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NUTSHELL Interventional Cardiologist

Researcher

**Author** 

Innovator

**Social Activist** 

**Dreamer** 

# Dr. Rishi Sethi

PROFESSOR CARDIOLOGY (KGMU LUCKNOW)
MD, DM, FACC, FESC, FRCP (Edin), FSCAI, MAMS, FAPSIC,
FCSI, FISC

#### PRESENT DESIGNATION

Professor, Department of Cardiology, King George's Medical University (KGMU), Lucknow India.

Dean (Innovations) King George's Medical University, Lucknow India. Associated Director – AICT – Asia PCR.

Member Senate of IIT Kanpur.

### **ACADEMIC BACKGROUND**

2004 - 2007 DM Cardiology
King George's Medical University, Lucknow India

1999 - 2002 MD Medicine King George's Medical University, Lucknow India

1993 - 1997 MBBS King George's Medical University, Lucknow India

#### **FELLOWSHIPS**

- FELLOWSHIP IN INTERVENTIONAL CARDIOLOGY at National University Heart Centre. Singapore. 2010-2011
- Fellowship of Asian Pacific Society of Interventional Cardiology. 2012
- Fellowship of American College of Cardiology. 2013
- Fellowship of Society of Catheterization Angiography & Intervention 2013
- Fellowship of European Society of Cardiology. 2014
- Fellowship of Cardiological Society of India. 2015
- Fellowship of India Society of Cardiology 2016
- Member of National Academy of Medical Science, India (MAMS). 2010
- Fellowship of Royal College of Physicians, Edinburgh (FRCP). 2017
- Fellowship of Royal College of Physicians, London (FRCP) 2021

### RESPONSIBILITIES IN SOCIETIES/JOURNALS/COMMITTEES

- National Executive Member of Cardiological Society of India (CSI) 2017-19
- 2. **President of Institution Innovation Council (IIC)** King Georges Medical College. Ministry of Human Resource Development (MHRD) Approve.
- 3. CHAIRMAN and CONVENER- ST Elevation MI Council Cardiological Society of India 2016-2018.
- 4. Executive Editor of Journal Heart India since 2017
- 5. Assistant Editor of **Indian Heart Journal** 2012-2017
- 6. **National Coordinator** Position Statement of CSI on the Management of ST Elevation MI in India since 2016
- 7. National Coordinator Position Statement of CSI on the Management of High Failure in India 2017
- 8. **Treasurer** of UP Chapter Cardiology Society of India 2014-2016.
- 9. **Secretary** of UP Chapter Cardiology Society of India 2016-2018.
- 10. **Executive Member** of UP Chapter Cardiology Society of India 2018-2020.
- 11. Vice President of UP Chapter Cardiology Society of India 2020-Till date.

### **ACADEMIC HONOURS AND ACHIEVEMENTS**

- Prof Dhavendra Kumar Young Investigator Gold Medal Award for the year 2019
- Health Icon Award in Cardiology 2019 (Given by Hon'ble Shri Siddhartha Nath Singh, Minister of Health Government of Uttar Pradesh) January 19, 2019
- Awarded by Atal Samman 2018 on Atal Jayanti (Bharat Ratna Hon'ble late Shri Atal Bihari Bajpai) December 25<sup>th</sup>,2018.
- Dr P C Deedwania CSI Preventive Cardiology Research Award. Research Titled Syndrome Z- A
  predictor of angiographically severe coronary artery disease in patients of acute coronary syndrome at
  69th Annual Conference of CSI 2017 Kolkata. EC Prize of Rs. 50,000/-
- **AWARD OF APPRECIATION** by King George's Medical University for Dedicated Services on 112 Foundation Day, December 2016.
- **AWARD OF EXCELLENCE** by King George's Medical University for Teaching, Research and Clinical excellence amongst the university faculty. 5<sup>th</sup> September 2012.
- Second Best Poster Prize, AICT. Singapore.2010
- AV GANDHI AWARD FOR EXCELLENCE IN CARDIOILOGY-2008- For the Best DM Cardiology Thesis in India (Gold Medal & Research Grant of Rs.75,000)
- CARDIOLOGICAL SOCIETY OF INDIA "TRAVEL AWARD for BEST RESEARCH PAPER-2007" At the 59<sup>th</sup>Annual National Conference of Cardiological Society of India (CSI), Hyderabad, December 2007

### **RESEARCH AND PUBLICATIONS**

- 1. Dwivedi SK, Nayak G, Sharma AK, Chaudhary GK, Chandra S, Bhandari M, Vishwakarma P, Pradhan A, **Sethi R**, Narain VS Forearm hematoma as a complication of transradial coronary intervention: an Indian single-center experience, Am J Cardiovasc Dis. 2021 Aug 15;11(4):462-470
- 2. Singh A, Puhan R, Pradhan A, Ali W, Sethi R Role of metabolomics in identifying cardiac hypertrophy: an overview of the past 20 years of development and future perspective, Expert Rev Mol Med. 2021.
- 3. Singh A, Puhan R, Pradhan A, Ali W, Sethi R Small Dense Low-Density Lipoprotein for Risk Prediction of Acute Coronary Syndrome Cardiol Res. 2021 Aug;12(4):251-257
- 4. Yadav S, Setjhi R, Pradhan A, Vishwakarma P, Bhandari M, Gattani R, Chandra S, Chaudhary G, Sharma A, Dwivedi SK, Narain VS, Rao b, Roy A, "Routine' Versus 'Smart Phone Application Based-Intense' Follow up of Patients with Acute Coronary Syndrome Undergoing Percutaneous Coronary Intervention: Impact on Clinical Outcomes and Patient Satisfaction. Int J Cardiol Heart Vasc. 2021
- 5. Zachariah G, Ramakrishnan S, Das MK, Jabir A, , Sethi R, Deb PK, Mohanan PP"Changing pattern of admissions for acute myocardial infarction in India during the COVID-19 pandemic. Indian Heart J. 2021.
- 6. Sethi R, Hiremath J.S., Ganesh V., Banerji S., Shah M., Mehta A, Nikam P, Jaiswal m, Shah M, "Correlation between stroke risk and systolic blood pressure in patients over 50 years with uncontrolled hypertension: Results from the SYSTUP-India study" Cardiovasc Ther. 2021.
- 7. Singh A, Dwiwedi S,Pradhan A,Narain VS, Sethi R, Chandra S, Vishwakarma P,Chaudhary G,Bhandari M,Sharma A"Isolated ST elevation myocardial infarction involving leads I and aVL: Angiographic & Electrocardiographic Correlations from a tertiary care center. Cardiol Res Pract. 2021.
- 8. <u>Sharma P, Pradhan A, VohraS, Sethi</u> R "Covid 19 and cardiovascular desease: Challenge and solution" Cardiol Res. 2021.
- 9. Pradhan A, Bhandari M, Vishwakarma P, Sethi R.Deferred Stenting for Heavy Thrombus Burden During Percutaneous Coronary Intervention for ST-Elevation MI. Eur Cardiol. 2021. Mar 30;16:e08.
- 10. Vishwakarma P, Usman K, Garg R, Bajpai J, Sethi R, Pradhan A.Clinical and Radiological Presentations of Various Pulmonary Infections in Hospitalized Diabetes Mellitus Patients: A Prospective, Hospital-Based, Comparative, Case Series Study. Pulm Med. 2021 Mar 20;2021:8878746.
- 11. Harikrishnan S, Ganapathi S, Reethu S, Bahl A, Katageri A, Mishra A, George Alex A, Roy B, Mohan B, Joshi H, Abdullakutty J, Paul J, Rai M, Manjunath C, Negi PC, Rajasekhar D, Sethi R, Routray S, Shanmugasundaram R,Padhi SS, Reddy SS, Jeemon P,"Assessment of the impact of heart failure on household economic well-being: a protocol" Wellcome Open Research 2021, null:null Last updated: 17 june 2021.
- 12. Chandra S, Saraf S, Chaudhary G, Dwivedi SK, Narain VS, Sethi R, Sharma A, Pradhan A, Vishwakarma P, Bhandari M.Prevalence and trends of occult coronary artery disease in patients with dilated cardiomyopathy. Am J Caardiovasc Dis. 2020 Dec 15;10(5):557-563.
- 13. Singh BRK, Sethi R, Jain N, Chaudhry G, Saran M, Mishra O, Pradhan A.Left Ventricular Strain: A Reliable

