

# **CURRICULUM VITAE**

**PROF. AVIJIT LAHIRI**

**M.B., B.S., M.Sc., M.R.C.P, F.A.C.C., F.E.S.C**

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**DOB:** 22nd January, 1948  
**STATUS:** Married to Dr Chobi Lahiri, MB, BS, DRCOG  
**CHILDREN:** Dr Diya Lahiri, DIC MSc PhD and Dr Nayana Lahiri, BSc MB ChB

### **ACADEMIC QUALIFICATIONS**

M.B.B.S., 1972 Calcutta University.  
M.Sc.(Nuclear Medicine) 1981 University of London  
Joint Committee on Higher Medical Training: Certified in Nuclear Medicine(UK) - 1987  
Fellow of the American College of Cardiology (F.A.C.C.) - 1988  
Member of the Royal College of Physicians, (M.R.C.P) - 1993  
Fellow of the European Society of Cardiology, (F.E.S.C) - 1996

### **HONOURS**

Member, Royal College of Physicians: Category bylaw 177 (1993)  
The Howard Gilman Foundation Distinguished Visiting Scholar of  
Cornell University Medical School, New York, USA (1995)  
Visiting Professor, University of Beijing, People's Republic of China (1993)  
C Merit Awarded by Northwick Park & St Mark's NHS Trust (1995)

### **PRESENT APPOINTMENT**

Director  
Cardiac Imaging & Research Department  
Wellington Hospital  
Wellington Place  
London NW8 9LE  
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Honorary Clinical Senior Lecturer  
Imperial College of Science, Technology & Medicine  
National Heart and Lung Institute  
Sir Alexander Fleming Building  
Exhibition Road  
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[avijitlahiri@yahoo.com](mailto:avijitlahiri@yahoo.com)

**EDUCATION**

1. School

St. Xavier's School, Hazaribagh, India (1955 to 1964). Senior Cambridge 1965.

2. Calcutta National Medical College and Hospital (India)

Rotating Internship	- 1972 - 1973
Senior House Officer (Cardiology)	- 1973 - 1974
Senior House Officer (General Medicine)(Professorial Unit)	- 1975

**PREVIOUS APPOINTMENT - 1987-2004**

Director, Cardiac Research Department  
Chief Executive, NPH Cardiac Research Fund  
Honorary Consultant Cardiologist  
Department of Cardiovascular Medicine  
Northwick Park Hospital and Institute of Medical Research  
North West London Hospitals NHS Trust  
Watford Road, Harrow, Middlesex, HA1 3UJ, U.K.  
And  
Honorary Clinical Senior Lecturer  
St Mary's Hospital Medical School  
Praed Street, London, W2 1NY

## **THESIS**

MSc. In Nuclear Medicine: London University, 1981  
Pulmonary Uptake of Thallium -201.

## **PATENT APPLICATIONS**

1. Improvements Relating to Cardiac Monitoring. Miniaturised Cardiac Probe. Patent Application No. 8509150. 10th April, 1985.
2. Blood pool imaging agent. Cationic complexes of Technetium. Patent Application No. 8531296. 19th December, 1985.

## **RADIOISOTOPE LICENSE**

ARSAC (UK) RPC 265-15.

## **DEVELOPMENT OF A CARDIAC INSTRUMENTS**

### CARDIOSCINT

Oakfield Instruments and John Caunt & Co  
Oxon  
UK

## **MEDICAL EXPERIENCE**

1. Rotating Internship (House Officers) - for one year at Calcutta National Medical College.
2. Internal medicine: SHO in the Professorial Unit (Calcutta National Medical College). Worked with Prof. S. Biswas FRCP for 6 months. Involved in the management of a 50 bed medical unit and outpatient clinics.
3. Cardiology: SHO in Cardiology for one and a half years in a 30 bed Cardiology Department (Calcutta National Medical College). Worked with Prof. H.K. Bose MD, FACC. Responsible for running both the OPD and in-patient clinics for one year
4. London, 1975 onwards: Internal medicine: Responsible for the running of a 50 bed general medical unit at the German Hospital, Dalston, London for 6 months (1975-1976) as an SHO.
5. Cardiology, Northwick Park Hospital: From October 1976 onwards. Responsible for management of patients in the coronary care unit. Involved with the routine management of patients on the Cardiology/General Medical Ward with Dr. E.B. Raftery MD, FRCP, FACC (Consultant Cardiologist, upto 1995).

