial A and V wave in Mitral Stenosis - ICC - Hyderabad
25. Balloon Mitral Valvuloplasty by Modified Meier's Technique ICC 1996- Hyderabad.
26. Pattern and Prevalence of Rheumatic Heart Disease by Echocardiographic Evaluation, Indian Heart Journal 1999;51:604 -Nov. 1999
27. Transcatheter Closure of Atrial Septal Defect using Self Expandable Amplatzer Septal occluder versus surgical closure - A comparative Analysis. Indian Heart Journal 2000; 52:721, Nov- 2000.
28. Effect of Coronary Angioplasty on QT interval Dispersion. Indian Heart Journal: 2000; 52:794, Nov-2000.
29. QT Dispersion as a Predictor of In-Hospital Ventricular Arrhythmias and Mortality in Acute Myocardial infarction. Indian Heart Journal 2000; 52:808, Nov-2000.
30. Transcatheter Closure of Patent Ductus Arteriosus - our Experience - Indian Heart Journal 2000; 52:810, Nov-2000.
31. Multivessel Coronary Angioplasty and Stenting at Sri Jayadeva (Mumbai): A Clinical Outcome: Indian Heart Journal 1999;51:604. Nov-Dec, 1999.
32. Rescue Angioplasty after Failed Thrombolysis in Acute Myocardial Infarction, Indian Heart Journal 1999; 51:625. Nov-Dec 1999.
33. Percutaneous Transluminal Coronary Angioplasty in Women: A Comparative Study, Indian Heart Journal 1999; 51:626, Nov-Dec 1999.

34. Percutaneous Transluminal Coronary Angioplasty in Elderly: A comparative study. Indian Heart Journal 1999; 51:650, Nov-Dec 1999.
35. Mitral Valvuloplasty in patients Aged 50 years and above. Indian Heart Journal 1999; 51:659, Nov-Dec 1999.
36. Emergency PTMC in patients with Rheumatic Mitral Stenosis and Cardiogenic Shock or Cardiac Arrest. Indian Heart Journal 1999; 51:667, Nov-Dec 1999.
37. Evaluation of C - reactive protein in Coronary Artery Disease and Acute Myocardial Infarction patients. Indian Heart Journal 1999; 51:703, Nov-Dec 1999.
38. Intermediate Term Follow-up Results of Percutaneous Transvenous Mitral Commissurotomy. Indian Heart Journal 1999; 51:722, Nov-Dec 1999.
39. Percutaneous Balloon Aortic Valvuloplasty in Congenital Aortic Stenosis: Intermediate-Term Follow-up study. Indian Heart Journal 1999; 51:730, Nov-Dec 1999.
40. Percutaneous Transvenous Mitral Commissurotomy in Juvenile Rheumatic Mitral Stenosis. Indian Heart Journal 1999; 51:731, Nov-Dec 1999.
41. Experience with Small-Vessel Stenting, Indian Heart Journal 2003; 55:443-451, 2003.
42. Accelerated Streptokinase: A comparison of 30-min Infusion Versus 60-min Infusion of Streptokinase in Acute Myocardial Infarction. Indian Heart Journal 2003; 55: 543-550. 2003.
43. Experience with Percutaneous Transvenous Mitral commissurotomy in Mitral Valve Restenosis. Indian Heart Journal 2003; 55:573-578, 2003.
44. Accelerated Streptokinase: A Comparison of 30-min infusion versus 60-min Infusion of Streptokinase in Acute Myocardial infarction. Indian Heart Journal: 2003; 55; 572-578, 2003.
45. Stenting for Symptomatic Myocardial Bridging, Indian Heart Journal: 2003; 54; 597-602, 2003.

Professional Experience in Medical field- 23 years experience:

1. **Post Graduation in Internal Medicine**
Bangalore Medical College - 1982 - 1985
2. **Senior Registrar in Cardiology**
KMC – Manipal - 02-09-1985 to 04-07-1988
3. **Lecturer in Cardiology**
Sri Jayadeva Institute of Cardiology - 01-02-1989 to 26-11-1990
4. **Assistant Professor of Cardiology**
Sri Jayadeva Institute of Cardiology - 27-10-1990 to 17-04-1996
5. **Professor of Cardiology**
SJICR - From 18-04-1996
(14 years As a Professor of Cardiology)
6. **Director – SJICR** - From 1st January 2006
till date

Teaching Experience:

1. Experience in Teaching after Post Graduation - 30 years
2. Experience in the Medical Profession - 34 years

Professional Bodies Attachments:

- | | |
|--------------------------------|---|
| 1. President | - Indian College of Cardiology – 2005-2006 |
| 2. Hon. Secretary | - Indian College of Cardiology, 1997-2003 |
| 3. Hon. Editor | - Journal of Indian College of Cardiology 1999-2000 |
| 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 | - Yeshaswini Trust |
| 11. Trustee | - Vajpayee Arogya Scheme (SAST) |
| 12. Executive Committee Member | - Cardiological Society of India – 2012-13 |

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, 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, Pondicherry**
- 11. CMC, Vellore**
- 12. Madras Medical College, Chennai.**
- 13. Bhuneshwara University, Cuttack.**
- 14. Matha Amrutha Institute of Medical Scieces - Kerala**

Sd/-
(DR.C.N.MANJUNATH)
DIRECTOR