- Predictor of Short-Term Outcomes in Patients with Anterior Wall Myocardial Infarction without Heart Failure. Adv Biomed Res. 2020 Nov 28;9:67.
- 14. Yadav S, Yadav H, Dwivedi SK, Parashar NK, Chandra S, Chaudhary G, Sethi R, Pradhan A, Vishwakarma P, Sharma A, Bhandari M, Ramakrishnan S, Karthikeyan G.The time to reversal of complete atrioventricular block and its predictors in acute ST-segment elevation myocardial infarction. J Electrocardiol. 2020 Nov-Dec;63:129-133.
- Pradhan A, Bhandari M, Vishwakarma P, Sethi R.Novel Dual Therapy: A Paradigm Shift in Anticoagulation in Patients of Atrial Fibrillation Undergoing Percutaneous Coronary Intervention. TH Open. 2020 Oct 31;4(4):e332-e343.
- 16. Pandey D, Bansal S, Goyal S, Garg A, Sethi N, Pothiyill DI, Sreelakshmi ES, Sayyad MG, Sethi R.Psychological impact of mass quarantine on population during pandemics-The COVID-19 Lock-Down (COLD) study. PLoS One. 2020 Oct 22;15(10):e0240501.
- 17. Gupta K, Ramakrishnan S, Zachariah G, Rao JS, Mohanan PP, Venugopal K, Sateesh S, Sethi R. CSI-Great India BP Campaign Investigators. Impact of the 2017 ACC/AHA guidelines on the prevalence of hypertension among Indian adults: Results from a cross-sectional survey. Int J Cardiol Hypertens. 2020 Oct 7;7:100055.
- Pradhan A, Vohra S, Sethi R.Eplerenone: The Multifaceted Drug in Cardiovascular Pharmacology. J Pharm Bioallied Sci. 2020 Oct-Dec;12(4):381-390. doi: 10.4103/jpbs.JPBS\_338\_19. Epub 2020 Oct 8.
- 19. Manghera PS, Pradhan A, Bajpai J, Sethi R. Acute Myocardial Infarction as the Initial Presentation of Behcet's Syndrome. Int J Appl Basic Med Res. 2020 Oct-Dec;10(4):292-294.
- 20. Pradhan A, Gupta V, Vishwakarma P, Sethi R. "YoYo" Ball in Heart: Uncommon Cause of Dyspnea in an Elderly Female. Int J Appl Basic Med Res. 2020 Oct-Dec;10(4):289-291.
- 21. Pradhan A, Vishwakarma P, Bhandari M, Sethi R, Narain VS. Differential Effects of Combination of Renin-Angiotensin-Aldosterone System Inhibitors on Central Aortic Blood Pressure: A Cross-Sectional Observational Study in Hypertensive Outpatients. Cardiovasc Ther. 2020 Sep 7;2020:4349612.
- 22. Sharma SK, Rao RS, Chandra P, Goel PK, Bharadwaj P, Joseph G, Jose J, Mahajan AU, Mehrotra S, Sengottovelu G, Ajit Kumar VK, Manjunath CN, Abhaichand RK, Sethi R, Seth A; Collaborators. First-in-human evaluation of a novel balloon-expandable transcatheter heart valve in patients with severe symptomatic native aortic stenosis: the MyVal-1 study. EuroIntervention. 2020 Aug 28;16(5):421-429.

- 23. Pradhan A, Bhandari M, Sethi R. Ezetimibe and Improving Cardiovascular Outcomes: Current Evidence and Perspectives. Cardiol Res Pract. 2020 Jun 28;2020:9815016.
- 24. Chandra S, Gupta A, Chaudhary G, Narain VS, Dwivedi SK, Sethi R, Pradhan A, Vishwakarma P, Sharma A, Bhandari M, Cassese S.Safety and feasibility of same-day discharge after elective percutaneous balloon mitral valvotomy: a prospective, single-center registry in India. Acta Cardiol. 2021 Feb;76(1):30-37.
- 25. Pradhan A, Bhandari M, Vishwakarma P, Sethi R. "Triglycerides and Cardiovascular Outcomes-Can We REDUCE-IT?" Int J Angiol. 2020 Mar;29(1):2-11. Epub 2020 Feb 25. ISSN 1061-1711
- 26. Pradhan A, Sanganagoudar SP, Vishwakarma P, Sethi R. "An unusual case of isolated right-sided infective endocarditis masquerading as non-resolving pneumonia." Natl Med J India. 2019 May-Jun;32(3):144-146.
- 27. Pradha A, Tiwari A, Sethi R. "Azilsartan: Current Evidence and Perspectives in Management of Hypertension." International Journal of Hypertension. Volume 2019, Nov 3;2019 Article ID 1824621, 8 pages, 2019
- 28. Singh A,Ahuja R, Sethi R, Pradhan A, Srivastava V. "Prevalence and incidence of hyponatremia and their association with diuretic therapy: Results from North India." J Family Med Prim Care 2019;8:3925-30.ISSN 2249-4863.
- 29. Pradhan A, Bhandari M, Gupta V, Vishwakarma P, Sethi R, Narain VS, Chaudhary G, Chandra S, Dwivedi S. "Short-Term Clinical Follow-Up After Thrombolytic Therapy in Patients With Prosthetic Valve Thrombosis: A Single-Center Experience." <a href="Mailto:Cardiol Res.">Cardiol Res.</u></a> 2019 Dec; 10(6):345-349.
- 30. Ramakrishnan S, Zachariah G, Gupta K, Shivkumar Rao J, Mohanan PP, Venugopal K, Sateesh S, Sethi R, et al." Prevalence of hypertension among Indian adults: Results from the great India blood pressure survey."

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- 31. <u>Chandra S, Gupta A, Chaudhary G, Narain VS, Dwivedi SK, Sethi R,</u> et al. "Safety and feasibility of sameday discharge after elective percutaneous balloon mitral valvotomy: a prospective, single-center registry in India." <u>Acta Cardiol.</u> 2019 Nov 8:1-8.
- 32. Monika Bhandari, Pravesh Vishwakarma, Rishi Sethi, Akshyaya Pradhan. "Stroke Complicating Acute ST Elevation Myocardial Infarction —Current Concepts." International Journal of Angiology, DOI <a href="https://doi.org/">https://doi.org/</a> 10.1055/s-0039-1695049.ISSN 1061-1711.
- Pradhan A, Vohra S, Vishwakarma P, Sethi R. "Medical Therapy for Eisenmenger Syndrome: A Case Report and Review of Literature." International Journal of Angiology, ISSN 1061-1711
- 34. Sharma SK, Rao RS, Chandra P, Goel PK, Bharadwaj P, Joseph G, Mahajan AU, Mehrotra S, Sengottovelu G, Ajit Kumar VK, Manjunath CN, Abhaichand RK, Seth A, Jose J, Sethi R. "First-in-Human Evaluation of Balloon Expandable Transcatheter Heart Valve in the Treatment of Severe Symptomatic Native Aortic Stenosis: The MyVal-1 Study." EuroIntervention. 2019 Oct 1.