6. Out-patient clinics (Cardiology and Medical). Coronary care on-call rota for 12 years.
7. In charge of the 2 Research Clinics for 7 years.
8. Helped with the development and the running of the "Cardiac Rehabilitation Group at Northwick Park Hospital.
9. Specialist Cardiology Training:  
Northwick Park Hospital, 1977-1986.
10. In charge of Cardiac Research, from 1987.
11. Director and Fundraiser, Cardiac Research Department, from 1993.

### **ACHIEVEMENTS AT NORTHWICK PARK HOSPITAL.**

1. Responsible for setting up and for the development of the exercise laboratory (1976).
2. Responsible for the development of the nuclear cardiology facilities (1977).
3. Development of a miniature solid-state mercuric iodide radiation detector for continuous cardiac monitoring (1983).
4. Responsible for setting up the nuclear cardiology facilities at the Royal Airforce Hospital at Holton (1983).
5. Patent application:  
A new Caesium Iodide Photodiode for monitoring left ventricular volumes (1985) (patent).
6. Patent application:  
Development of a new phosphine ( $^{99m}\text{Tc}$  labelled - DEPIC) for blood pool radionuclide angiography (1986) (patent).
6. Development of the haemodynamic heart failure laboratory (1987).
8. Introduction of monoclonal antibodies for diagnostic and therapeutic studies in cardiovascular medicine at Northwick Park Hospital (1987).
9. Development of "Cardioscint": A portable detector/computer system for continuous monitoring of cardiac function (1988).
10. Development of myocardial perfusion using novel  $^{99m}\text{Tc}$  diphosphine agents (tetrofosmin) pre-clinical phase 1 trials. (1988).

11. Development of Carvedilol in heart failure (1985-present)
12. Development of techniques for simultaneous ambulatory pulmonary artery pressure, intra-arterial blood pressure and ST-segment monitoring (1989).
13. Founder member and Co-chairman of The Society of the International Congress of Nuclear Cardiology.(ICNC).
14. Development of Echocardiography services at Northwick Park Hospital (1992)
15. Educational Courses for GP's and Specialists
16. Organisation of Cardiac Research at NPH (1985 to 2004)
17. Administration of NPH Cardiac Research Fund (Charity) (1995 to 2004)
18. Fund Raising: Directly involved in raising approximately £8 million (since 1982) for NPH/CRF

	1997	1998	1999	2000
Income	£641,093	£652,989	£699,446	£467,000
Expenditure	£476,828	£490,932	£533,564	£579,000
Number of Studies Funded	15	16	14	14
Number of Employees	13 (6 doctors)	13 (6 doctors)	17 (9 doctors)	16 (8 doctors)

## TEACHING

1. I.T.U./C.C.U. staff.
2. M.R.C.P. students.
3. Nuclear Medicine Msc. Students.
4. Nursing staff.
5. Postgraduate lectures.
6. Supervising research projects for MD and Phd
7. Grand Rounds
8. Medical Students