- 35. <u>Gupta S, Verma R, Sethi R, Garg RK, Malhotra HS, Sharma PK, Rizvi I, Uniyal R</u>. "Cardiovascular complications and its relationship with functional outcomes in Guillain-Barré Syndrome". <u>QJM. An International Journal of Medicine</u>2019 Aug 29.
- 36. Pradhan A, Gupta V, Sethi R. Fimasartan : A new armament to fight hypertension. J Family Med Prim Care 2019;8:2184-8.Volume 8 : Issue 7 : July 2019
- Pradhan A, Vishwakarma P, Vankar S, Sethi R."The Unpredictable ABSORB" Very Late Stent Thrombosis of Bioresorbable Vascular Scaffold. <u>Heart Views.</u> 2019 Apr-Jun;20(2):65-69.
- 38. Bhandari M, Vishwakarma P, Pradhan A, and Sethi R. "Late presentation of anomalous left coronary artery arising from pulmonary artery with acute coronary syndrome." Avicenna J Med. 2019 Jul-Sep; 9(3): 115–118.
- 39. Pradhan A, Vohra S, Vishwakarma P, Sethi R. "Review on sodium-glucose cotransporter 2 inhibitor (SGLT2i) in diabetes mellitus and heart failure." J Family Med Prim Care 2019; 8:1855-62. Volume 8 / Issue 6 / June 2019.
- 40. Pradhan A, Saran M, Vishwakarma P, Sethi R. "Optical Coherence Tomography in In-Stent Restenosis: A Challenge Made Easier." Heart Views 2019;20:28-31.
- 41. Pradhan A, Gupta V, Bhandari M, Vishwakarma P, Sethi R. Post Coronary Artery Bypass Grafting Failure-Don't Always Blame the Blues!. SAGE Journals. Feb 14, 2019.Volume 12: 1–4,
- 42. Pradhan A, Vishwakarma P, Sethi R. "Landmark Trials in Cardiology in 2017—Celebrating 40 Years of Angioplasty." International Journal of Angiology. International Journal of Angiology. 2018 Sep;27(3):167-173.2018 Jul 5.
- 43. Guha S, Harikrishnan S, Ray S, Sethi R, Ramakrishnan S, Banerjee S."CSI position statement on management of heart failure in India". Indian Heart J. 2018 Nov Dec;70(6):952-953. Epub 2018 Nov 3.
- 44. Mishraa S, MohanJ.C, Nair T, ChopraV.K, HarikrishnanS, GuhaS, RamakrishnanS, Ray S, Sethi R, SamalU.C, Chandra KS. "Management protocols for chronic heart failure in India". Indian Heart Journal 70 (2018) 105–127.
- 45. Pradhan A, Vankar SG, Vishwakarma P, Sethi R.<u>'A snake and a crescent moon in a coronary angiogram'.</u>BMJ Case Rep. 2018 Jun 28;2018. pii: bcr-2018-225830. doi: 10.1136/bcr-2018-225830.
- 46. Pradhan A, Sharma R, Vishwakarma P, Sethi R, Narain VS. "Popcorn in the heart': Thromboemboli in transit during acute pulmonary embolism." Vasc Med. 2018 Mar 1:1358863X18762628
- 47. <u>Sethi R, Gupta P, Pradhan A, Saran M, Singh BRK, Vishwakarma P, Bhandari M, Chaudhary G, Chandra S, Sharma A, Dwivedi SK, Narain VS.</u> "Syndrome 'Z': A Predictor of Angiographic Severity of Coronary Artery Disease in Patients of Acute Coronary Syndrome." Heart, Lung and Circulation (2018), 1–7 1443-9506
- 48. Koo CY, Drager LF, Sethi R, Ho HH, Hein T, Jim MH, Tai BC, Zhang JJ, Lee CH. Sleep & Stent Study Investigators. Obstructive Sleep Apnea & Diabetes Independently Add to Cardiovascular Risk After Coronary Revascularization. Diabetes Care. 2018 Feb;41(2): 12-14
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- pacemaker therapy for sinus node dysfunction Real world data from South Asia. Indian Heart Journal 69 (2017) 607–612
- 50. Pradhan A, Vankar SG, Vishwakarma P, Sethi R. A ping-pong ball in left atrium. 2018.BMJ Journal.
- Pradhan A, Shukla A, Jain M, Mehrotra A, Sethi R. "Combined Thrombophilia in a Young Male Presenting as Life Threatening Pulmonary Embolism". 2017 Sep;11(9):OD03-OD04.
- 52. Ameta K, Gupta A, Kumar S, Sethi R, Kumar D, Mahdi AA. Essential hypertension: A filtered serum-based metabolomics study. Sci Rep. 2017 May 19;7(1):2153.
- 53. Guha S, Sethi R, Ray S, Bahl VK, Shanmugasundaram S, Kerkar P, Ramakrishnan S. <u>Cardiological Society of India: Position statement for the management of ST elevation myocardial infarction in India.</u> Indian Heart J. 2017 Apr;69 Suppl 1:S63-S97.
- 54. Ameta D, Kharwar RB, Aga P, Sethi R, Chandra S, Dwivedi SK, Narain VS, Saran RK.Bicuspid aortic valve with severe stenosis and ruptured sinus of Valsalva aneurysm to left ventricle.Indian Heart J. 2016 Sep;68 Suppl 2:S114-S117.
- Koo CY, de la Torre AS, Loo G, Torre MS, Zhang J, Duran-Cantolla J, Li R, Mayos M, Sethi R, et al. ffects of Ethnicity on the Prevalence of Obstructive Sleep Apnoea in Patients with Acute Coronary Syndrome: A Pooled Analysis of the ISAACC Trial and Sleep and Stent Study. Heart Lung Circ. 2016 Nov 15. pii: S1443-9506(16)31654-7.
- Verma P, Verma DK, Sethi R, Singh S, Krishna A . The rs2070895 (-250G/A) Single Nucleotide Polymorphism in Hepatic Lipase (HL) Gene and the Risk of Coronary Artery Disease in North Indian Population: A Case-Control Study. J Clin Diagn Res. 2016 Aug;10(8):GC01-6.
- 57. Yadav SS, Mandal RK, Singh MK, Dwivedi P, Sethi R, Usman K, Khattri S. "Cumulative Risk of Metabolic Syndrome Correlated with the Coexistence of (-1306C/T) and Altered Circulating MMP2 level. Experimental and Clinical Endocrinology & Diabetes". Exp Clin Endocrinol Diabetes. 2016 Jun;124(6):380-4.
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- 59. Singh P,Srivastava RK, Sethi R, Verma A, Natu SM, Babu S, Ali W. SCN5A (G892A) gene is associated with AV block conduction disorder in north Indian population. International Journal of Biomedical Research 2016; 7(01): 020-025.
- 60. Ameta K, Gupta A, Ameta D, Sethi R, Kumar D, Ahmad I, Mahdi AA.<u>1H NMR-Derived Metabolomics of Filtered Serum of Myocardial Ischemia in Unstable Angina Patients.</u>ClinChim Acta. 2016 May 1;456:56-62.
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PubMed Indexed

Research Publication Summary		Since 2016	
Citations	1018 829		
h-index	16 13		
i-10 index	27 19		
Publications with IF>2	20		
Publications with IF - 14.4	03		
Publications with IF – 16.5	04		

# BOOKS - EDITEDBOOKS - EDITED

2013-2014	Chandra P, Sethi R, Bhargava B, Yadav R. NIC Manual for Interventional Cardiologist 2015.New Delhi:Jaypee Publication;2015.
2014-2015	Guha S, Ramakrishnan S, Sethi R. CSI Handbook on Cardiac Critical Care.Chennai. Jaypee Publication;2016.
2015-2016	Khanna NN, Sethi R, Shivkumar J. NIC Manual for Interventional Cardiologist 2016.New Delhi:Jaypee Publication;2016.

### **CHAPTERS IN BOOKS/MONOGRAMS**

- 1. Saran RK, *Sethi R*, A Singh. How can we improve the Prognosis of Chronic Heart Failure? A Look Beyond the Heart. CSI Cardiology Update. Editor Amal Kumar Banerjee. 2009
- 2. Saran RK, **Sethi R**, Gupta S.Diastolic HF –How is it different from Systolic Heart Failure? CSI Cardiology Update 2008. New Delhi.Editor VK Bahl.2008
- 3. Pradhan A, **Sethi R**. Management of Non-ST- Elevation Acute Coronary Syndrome in Indian Patients. CSI Textbook of Cardiology. The Indian Perspective. 2018
- 4. Vishwakarma P, **Sethi R.** Ostial Coronary Lesions: Tips and Tricks for the Interventionist. Cardiological Society of India, Cardiology Update 2018. Editor-in-chief Goswami Kewal C.New Delhi: Jaypee Brothers 2018.
- 5. **Sethi R,** Pradhan A, Boddu Snigdha. Dynamic Auscultation. Essential of Post Graduate Cardiology. Editor-in-chief Goswami Kewal C. New Delhi: Evangel Publisher 2018.
- **6. Sethi R**, Pradhan A, Kumar S. "Good clinical practices in Cardiac cath. Lab. In: Khanna NN, Sethi R, Kumar S (Eds). NIC Handbook of Interventional cardiology: New Delhi, India: Jaypee Publishers, 2016.
- 7. **Sethi R,** Pradhan AK, Saran M. Balancing bleeding risk with risk of Embolism in AF: the eternal dilemma. In: Chandra KS, Bansal M (Eds). Cardiology Update 2017.

	GRANTS AND Trials Status	CLINIC	AL TRIAL	S .	
Sr. No.	Project Name	Start Year	End Year	Funding Agency	Total Funding Received
1	Improve Brady (Pacemaker)	2012	2019	INDIA MEDTRONIC PVT LTD	10 Lakh
2	<b>Sleep and Stent Study</b> -Role of sleep apnea in CAD	2013	2015	National University Heart Centre,Singapore	Non-Funding (Investigator Initiated)
3	Improve SCA (ICD)	2014	2017	INDIA MEDTRONIC PVT LTD	
4	The Great National BP Survey	2015	2015	Supported By Cardiological Society of India	
5	<b>"INVICTUS"-</b> Investigation of Rheumatic AF Treatment using vitamin K antagonist, Rivaroxaban or aspirin study.	2017	Ongoing	Population Health Research Institute(Canada)	25 Lakh
6	Myval (TAVI): A prospective multicenter, single arm, open label study of MyVal TM Transcatheter aortic valve replacement system in the treatment of severe symptomatic native aortic valve stenosis,"	2017	Ongoing	MERIL LIFE SCIENCES PVT LTD	53000/-
7	<b>Parallex</b> -A 24-week, randomized, double-blind, multi-centre, parallel group, active controlled study to evaluate the effect of LCZ696 on NT-proBNP, symptoms, exercise function and safety	2018	2019	NOVARTIS Healthcare Pvt Ltd.	5 Lakh
8	Systup Study	2019		Serdia Pharma	
9	INVICTUS Registry	2019	Ongoing	Population Health Research Institute(Canada)	
10	ACS-OCT-A prospective, multi-centric study to investigate the plaque characteristics and natural history of lesions in the non-culprit vessels in young Indian patients (<45 yrs.) with ACS undergoing PCI by optical Coherance Tomography (OCT) Imaging	2019	Ongoing	Batra Hospital and Medical Research Centre (BHMRC)	50000/-
11	"SELECT"-Semaglutide effects on cardiovascular outcomes in people with overweight or obesity	2019	Ongoing	Novo Nordisk	17 Lakh
12	ICMR-National Heart Failure Registry	2019	Ongoing	Indian Council of Medical Research	7.25 Lakh
13	AICVD-Artificial Intelligence CVD Study	2020		Microsoft India	
14	<b>Digoxin</b> in patient with RHD a randomized placebo controlled Study	2020		Indian Council of Medical Research	
15	<b>CABP-</b> Relationship and differences between Central Aortic and Peripheral Blood Pressure	2020		Eris Lifesciences Ltd	
16	Pristine Study	2020		Investigator driven	
17	<b>SIB-SHINE</b> ( School of International Biodesign- Synergizing Healthcare Innovation and Entrepreneurship)	2020		Department of Biotechnology GOI	9.89 Cr.
18	<b>Zeus</b> Study	2021		Novo Nordisk	

	INVITED LECTURES, ORATIONS AND PRESTIGIOUS MEETINGS				
S.N.	Title	Meeting	Place	Date	
1.	Lets Talk Clot	COVID-19 Vaccine and Thrombosis- Road Block or dead and street "Speaker"	Udaipur	11 September 2021	
2.	NOC Meeting	Lecture	Online	10 September 2021	
3.	CSI Heart Failure	Lecture	Online	14 August 2021	
4.	UCD Quiz	Quiz	Vitual	30 & 31 July	
5.	CSI-NIC-2021- 24 <sup>th</sup> July to 25 <sup>th</sup> July. 2021	Boot Camp – Coronary	Virtual Role - Chairperson	24 <sup>th</sup> July and 25 <sup>th</sup> July, 2021.	
6.	Primary PCI : Delayed presentation ( After 24 Hrs)	Stemming the STEMI From physician to intervention scientific program	Virtual	17 <sup>th</sup> , 18 <sup>th</sup> july 2021	
7.	Rovus Fundamentals Rotablation Masterclass (series 1 )	<u>Rota Programme</u>	<u>Online</u>	<u>03/July/2021</u>	
8.	Ischemic Heart Disease	Lecture MBBS 2020 Batch	<u>Online</u>	22 june 2021	
9.	'T-3 of LMCA Bifurcation Stenting.'	Cardio Master Class	Virtual MEET	24 & 25 April 2021	
10.	Discussion and wrap up	Advance Interventional Cardiology Conclave	<u>Virtual</u>	25 April 2021	
11.	Meeting of the executive committee	MedTech IIT Kanpur	<u>Online</u>	01/03/2021	
12.	Panel Discussion on Hypertension Management How low can we go?	Hypertension Management How low can we go?	<u>Online</u>	27/02/2021	
13.	Recent advances in HFpEF Management. 10 Management .10 key Issue	7 <sup>th</sup> annual conference of Heart Failure Association of India (HFAI2021)	<u>Online</u>	13/02/2021	
14.	Hyperaemia free indices for Functional Testing In Cath Lab	BIT-Summit 2021 (Dhaka ,Bangladesh)	<u>Online</u>	06/02/2021	
15.	Haemodynamic and Oxymetry Interpretation	Face the Examiners (FTE) Program 2021	<u>Online</u>	23/01/2021	
16.	Changing Paradigms in COVID19 Management	Webinar	Online	28 Nov 2020	
17.	Approaches in HF Evaluation- As Moderator	3 Spectrum of Heart Failure: 2020 & Beyond	Virtual Meet	26 Sep 2020	
18.	Non- invasive techniques to detect coronary artery disease	Cardiology Update2020	Virtual Meet	20 Sep2020	
19.	Facebook Live Recording		Virtual Meet	17 sep 2020	
20.	Web Discussion with IIT Kanpur		Virtual Meet	17 sep 2020	
21.	Medical Technologies & healthcare innovations on the front line	Hack & Reboot- A national level digital hackathon Nurturing MedTech Innovation in Academic Institution	Digital	3 Sep 2020	

22.	Present concept. Is it going to be a tailor made therapy?	UCD 2020 Conference	Online	1-2 Aug 2020
23.	ACC			25 <sup>th</sup> July 2020
24.	CME			23 <sup>rd</sup> July 2020
25.	APSIC			18 <sup>th</sup> July2020
26.	Holistic approach to HF management	Heart Failure Association of India	Online	1 <sup>st</sup> July 2020
27.	SEC	Meeting		25t June 2020
28.	САВР	Investigator Meeting		23 <sup>rd</sup> June2020
29.	СМЕ	CME	Online	21 <sup>st</sup> June 2020
30.	Importance of Rosuvastatin in ACS	Rozucor CME	Lucknow	07 March 2020
31.	Philosophical approach to management of stable CAD	Cardio metabolic Conclave	Lucknow	15 Feb 2020
32.	Interventional Therapy for Heart Failure: Approach and Challenges	CARDICON 2020	Lucknow	09 Feb 2020
33.	Tailoring angina treatment for a personalized medical management	Cardiology Master class	Lucknow	19 Jan 2020
34.	Management of patients Presenting Late After STEMI	CSICON 2019 71st Annual Conference	New Delhi	07 Dec 2019
35.	Pharmacotherapy In CAD- Which Antiplatelet Agent in ACS: Ticagrelor or Prasugrel	Imaging –Guided Complex Coronary Interventions (ICCI)	New Delhi	23-24 Nov 2019
36.	MedTech Entrepreneurship importance of Doctors and Physician handshake	Annual BSBE Symposium 2019	IIT Kanpur	01 Nov 2019
37.	Philosophy behind management of stable CAD	CSI West Bengal-Update in Cardiology, 2019	Kolkata	21 Sept 2019
38.	Keynote Address	"Cardiosphere 2019"	Ahmadabad	10 Sept 2019
39.	RAINBOW Evidence Review of stAtIN therapy in Acute Coronary Syndrome Based on Worldwide Evidence	ACS RAINBOW Adboard meet	Lucknow	08 Sept 2019
40.	OCT in Complex Angioplasty	Live workshop & CME	MAX, Dehradun	31 Aug 2019
41.	Recent Trials that changed my practice	Update in Cardiovascular Diseases 2019	Kolkata	04 Aug 2019
42.	Academic Ambience	Orientation at KGMU	Lucknow	02 Aug 2019
43.	Antiplatelet Therapy in clinical practice	CME (Cardiology)	Lucknow	27 July 2019
44.	People living with HIV but dying of NCDs	10th IAS 2019 Conference on HIV Science (Web)	Mexico	24 July 2019