## SUPERVISOR FOR MD AND Ph.D. THESIS

1. DETECTION OF HIGH RISK CORONARY ARTERY DISEASE BY THALLIUM-201 IMAGING.  
*M O' Hara*  
MD Thesis. Dublin (1986).
2. NON-INVASIVE RISK STRATIFICATION AFTER MYOCARDIAL INFARCTION  
*I Al-Khawaja*  
Phd Thesis. University of Surrey (1989)
3. CORONARY ARTERY DISEASE IN PATIENTS WITH PERIPHERAL VASCULAR DISEASE  
*E L Rose*  
MD Thesis. University of Oxford (1991)
4. AMBULATORY HAEMODYNAMIC MONITORING IN CORONARY ARTERY DISEASE  
*G S Brigden*  
MD Thesis. University of London (1992)
5. CONTINUOUS MONITORING OF LEFT VENTRICULAR FUNCTION AND THE ST-SEGMENT USING THE CARDIOSCINT  
*P Broadhurst*  
MD Thesis. University of Dundee (1992)
6. EVALUATION OF Tc-99m TETROFOSMIN IMAGING IN PATIENTS WITH CORONARY HEART DISEASE  
*B S Sridhara*  
Phd Thesis. University of Surrey (1994)
7. AMBULATORY BLOOD PRESSURE: PROGNOSTIC VALUE AND LONG-TERM ASSOCIATION WITH LEFT VENTRICULAR AND CAROTID ARTERY STRUCTURE  
*R S Khattar*  
MD Thesis. Southampton University (2000)
8. A COMPARISON OF THE EXTENT AND SEVERITY OF VASODILATOR STRESS-INDUCED MYOCARDIAL PERFUSION ABNORMALITY WITH Tc-99m SESTAMIBI and Tc-99m TETROFOSMIN SPECT IMAGING  
*P Soman*  
Phd Thesis. University of Surrey (2000)
9. J Swinburn  
MD Thesis
10. G Galasko  
MD Thesis
11. V Anand – Mphil - 2006  
PhD Thesis

## PhD Examiner

1. Dr Eliana Reyes – November 2009

## **MEMBERSHIP OF SOCIETIES**

1. British Cardiac Society
2. American College Of Cardiology
3. European Society of Cardiology: Committee Member of Working Groups-  
Nuclear Cardiology  
Echocardiography  
Cardiac MRI  
Heart Failure  
Drugs and Therapeutics
4. American Heart Association (Council Member: Clinical Cardiology and Cardiovascular Radiology)
5. American Society of Nuclear Cardiology (Founder Member & Committee Member)
7. British Heart Failure Society (Founder member)
8. European Association of Nuclear Medicine
9. International Society of Holter Monitoring (Founder Member)
10. British Nuclear Cardiology Society (Founder Member)
11. International Congress of Nuclear Cardiology (Co-Chairman and Founder)
12. Hampstead Medical Society
13. Independent Doctors Forum
14. British Museum Society

## **EDITOR**

Clinical Focus – 1997-1999

## **EDITORIAL BOARD**

Journal of Nuclear Cardiology  
Clinical Drug Investigation  
The Journal of Heart Failure  
The Open Cardiovascular Imaging Journal

## **JOURNAL REVIEW BOARD**

1. American Journal of Cardiology
2. Journal of the American College of Cardiology
3. Circulation
4. Heart
5. European Journal of Cardiology
6. Journal of Nuclear Cardiology
7. Journal of Nuclear Medicine
8. European Journal of Nuclear Medicine
9. Nuclear Medicine Communications
10. Journal of Non-invasive Cardiology

## **EXAMINER**

MD and PhD: UK  
PhD: Sweden

## **PUBLICATIONS (1)**

### **Peer Reviewed Publications**

1. Lahiri A, Raftery EB, Wilkins R, Millar Craig MW.  
Correlation of coronary arteriography, left ventricular angiography and graded treadmill exercise testing in the diagnosis of left ventricular aneurysm.  
Annals of Radiology 1979; 22: 4, 261
2. Lahiri A, Bala Subramanian V, Millar Craig MW, Crawley J, Raftery EB.  
Sudden death during ambulatory monitoring.  
British Medical Journal 1979; 1: 1676-1678
3. Lahiri A, Bala Subramanian V, Millar Craig MW, Crawley J, Raftery EB.  
Exercise induced ST-segment elevation - electrocardiographic, angiographic and scintigraphic evaluation.  
British Heart Journal 1980; 43: 582-588
4. Lahiri A, Bala Subramanian V, Millar Craig MW, Crawley J, Raftery EB.  
Exercise induced ST segment elevation in variant angina.  
American Journal of Cardiology 1980; 45: 4, 887-894
5. Bala Subramanian V, Lahiri A, Green HL, Stott FD, Raftery EB.  
Ambulatory ST-segment monitoring - problems, pitfalls, solutions and clinical applications.  
British Heart Journal 1980; 44: 4, 419-425
6. Lahiri A, Bala Subramanian V, Millar Craig MW, Raftery EB.  
Pain in the thenar eminence - a rare form of atypical angina.  
British Medical Journal 1980; 281: 782
7. Bala Subramanian V, Lahiri A, Paramasivam R, Raftery EB.  
Verapamil in chronic stable angina. A controlled study with computerised multistage treadmill exercise.  
Lancet 1980; April: 841-844
8. Bala Subramanian V, Lahiri A, Paramasivan R, Raftery EB.  
Verapamil in chronic stable angina: a controlled study with computerised multistage treadmill exercise.  
Clinical and Investigative Medicine 1980; 3: 1-2, 111-118
9. Lahiri A, Bala Subramanian V, Raftery EB.  
Lack of effect of disopyramide on chronic stable angina.  
Journal of Cardiovascular Pharmacology 1981; 3: 215-216
10. Millar Craig MW, Mann S, Bala Subramanian V, Lahiri A, Raftery EB.  
Continuous recording of intra-arterial blood pressure during graded bicycle ergometry and stair climbing in essential hypertension.  
Biotelemetry Patient Monitoring 1981; 8: 33-46

11. Lahiri A, Bala Subramanian V, Raftery EB.  
The effect of disopyramide on ventricular arrhythmias during treadmill exercise testing.  
Asian Journal of Clinical Sciences 1981; Vol 2; No. 3
12. Shaw LMA, Lahiri A, Millar Craig MW.  
Electrocardiographic changes following a cardiac stab wound.  
Postgraduate Medical Journal 1981; 57: 120-122
13. Bala Subramanian V, Bowles MJ, Lahiri A, Davies AB, Raftery EB.  
Long Term Antianginal Action Of Verapamil: An Objective Study.  
American Journal Cardiology 1981; 48: 529-535
14. Lahiri A, Spencer J, Crawley JW, Raftery EB.  
Pulmonary uptake of thallium-201 in acute pulmonary oedema.  
British Journal of Radiology 1982; 55: 460-462
15. Lahiri A, Carboni GP, Crawley JCW, Raftery EB.  
Reversible ischaemia of the right ventricle detected by exercise thallium-201 scintigraphy.  
British Heart Journal 1982; 48: 260-264
16. Lahiri A, Sonecha TN, Raftery EB.  
Vasodilators in heart failure.  
British Medical Journal 1982; 284: 1788
17. Lahiri A, Crawley JCW, Sonecha TN, Raftery EB.  
Acute and chronic effects of sustained action buccal nitroglycerin in severe congestive heart failure.  
International Journal of Cardiology 1984; 5: 39-48
18. Lahiri A, Crawley JCW, Jones RI, Bowles MJ, Raftery EB.  
A non-invasive technique for continuous monitoring of left ventricular function using a new solid state mercuric iodide radiation detector.  
Clinical Science 1984; 66: 551-556
19. Lahiri A, O'Hara M, Bowles MJ, Crawley JCW, Raftery EB.  
Influence of left ventricular function and severity of coronary artery disease on exercise-induced pulmonary thallium-201 uptake.  
International Journal of Cardiology 1984; 5: 475-490
20. Lahiri A, Bowles MJ, Jones RI, Crawley JCW, Raftery EB.  
Assessment Of Left Ventricular Function In Coronary Artery Disease With The Nuclear Probe During Intervention Studies.  
British Heart Journal 1984; 52: 422-430
21. Prouse PJ, Lahiri A, Gumpel JM.  
The crest syndrome. Successful reduction of pulmonary hypertension by captopril.  
Post Graduate Medical Journal 1984; 60: 30-32