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45.	Telemonitoring in Heart failure: My Patients needs it: Yes. Debate	CSI- National Heart Failure Conference 2019	Kochi, Kerala	21 July 2019
46.	Left main interventions - Have a NOBEL approach to EXCEL	Asia AICT PCR 2019	Singapore	06 July 2019
47.	Medical management of heart failure: what is new?	IJCTO	SGPGI, Lucknow	01 <sup>t</sup> June 2019
48.	Carotid artery stenting: Are the novel stents a hope or a hoax?	CSI-STEMI Council & STEMI-INDIA Conference	Kolkata	31 May 2019
49.	Use of diuretics in hypertension management	South Cross Connect 2019	Kochi	04 May2019
50.	Dynamic Auscultation	Post Graduate Master Class	Lucknow	28 April 2019
51.	Debate: Should all patients with chronic stable angina be treated with medical therapy alone?	North Cross Connect 2019	Delhi	13 April 2019
52.	Attended meeting as CSI Executive Member	CSI-NIC Mid Term Meet 2019	SGPGI, Lucknow	05 - 07 April 2019
53.	Cardiovascular Diabetes Confluence	Lucknow Diabetes Study Society	Lucknow	26 Feb 2019
54.	Controversies in Cardio- Diabeto- Renal Interface	API Lucknow CME	Lucknow	24 Feb 2019
55.	Case Presentation on Left main Bifurcation	CHIP CTO INDIA	New Delhi	20 Jan 2019
56.	Conferred - Fellowship of Royal College of Physicians (FRCP).	Fellowship Meeting	Edinburgh	16 Nov 2018
57.	SELECT NovoNordisk	Investigator Meeting	Kuala Lumpur	25 - 26 Oct 2018
58.	Hypertension in the Old/the Very Old	Hyderabad Live	Hyderabad	15 -16 Sep 2018
59.	Innovative Approaches in Interventional Cardiology	14 <sup>th</sup> AICT	Hong Kong	07 - 09 Sep 2018
60.	Pharmaco-invasive or PAMI: where to draw the line?	Cardiology Summit 2018	Goa	11 Aug 2018
61.	Quiz Master - Quiz for PDTs	Update in Cardio-vascular Diseases, 2018	ITC Sonar, Kolkata.	5 Aug 2018
62.	Enriching Cardiovascular cases of direct acting anticoagulants:	Cross Connect Symposium 2018	Kolkata	25-26 May 2018
63.	CSI National Interventional Council (NIC)	Mid Term Meet	Hyderabad	11-13 May 2018
64.	Heart failure Management	Workshop	Lucknow	28 Apr 2018
65.	Antithrombotic & Antiplatelet Update	EURO PCR NEED 2018 CME	New Delhi	22 Apr 2018
66.	Biomedical Innovation our Ground Zero	Tech Talk with Doc	IIT Kanpur	27 March 2018
67.	Risk stratification for management in ED/ICU	Presentation	Lucknow	16 Feb 2018
68.	Late Presentation of ACS	UPCSI Cardicon 2018	Varanasi	03-04 Feb 2018

69.	Managing Heart Failure in Diabetes	UPDA Scientific Symposium	Lucknow	14 Jan 2018
70.	Syndrome Z-A predictor of angiographically severe CAD in patients of acute coronary syndrome.	Dr. P C Deedwania CSI preventing Research Award	Kolkata	01 Dec 2017
71.	My worst nightmare	AICT Conference	Melbourne	21 Nov 2017
72.	Heart Failure Guidelines in Indian Context	Command Hospital CME	Lucknow	09 July 2017
73.	Management of Bifurcation Disease	Bifurcation Club of India	Mumbai	24 June 2017
74.	Changing Paradigm- Management of Heart Failure	Heart Failure CME	Lucknow	07 May 2017
75.	Late Presenter of MI	ACC Cardiology Update	MUMBAI	06 May 2017
76.	Bifurcation case presentation- How do I do it	APSIC, NIC	Lucknow	14 -15 Apr 2017
77.	Evolving Concepts in Management of Myocardial Infarction	35 <sup>th</sup> Annual Course of IMA	Kanpur	11 April 2017
78.	RASS inhibitors- Evolution and present status	Cardiology Update	Udaipur	08 April 2017
79.	How to Optimize chances of success in Hypertension	Hypertension Summit	Ho Chi Minh city	26 March 2017
80.	Live case on IFR (from Lisie Hospital, Cochin)	India Live 2017	New Delhi	02 March 2017
81.	Case in the Box	India Live 2017	New Delhi	03 March 2017
82.	Metabolic Management in Pre & Post PCI	UPCSI Conference	Lucknow	26 Feb 2017
83.	Dynamic Auscultation	Practice session for DM candidates	Hyderabad	03 Feb 2017
84.	Obstructive Sleep Apnoea	Genomics in cardiovascular disease	Delhi	28 Jan 2017
85.	ASIA PCR Singapore live	Bio flow Investigation Meeting	Singapore	19 Jan2017
86.	Unresolved issue in ST segment MI	Cardiology Beyond Guidelines	Hyderabad	07 Jan 2017
87.	Case based discussion	CSI Annual Conference 2016	Kochi, Kerala	07-10 Dec 2016
88.	Hypertension	CME	Lucknow	04 Dec 2016
89.	Trimetazidine in CAD	Web cast	Lucknow	28 Nov 2016
90.	Top 10 innovation Cardiology	Varanasi Live	Varanasi	20 Nov 2016
91.	New Drugs for Heart Failure	CSI Heart Failure	Patna	13 Nov 2016
92.	Management of totally occluded artery	ISC Annual Conference	Lucknow	02 Oct 2016

93.	Good Clinical Practices in Cath Lab	TCT India	New Delhi	04 Aug 2016
94.	Culprit vs. total Revascularization	TCT India	New Delhi	04 Aug 2016
95.	NOAC in AF	Cardiology Conclave	Lucknow	24 July 2016
96.	Case Presentation Stent Retrieval	Cardiology Conclave	New Delhi	24 July 2016
97.	Case Presentation LCX Om1 Stenting	Cardiology Conclave	New Delhi	01 July 2016
98.	FFR Guide Bifurcation Stenting	Bifurcation Summit	Mumbai	02 July 2016
99.	IVUS Guided Management of calcified Lesson	EIICCON	Kolkata	25 June 2016
100.	Diuretics in Hypertension	ASH	Lucknow	24 June 2016
101.	Contrast indeed Nephropathy	ізсто	Lucknow	04 June 2016
102.	Double whammy 2 CTO and bifurcation	IJCTO	Lucknow	04 June 2016
103.	Ethical Issue based case presentation	SCAI	Orlando	07 May 2016
104.	Case In Box	NIC	Hyderabad	15 April 2016
105.	Rotablation	CGR KGMU	Lucknow	12 March 2016
106.	Novel Agent for heart failure	UPCSI	Agra	05 March 2016
107.	Case Based Heart Failure Issue	CSI Annual Conference	Chennai	14 Feb 2016
108.	Quiz for Consultant	CSI Annual Conference	Chennai	14 Feb 2016
109.	Improve Brady Study	CSI Conference	Chennai	14 Feb 2016
110.	Live Case -Complex left main bifurcation	Nagpur Live	Nagpur	16 Jan 2016
111.	Newer Anti-platelets are better- Debate	Nagpur Live	Nagpur	16 Jan 2016
112.	My worst nightmare	AICT	Dhaka	13 Nov 2015
113.	How will I treat this case?	AICT	Dhaka	13 Nov 2015
114.	My most educative case	AICT	Dhaka	13 Nov 2015
115.	Guide Catheters	Mock Exam DM	Mumbai	07 Nov 2015
116.	Intravascular Ultrasound	Mock Exam DM	Mumbai	07 Nov 2015