22. Lahiri A, Robinson C, Tovey J, Caruana M, Kohli R, Raftery EB. Intravenous infusion of nicardipine in patients with heart failure: a nuclear stethoscope assessment. *Postgraduate Medical Journal* 1984; 60: Suppl 4; 19-22
23. O'Hara MJ, Lahiri A, Whittington JR, Crawley JCW, Raftery EB. The detection of high risk coronary artery disease by thallium imaging. *British Heart Journal* 1985; 53: 616-623
24. Khurmi NS, Bowles MJ, O'Hara MJ, Lahiri A, Raftery EB. Ambulatory monitoring and exercise testing in the evaluation of a new long-acting calcium ion antagonist Kb-944 (Fostedil) for the treatment of exertional angina. *International Journal of Cardiology* 1985; 9: 289-302
25. Kohli RS, Khurmi NS, Kardash MM, Hughes LO, Lahiri A, Raftery EB. Efficacy of once daily bisoprolol in stable angina pectoris: an objective comparison with atenolol and long term follow-up. *European Heart Journal* 1985; 6: 845-850
26. Lahiri A, Robinson CW, Kohli RS, Caruana MJ. Acute and chronic effects of nicardipine on systolic and diastolic left ventricular performance in patients with heart failure: a pilot study. *Clinical Cardiology* 1986; 9: 257-261
27. O'Hara M, Jones RI, Lahiri A, Raftery EB. Changes in left ventricular function during exercise and their relationship to ST segment changes in patients with angina. *British Heart Journal* 1986; 55: 148-154
28. Jones RI, Lahiri A, Cashman PMM, Dore C, Raftery EB. Left ventricular function during isometric hand grip and cold stress in normal subjects. *British Heart Journal* 1986; 55: 246-52
29. Lahiri A, Zanelli GD, O'Hara MJ, Bowles MJ, Jones RI, Cave APD, Raftery EB. Simultaneous measurement of left ventricular function and myocardial perfusion during a single exercise test: dual isotope imaging with gold-195m and thallium-201. *European Heart Journal* 1986; 7: 493-500
30. Caruana M, Jones R, Lahiri A, Brigden G, Rodrigues E, Dore C, Raftery EB. A comprehensive clinical validation of the nuclear stethoscope. *Nuclear Medicine Communications* 1986; 7: 717-728
31. Lahiri A, Carboni GP, Raftery EB. Rapid effects of sustained release buccal nitroglycerin in acute heart failure. *Annals of Internal Medicine* 1986; 105: 141
32. Transmucosal and transdermal nitroglycerin delivery systems for prevention of chronic stable angina pectoris. Khurmi NS, O'Hara MJ, Bowles MJ, Whittington JR, Lahiri A, Raftery EB. *British Journal of Clinical Practice* 1986; May: 187-191

33. Rodrigues EA, Lahiri A, Hughes LO, Kohli RS, Whittington JR, Raftery EB.  
Anti-anginal efficiency of carvedilol, a betablocker with vasodilating activity.  
American Journal of Cardiology 1986; 58: 916-921
34. Kohli RS, Rodrigues EA, Khurmi NS, Lahiri A, Raftery EB.  
Sustained release verapamil - a once-daily preparation. Objective evaluation using  
exercise testing, ambulatory monitoring and blood levels in patients with stable angina.  
Journal of American College of Cardiology 1987; 9: 615-621
35. Heber ME, Brigden GS, Caruana MP, Lahiri A, Raftery EB.  
Carvedilol for systemic hypertension.  
American Journal of Cardiology 1987; 59: 400-405
36. Hughes LO, Lahiri A.  
Improvement in indices of myocardial ischaemia in a case of hypertrophic obstructive  
cardiomyopathy treated with verapamil.  
Nuclear Medicine Communications 1987; 8: 177-182
37. Hains ADB, Al-Khawaja I, Hinge DA, Lahiri A, Raftery EB.  
Radionuclide left ventricular ejection fraction: a comparison of three methods.  
British Heart Journal 1987; 57: 242-246
38. Rodrigues EA, Lahiri A, Hinge DA, Smith T, Crawley JCW, Raftery EB.  
A new method of imaging the right ventricle using peripheral vein infusion of xenon-127.  
European Journal of Nuclear Medicine 1987; 12: 617-619
39. Lahiri A, Rodrigues EA, Al-Khawaja I, Raftery EB.  
Effects of a new vasodilating beta-blocker (carvedilol) on left ventricular function in  
stable angina pectoris.  
American Journal of Cardiology 1987; 59: 769-774
40. Rodrigues EA, Lahiri A, Raftery EB.  
Improvement in left ventricular diastolic function in patients with stable angina after  
chronic treatment with verapamil and nifedipine.  
European Heart Journal 1987; 8: 624-629
41. Carboni GP, Lahiri A, Cashman PMM, Raftery EB.  
Ambulatory heart rate and ST-segment depression during painful and silent myocardial  
ischaemia in chronic stable angina.  
American Journal of Cardiology 1987; 59: 1029-1034
42. Zanelli GD, Lahiri A, Patel N, Smith T, Brady F, Radfar G, Cook ND, Crawley JCW,  
Silvester DJ.  
Animal and human studies of a new <sup>99m</sup>Tc labelled phosphine - isocyanide complex with  
possible applications to radionuclide ventriculography.  
European Journal of Nuclear Medicine 1987; 13: 12-17
43. Brigden G, Heber ME, Caruana MP, Lahiri A, Raftery EB.  
The efficacy of celiprolol in hypertension: twenty four hour blood pressure profiles and  
left ventricular function.  
Journal of Hypertension 1987; 5 (suppl 5): S539-S541

44. Carboni GP, Lahiri A, Cashman PMM, Raftery EB.  
Mechanisms of arrhythmias accompanying ST-segment depression on ambulatory monitoring in stable angina.  
American Journal of Cardiology 1987; 60: 1246-1253
45. Caruana M, Al-Khawaja I, Lahiri A, Lewis J, Raftery EB.  
Radionuclide measurements of diastolic function for assessing early left ventricular abnormalities in the hypertensive patient.  
British Heart Journal 1988; 59: 218-226
46. Rodrigues EA, Kohli RS, Hains ADB, Lahiri A, Raftery EB.  
Comparison of nicardipine and verapamil in the management of chronic stable angina.  
International J Cardiology 1988; 18: 357-369
47. Heber ME, Brigden GS, Prince H, Lahiri A, Raftery EB.  
Is there a relationship between ambulatory intra-arterial blood pressure and left ventricular function?  
Hypertension 1988; 5: 464-469
48. Kohli RS, Cashman PMM, Lahiri A, Raftery EB.  
The ST-segment of the ambulatory electrocardiogram in a normal population.  
British Heart Journal 1988; 60: 4-16
49. Rodrigues EA, Lawrence JD, Dasgupta P, Haind ABD, Lahiri A, Wilkinson P, Raftery EB.  
Comparison of bevantolol and atenolol in chronic stable angina.  
American Journal of Cardiology 1988; 61: 1204-1209
50. Al-Khawaja IM, Lahiri A, Raftery EB.  
Measurement of absolute left ventricular volume by radionuclide angiography: a technical review.  
Nuclear Medicine Communications 1988; 9: 495-504
51. Zanelli GD, Cook N, Lahiri A, Ellison D, Webbon P, Woolley G.  
Protein binding studies of technetium-99m-labelled phosphine and isocyanide cationic complexes.  
Journal of Nuclear Medicine 1988; 29: 62-67
52. Caruana MP, Lahiri A, Cashman PMM, Altman D, Raftery EB.  
Effects of chronic congestive heart failure secondary to coronary artery disease on the circadian rhythm of blood pressure and heart rate.  
American Journal of Cardiology 1988; 62: 755-759
53. Al-Khawaja IM, Lahiri A, Rodrigues EA, Heber ME, Raftery EB.  
Clinical significance of exercise-induced pulmonary uptake of thallium-201 in uncomplicated myocardial infarction.  
American Journal of Cardiac Imaging 1988; 2: 135-141