117.	Top Ten Innovations in Cardiology	Varanasi	Varanasi	08 Nov 2015
118.	Interesting Case Presentation	ССТ	Kobe, Japan	30 Oct 2015
119.	Intravascular Imaging	Grand Rounds KGMU	Lucknow	10 Oct 2015
120.	World No Tobacco Day 2015 Tobacco and Cardiovascular Disease	World Association of journalists	Global Webinar	01 Sept 2015
121.	Management of HT in Diabetes	Indian Society of Cardiology Annual Meet	Ajmer	01 Sept 2015
122.	Newer Advances in Management of ACS	Indian Society of Cardiology Annual Meet	Ajmer	01 Sept 2015
123.	Hypertension-We should treat absolute risk	CSI Cardio-Prevent 2015	New Delhi	01 Sept 2015
124.	Statin in Primary Prevention Need of the Hour in Indian Population	Hypertension Summit	Lucknow	01 Aug 2015
125.	Diuretics in Hypertension The Unsolved Mystery	Hypertension Mega Conclave	Jaipur	01 Aug 2015
126.	Novel Agents in Heart Failure	CSI Heart Failure Annual Meeting 2015	Indore	01 Aug 2015
127.	FFR Guided Side Branch Interventions	Hyderabad Live 2015	Hyderabad	01 July 2015
128.	Improve Brady Data from KGMU	Trial Meeting	Hyderabad	01 July 2015
129.	Intra Vascular Imaging in BVS ERA	East India Interventional Cardiology Conclave	Kolkata	01 June 2015
130.	Double Whammy: Two CTOs and a Bifurcation of RIA	Indian Japanese CTO Club Annual Meeting 2015	Lucknow	01 June 2015
131.	Contrast Induced Nephropathy	Indian Japanese CTO Club Annual Meeting 2015	Lucknow	01 June 2015
132.	Relevance of Historical CABG vs. PCI Trials for Multi Vessel Disease in the Era of 3rd Generation DES	Asia Pacific Society of Cardiology Annual Meeting	Abu Dhabi	01 May 2015
133.	Post CABG Patient with Unstable Angina - How Will Approach	National Interventional Council Annual Meeting 2015	New Delhi	01 April 2015
134.	ECG Localization of Myocardial Infraction	Varanasi Live 2015	Varanasi	01 March 2015
135.	Secondary Hypertension	API Lucknow CME	Lucknow	01 Jan 2015
136.	Primary PCI in Acute Myocardial Infarction			01 Nov 2014
137.	Diuretics in Hypertension	Mega Heart Conclave 2015	Jaipur	01 Aug 2014
138.	Management of Hypertension in Diabetics with Reference to JNC VIII	IMA Meeting	Kanpur	01 April 2014
139.	Narrow Complex Tachycardia ECG Diagnosis	ICCON 2014	Lucknow	01 March 2014
140.	Ruptured Plaque During PCI for ACS - A Management Dilemma	Mediterranean Society Annual Meeting	Antalya Turkey	01 March 2014

141.	CSI 2014	Conference	Hyderabad.	Dec. 2014
142.	10 <sup>th</sup> AICT Congress.		Jakarta.Indonesia.	November 2014.
143.	ESC Congress 2014.		Barcelona.	Sep.2014
144.	Update in Cardiology and Cardiovascular Surgery (UCCVS).	10th International Congress of(UCCVS).	Antalya Turkey.	March 2014
145.	Asia PCR.			January 2014.
146.		AICT	Bangkok	November 2013
147.	Guest faculty Case Presentation	EURO-PCR.	Paris	May 2013
148.	Case Presentation	National Interventional Cardiology Meeting.	Kolkata.	April 2013.
149.	Annual Conference American College of Cardiology.	Conference	San Francisco.	March2013
150.	UP CARDICON 2013.		Lucknow.	February 2013.
151.	Management of Acute Coronary Syndrome	Varanasi Live 2013	Varanasi	Feb 2013
152.	AICT 2012.		New Delhi.	Oct 2012
153.	National Interventional Council Meeting	Council Meeting	Kochi	April 2012
154.	Moderated Complex Case Session	TCT Asia Pacific	Seoul. South Korea	April 2012
155.		India Live	New Delhi	Feb 2012
156.		CARDICON	Allahâbâd	Feb 2012
157.	My Most Challenging Case	India Liv	New Delhi	Feb 2012
158.		'Hridaya' Cardiology Present and Future.	Lucknow. India	Jan 2012
159.		Mid Term Conference of UP CSI.	Lucknow. India.	Sept 2012
160.	Obstructive Sleep Apnoea a New Cardiovascular Risk Factor	Cardiology Update 2013	Lucknow	01 Sep 2013
161.	Fractional flow Reserve Guided Coronary Intervention	Armed Forces Annual CME	Lucknow	01 Aug 2013
162.	Device closure of Atrial Septal Defects	Grand Round KGMU	Lucknow	01 May 2013
163.	Good Clinical Practices in Cath Lab	NIC 2013	Kolkata	01 April 2013
164.	Real Time 3D ECHO - Role in Interventional Cardiology - Latest Advances and future Development	UPCSI Annual Meeting 2013	Lucknow	01 Feb 2013
165.	Good Clinical Practices in Cath Lab	NIC	Kochi	01 April 2012

166.	'Buddy Balloon' Inflation in main Lumen	India Live 2013	New Delhi	01 April 2012
167.	Fractional Flow Reserve Versus Angiography	CARDICON	Allahabad	01 Feb 2012
168.	Role of Pressure wire & FFR	Grand Round FFR PCI	Lucknow	01 Feb 2012
169.	TG & HDL are more important targets in Indian Patients	Hridya Debate	Lucknow	01 Jan 2012
170.	Nebivolol - Is I the no worry Beta Blocker	Nebivolol	Lucknow	Nov 2011
171.	Singapore Cardiology Society Meeting.		Singapore	January 2011.
172.	Singapore AICT		Singapore.	2010
173.	PCR.Paris.		Paris.	May 2010
174.	Trans Catheter Therapeutics Conference (TCT).	Conference	San Francisco USA	September 2009.
175.	Comparative Assessment of IIb/IIIa Receptor Occupancy Ratio with Eptifibatide and Tirofiban. Poster.	TCT	San Francisco USA.	2009
176.	Emerging Markets Intervention Cardiology Summit	Summit	Vienna, Austria	August 2009.
177.	Rotaablation Workshop Organized by Escorts Hospital.		Apollo Hospital . New Delhi.	July 2009
178.	Asia Pacific Course in Peripheral Vascular Interventions.		New Delhi.	April 2009
179.	Acute Myocardial Infarction beyond 80 years of age	3rd AMI Course – Max Cardiovascular Institute.	New Delhi.	Jan.2008
180.	CAD International	Conference	Mumbai	Oct 2008
181.	Computers and informatics in medicine	5th SRNaik Memorial Workshop	SGPGIMS Lucknow.	August 2008
182.	"Triology ACS" Multicentric clinical trial.	Investigators Meet	Singapore.	August 2008
183.	Validating Angiographic Perfusion Score as a marker of major adverse outcomes in patient of Acute Coronary Syndrome undergoing Percutaneous Coronary Interventions.	TCT Asia Pacific Summit 2008.	Seoul,South Korea.	April 2008.
184.	Correlation between High Sensitivity C-Reactive Protein and Socioeconomic Class in patients undergoing Percutaneous Coronary Interventions	TCT Asia Pacific Summit 2008.	Seoul,South Korea.	April 2008.

185.	TCT Asia Pacific	Summit 2008.	Seoul,South Korea.	April2008.
186.	2nd Left Main and Bifurcation	Summit.	Seoul,South Korea.	April 2008.
187.	Faculty at-3 rd AMI Course	Max Cardiovascular Institute	New Delhi.	25-27 January.2008
188.	Award Session of the AV Gandhi Award for Excellence in Cardiology-2007(Gold Medal & Research Grant of Rs.75,000). for Best DM Thesis in India. Won the AV Gandhi Award			2007
189.	Oral presentation in the CSI Travel Award session "Poor Man's Risk Factor" Correlation between High Sensitivity C-Reactive Protein and Socio-economic Class in patients of Acute Coronary Syndrome"	59th Annual Conference of Cardiological Society of India	Hyderabad.	December 2007
190.	Award Session of "NATIONAL CARDIOLOGICAL SOCIETY OF INDIA TRAVEL AWARD for BEST RESEARCH PAPER"	Annual National Conference of The Cardiological Society of India (CSI),	Hyderabad,	December, <b>2007.</b>
191.	Update Course in Device Based Cardiac Rhythm Management Therapies .		Kolkota.	Nov. 2007 .
192.	Advance Course in Intervention Cardiology.(Organized by Crossroads Institute.Brussels).		New Delhi	2007.
193.	Pediatric Cardiology and Cardiac Catheterization.EHIRC.	Workshop	New Delhi	April2007
194.	ESC Experts Meet		Agra	2007
195.	Indian Society of Electrocardiography Annual Meeting	Meeting.	Hyderabad	2007 Feb
196.	UP CSI Annual conference	Conference	Lucknow	Feb. 2007
197.	Oral presentation titled "Impact of diabetes Mellitus on Epicardial and microvascular flow in patients of acute coronary syndrome undergoing coronary angioplasty"	58th Annual Conference of Cardiological Society of India	New Delhi	December 2006
198.	Oral presentation titled "Poor Man's Risk Factor" Correlation between High Sensitivity C-Reactive Protein and Socio-economic Class in patients of Acute Coronary Syndrome – A Pilot Study"	58th Annual Conference of Cardiological Society of India,	New Delhi.	2006
199.	2nd Asian Intervention Coronary Therapeutics International conference	Asia-Pacific Society of Interventional Cardiology	New Delhi,	1-4 Oct 2006

200.	INDO PAK Intervention Cardiology Meet	Meet.	JAIPUR	March 2006
201.	INDO FRENCH Intervention Cardiology Meet.	Meet	NEW DELHI	January 2006
202.	MID TERM PCI REGISTRY.	MID TERM Meeting	LUCKNOW	FEB 2006
203.	5 <sup>th</sup> MID TERM Meeting of ELECTROPHYSIOLOGY.	MID TERM Meeting	VARANASI	2005
204.	Oral presentation tiled "Correlation between socio-economic class, BMI & lipid levels in Indian patients with CAD"	57th Annual Conference of Cardiological Society of India.	Mumbai	December 2005.
205.	API UP CHAPTER		NAINITAL	2001

# GUIDE/CO-GUIDE FOR PHD, DM AND OTHER RESEARCH PROJECTS

	PhD	Year	Topic	Funding
	1 . 110	1 501	PhD Guide/Co-Guide	1 Griding
1.	PhD	2008	Small Dense LDL cholesterol & Lipoprotein A levels as Risk Factors in predicting CAD in North Indian Population	DST
2.	PhD	2012	Mutations & Susceptibility to cardiac conduction disorders	CSIR
3.	PhD	2014	A cross-sectional study on circulatory VEGF & miRNA 126 in angiographically proven CAD: Prediction & Clinical Importance	
4.	PhD	2015	Role of DNA methylation in the risk assessment of CAD	
5.	PhD	2017	Molecular association of Subjects with Metabolic Syndrome & effects evaluation of Flaxseed supplementation on Biochemical Parameters	CSIR
6.	PhD	2018	Utility of Soluble Lox-1 in Risk Assessment of patients of acute CAD	
7.	PhD	2020	Topic - "Appraisal of cardiac energetic metabolism using blood sample of cardiac hypertrophy (mild, moderate, and severe) subjects and 1H- as well as 31P-Nuclear Magnetic Resonance Spectroscopy (1H and 31P NMRS). Mr Sachendra kumar	ICMR
	DM Thesis			
1	DM	2016	Syndrome Z: A Predictor of Angiographic Severity of CAD in patients with Acute Coronary Syndrome	Published in Heart Lung and Circulation 2018
2	DM	2016	Delayed Pharmaco-invasive Strategy in Non-Occluded Arteries – Real World Outcome in STEMI Patients undergoing Delayed Percutaneous Coronary Intervention	
3	DM	2017	Impact of intense versus Routine Follow up on Clinical & Patient satisfaction in patients of ACS undergoing Percutaneous revascularization	
4	DM	2018	Comparison of Routine Versus Delayed Pharmacoinvasive Strategy of Non Occluded coronary artery in patients of acute STEMI	

5	DM	2018	Prevalence, Risk Factor profile & treatment outcome of Coronary Slow Flow phenomenon in angiographically normal Coronary Arteries	
6	DM	2019	Prevalence of Iron Deficiency & Impact of IV Iron in symptomatic heart failure patients	Poster presented in UPCSI (Dr Vikas Gupta)
7	DM	2019	Dynamic Effect of Changes in Left Ventricular End Diastolic Pressure on Instantaneous Wave Free Ratio Versus Fractional Flow Reserve	
8	DM	2019	Comparison of Traditional Versus Artificial Intelligence Based CAD Risk Prediction Scores in Young Patients with Acute CAD	
9	DM	2020	Year 2020, Topic" Impact of intense Smartphone application based routine verses follow – upon short term clinical outcomes in acute decompensated Heart Failure (ADHF ". Dr. Ajit Pratap Singh	
		Co	o-Guide for Thesis/Projects	
1	MSc Nursing	2019	Impact of Early Ambulation after Femoral Approach Coronary Intervention (FACI) on Patients Outcome By Anchal Gupta	
2	MBBS	2019	Profiling of High Risk Dietary Factors in Coronary Artery Disease Ms. Ritika Gupta(MBBS 2016)	
3	MD Physiology	2019	Association Between Ankle Brachial Index and Severity Of Coronary Artery Disease By Dr Akanksha Tondon (MD Physiology).	
4	MD Pathology	2020	Topic- Biochemical modulator of Endothelial cell functions with special interest to nitric Oxide (NO) & HDL Associated PON-1, SRB-1 Level: A Prospective Case Control Study in Coronary Artery Disease:" By Dr Manish Kumar (MD Pathology)	
5	M.sc Nursing	2020	Topic "Early Identification of hypertensive patients in apparently asymptomatic Cohort and risk stratification as per new AHA guidelines (2017) among non teaching employee of KGMU, Lucknow "Mr Devi Sahay Kumawat M.sc Nursing.	

6 MD Opthalmolog	2020	2020 - 2023 , Topic - " Assessment of stress in operating surgeons during phacoemulsification under topical anaesthesia" by Dr Devanand Bharti JR 1 <sup>st</sup> year (Ophthalmology ).	
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### LIFE MEMBERSHIP OF PEER SOCIETIES

- Cardiological Society of India (Life Member-L-3067)
- Fellowship of Asian Pacific Society of Interventional Cardiology. 2012
- Fellowship of American College of Cardiology. 2013
- Fellowship of Society of Catheterization Angiography and Intervention 2013
- Fellowship of European Society of Cardiology.2014
- Fellowship of Cardiological Society of India.2015
- Fellowship of Indian Society of Cardiology 2016.
- Member of National Academy of Medical Sciences, India (MAMS).2010
- Fellowship of Royal College of Physicians, Edinburgh (FRCP). 2017
- Fellowship of Royal College of Physicians , London (FRCP) 2021

### ABSTRACTS PUBLISHED IN INDEXED JOURNALS

### **INTERNATIONAL**

- Predictors of recurrence of Atrio-ventricular blocks after oral metoprolol in patients of thrombolysed acute inferior wall MI with recovered complete heart block. Ram Kirti Saran, Sudhanshu Dwivedi, Naveed Ahmed, Vikas Singh, Sharad Chandra, Rishi sethi, Aniket Puri, Varun S. Narain. J Am Coll Cardiol. 2012;59(13s1):E652-E652.
- Ivabradine produces similar improvement in exercise tolerance and hemodynamics in patients with mild to moderate mitral stenosis as compared to metoprolol. Ram Kirti Saran, Varun Narain, Daljeet Kaur, Sharad Chandra, Rishi Sethi, Aniket Puri, Sudhanshu K. Dwivedi J Am Coll Cardiol. 2012;59(13s1):E2034-E2034.
- Three-Year Follow-Up of Patients With ST-Segment Elevation Myocardial Infarction who Received Endothelial Progenitor Cell Capture Stent While Undergoing Primary Percutaneous Coronary Intervention. Rishi Sethi, Adrian Low, Ronald Chi Hang Lee, Swee Guan Teo, Mark Chan, Koo Hui Chan, Arthur Mark Richards, Huay Cheem Tan. J Am Coll Cardiol. 2012;59(13s1)
- Long-term clinical outcomes of medical therapy versus coronary revascularization in patients with intermediate stenosis guided by pressure wire. European Heart Journal ( 2011) 32 (Abstract Supplement), 992-993

- Predictive Value of NT Pro BNP for slow flow / No Reflow Phenomenon Am J Cardiology 2009;104:6-1110
- Comparative Assessment of IIb/IIIa Receptor Occupancy Ratio with Eptifibatide and Tirofiban . Am J Cardiology 2009;104:6-170
- Role of angiographic perfusion score to predict clinical outcomes in ACS patients undergoing PCI Circulation Volume, 2009, S232
- Prevalence of metabolic syndrome in patients presenting with acute coronary syndromes.
   Circulation Volume, 2009, S246.
- Predictive value of preprocedural NTProBNP level for development of no reflow/slow flow phenomenon . Circulation Volume, 2009, Page S226
- Assessment of Platelet Function Inhibition Using Flow Cytometry After Administration of Glycoprotein IIb/IIIa Receptor Blockers in High-Risk Acute Coronary Syndrome Patients Undergoing Percutaneous Coronary Intervention J. Am. Coll. Cardiol. 2009;53;A198-A230
- Impact of RVOT pacing on time course of inter-ventricular and intra-ventricular desynchrony. A six months follow up. European Heart Journal 2008; 29( supple); 413
- Single Centre experience with a new Paclitaxel-Eluting Stent System :Taxcor Stent .Am Journal of Cardiology 2008;101(8):7C
- Validating Angiographic Perfusion Score as a marker of major adverse outcomes in patient of Acute Coronary Syndrome undergoing Percutaneous Coronary Interventions. Am Journal of Cardiology 2008;101(8):42C
- Correlation between High Sensitivity C-Reactive Protein and Socioeconomic Class in patients undergoing Percutaneous Coronary Interventions. Am Journal of Cardiology 2008;101(8):78C

### **NATIONAL**

- Ischemia Modified Albumin: The Indian Experience. Indian Heart J 2006;58(5):396
- Initial Experience with Costar Cobolt-Chromium Paclitaxel Eluting Stent in the Real World Scenario. Indian Heart J 2006;58(5):413
- Results of Stenting using very long Pronova Stents. Indian Heart J 2006;58(5):430
- Single center experience with PronovaSirolimus Eluting Stents in the real world scenario.
   Indian Heart J 2006;58(5):431
- Direct stenting with PronovaSirolimus Eluting Stents. Indian Heart J 2006;58(5):432
- Thrombopulsion-A Poor Man's Intervention. Indian Heart J 2006;58(5):440
- Impact of diabetes Mellitus on Epicardial and microvascular flow in patients of acute coronary syndrome undergoing coronary angioplasty . Indian Heart J 2006;58(5):437
- "Poor Man's Risk Factor": Correlation between High Sensitivity C-Reactive Protein and Socio-economic Class in patients of Acute Coronary Syndrome – A Pilot Study. Indian Heart J 2006;58(5):479
- Correlation between socio-economic class, BMI & lipid levels in Indian patients with CAD Indian Heart Journal 2005:57(5): 381
- Tirofiban in percutaneous coronary intervention in a spectrum of CAD. Indian Heart Journal 2005:57(5):434
- Correlation of high sensitivity CRP (hs-crp) and angiographic CAD. Indian Heart Journal 2005:57(5): 406
- Predictive value of pre-procedural N-Terminal pro-B-Type Natriuretic peptide level for development of no-fellow and slow flow phenomenon in coronary artery disease patients who underwent PCI. Indian Heart Journal 2008;60(5)
- Effect of hyponatremia on in hospital adverse outcome in patient with ACS. . Indian Heart Journal 2008;60(5)
- A prospective randomized study to assess the efficacy of local antibiotic prophylaxis in pacemaker implantation. Indian Heart Journal 2008;60(5).
- Validation of TIMI myocardial perfusion grade with ECG resolution in thrombolysed patients of STEMI undergoing percutaneous intervention. Indian Heart Journal 2008;60(5).
- Incidence and impact of mild-moderate renal dysfunction in patients presenting as acute ST elevation myocardial Infarction: A pilot study Indian Heart Journal 2008;60(5).
- Cardiovascular epidemiological profile of an urban population in North India Indian Heart Journal 2008;60(5).

- Evaluation of the role of Stand Alone Intra Coronary Administration of Eptifibatide on short term outcomes of Percutaneous Coronary Intervention for Acute Coronary Syndrome. Indian Heart J2009;61:520
- Correlation of the Uses of Different GpIIb/IIIa Inhibitors with Rise in CK-MB in Patients Undergoing Percutaneous Intervention. Indian Heart J2009;61:503
- Effect of Hyponatremia on in–hospital Adverse outcome in patients with Acute Coronary
   Syndrome –An Extended Follow-up. Indian Heart J2009;61:510
- Clinical and Demographic Profile of Heart Failure With Normal Ejection fraction Patients-A Study from North India. Indian Heart J2009;61:537
- Prevalence of metabolic syndrome in patients presenting with acute coronary Syndromes: Indian scenario Indian Heart Journal 2008;60(5).
- Differential effect of Beta blockers on invasive central aortic pressure. Indian Heart Journ 2010:62;472.
- Abstract CSI 2012 -Prevalence of Erectile dysfunction in patients with CAD -Ram kirti saran MD ,DM Gaurav Chaudhary, MD, ,SKDwivedi MD ,DM,Varun Shankar Narain, MD, DM , Rishi Sethi, MD, DM, Sharad Chandra, MD, DM, AniketPuri, MD, DM.
- Abstract CSI 2012 Prevalence of cardiac conduction abnormality in patients taking smokeless tobacco -Ram kirti saran MD ,DM, ,SK Dwivedi MD ,DM,Varun Shankar Narain, MD, DM , Rishi Sethi, MD, DM, Sharad Chandra, MD, DM, AniketPuri, MD, DM .
   Gaurav Chaudhary, MD .
- Abstract CSI 2013 -Prevalence of Erectile dysfunction in patients with CAD undergoing coronary angiography -Ram kirti saran MD ,DM Gaurav Chaudhary, MD, ,SKDwivedi MD ,DM,Varun Shankar Narain, MD, DM , Rishi Sethi, MD, DM, Sharad Chandra, MD, DM.

### **PUBLICATIONS IN CONFERENCE VOLUMES**

- R Sethi, RK Saran. Raised Serum Creatinine a new Cardio-Vascular Risk Factor Update UP Chapter CSI (Editor Prof. N Sinha) MIDCON 2008.
- VS Narain, R Sethi, A Bansal.Role of Statins Beyond CAD. Medicine Update,UP Chapter API 2006.
- VS Narain, Puri A,N Gupta, Sethi R. Looking Beyond LDLCardiology Update UP Chapter CSI(Editor R Agarwal) MIDCON 2005

- Mittal N,TripathiSK,Sethi R,Somani M,Ramakant B.A Paradigm shift from a pure Bio-Medical model to an integrated socio-cultural and bio-medical model in TB control: Conference Vol. IUTLD Montreal 2002.
- Ramakant B,Ramakant P,Shankhdhar VK,Sethi R. Tobacco Cessation Movement in Lalpur Village. Conference Volume 12th World Conference on Tobacco and Health.Helsinki, Finland.2003
- Ramakant B,Ramakant P,Shankhdhar VK,Sethi R. Anti-Tobacco Education Sans Entertainment Versus Tobacco Promotion Entertainment Sans Education. Conference Volume 12th World Conference on Tobacco and Health.Helsinki, Finland.2003.
- Ramakant B,Ramakant P,Shankhdhar VK,Sethi R .Increasing surrogate tobacco advertising in non-metropolitan cities. Conference Volume 12th World Conference on Tobacco and Health. Helsinki, Finland.2003.
- Ramakant B,Ramakant P,Shankhdhar VK,Sethi R. Voluntary Youth movement in South Asia Conference Volume 12th World Conference on Tobacco and Health.Helsinki,Finland.2003.
- Ramakant B,Ramakant P,Shankhdhar VK,Sethi R. Tobacco Farmers can strengthen the Human Rights Arm of Anti-Tobacco Movement. Conference Volume 12th World Conference on Tobacco and Health. Helsinki, Finland.2003.

## EXTRACURRICULAR ACTIVITIES (PRIOR TRO THE CARDIOLOGIST LIFE)

### **Highlights of Academic Achievements:**

- Honours in Pathology and Obstetrics and Gynecology during MBBS.
- 10th Rank in State PG Entrance Examination 1999. (1st among 200 students of KGMC MBBS Batch)
- 1st Rank- All India DM Entrance Examination organized by CSMMU. 2004.

## **EXTRACURRICULAR ACTIVITIES:**

- Active in all forms of Public Speaking and Dramatic Competition up to National Level
- STUDENTS COUNCIL POSTS HELD
- Head Boy of St. Francis College Lucknow.1990-91
- Secretary Anatomical Society KGMC Lucknow 1992-93.
- Joint Secretary Dramatic Society KGMC Lucknow 1996-98.