54. Jain D, Lahiri A, Crawley JCW, Raftery EB.  
Post-mortem correlation between histopathologic and autoradiographic extent of myocardial necrosis detected by In-111-antimyosin imaging in a patient with acute myocardial infarction.  
American Journal of Cardiac Imaging 1988; 2:158-161
55. Kohli RS, Khurmi NS, Kardash MM, Lahiri A, Raftery EB.  
Oral nitroglycerin in angina pectoris - evaluation of effect of computerised exercise testing using two different doses.  
Cardiovascular Drugs and Therapy 1988; 2: 523-528
56. Heber M, Brigden GS, Caruana MP, Lahiri A, Raftery EB.  
First dose response and 24 hour antihypertensive efficacy of the new once daily angiotensin converting enzyme inhibitor, ramipril.  
American Journal of Cardiology 1988; 62: 239-245
57. Al-Khawaja IM, Rodrigues EA, Lahiri A, Raftery EB.  
Exercise-induced changes in pulmonary blood volume in patients with uncomplicated myocardial infarction: a critical appraisal.  
American Journal of Non-invasive Cardiology 1989; 2: 189-194
58. Rodrigues EA, Lahiri A, Hinge DA, Raftery EB.  
Left ventricular diastolic function in patients with chronic stable angina: comparison with normal subjects.  
American Journal of Non-invasive Cardiology 1989; 2: 244-254
59. Jain D, Lahiri A, Crawley JCW, Raftery EB.  
New developments in the field of acute myocardial infarction imaging.  
British Journal Radiology 1989, 62: 294-295
60. Hughes LO, Heber ME, Lahiri A, Harries M, Raftery EB.  
Haemodynamic advantage of the valsalva manoeuvre during heavy resistance training.  
European Heart Journal 1989; 10: 896-902
61. Hughes LO, Dasgupta P, Jain D, Lahiri A, Raftery EB.  
Lack of effect of asymmetrical dosage timing of isosorbide 5-mononitrate on nitrate tolerance during term administration.  
European Journal of Clinical Pharmacology 1989; 36: 139-144
62. Hughes LO, Lahiri A, Raftery EB.  
Myocardial perfusion with isolated t-wave normalization on exercise following myocardial infarction.  
American Journal of Cardiac Imaging 1989; 3: 124-129
63. Lahiri A, Bowles MB, Brigden G, Whittington JR, Duffy SW, Raftery EB.  
Buccal nitroglycerin and intravenous isosorbide dinitrate in unstable angina: a double blind of acute administration.  
American Journal of Non-Invasive Cardiology 1989; 3: 281-289

64. Rodrigues EA, Caruana MP, Lahiri A, Nabarro JD, Jacobs HS, Raftery EB.  
Subclinical cardiac dysfunction in acromegaly: evidence for a specific heart muscle disease.  
British Heart Journal 1989; 62: 185-194
65. Heber ME, Rodrigues EA, Al-Khawaja I, Lahiri A, Raftery EB.  
Diagnostic limitation of exercise gated radionuclide ventriculography in coronary artery disease.  
American Journal of Cardiac Imaging 1989; 3: 308-313
66. Heber ME, Lahiri A, Thompson D, Raftery EB.  
Baroreceptor, not left ventricular, dysfunction is the cause of haemodialysis hypotension.  
Clinical Nephrology 1989; 32: 79-86
67. Broadhurst P, Wilkins R, Lahiri A.  
Fibrin monoclonal antibodies in diagnosis of deep venous thrombosis.  
The Lancet 1989; July 29: 272-273
68. Brigden G, Heber M, Caruana M, Lahiri A, Raftery EB.  
Once daily nisoldipine in hypertension: cuff and ambulatory intra-arterial blood pressure.  
European Journal of Pharmacology 1989; 37: 551-554
69. Khurmi NS, Kohli RS, Lahiri A, Raftery EB.  
Oral nitroglycerin in chronic stable angina: a double-blind evaluation.  
American Journal of Noninvasive Cardiology 1989; 3: 176-180
70. Jain D, Lahiri A, Raftery EB.  
Clinical and prognostic significance of lung thallium uptake in acute myocardial infarction.  
American Journal of Cardiology 1990; 65: 154-159
71. Lahiri A, Rodrigues EA, Carboni GP, Raftery EB.  
Effects of chronic treatment with calcium antagonists on left ventricular diastolic function in stable angina and heart failure.  
Circulation 1990; 81: Suppl III; 130-138
72. Jain D, Dasgupta P, Hughes LO, Lahiri A, Raftery EB.  
Ranolazine (RS-43285): a preliminary study of a new antianginal agent with selective effect on ischaemic myocardium.  
European Journal of Clinical Pharmacology 1990; 30: 111-114
73. Brigden GS, Zanelli GD, Lahiri A, Raftery EB.  
Blood pool ventriculography with a new technetium labelled complex ( $^{99m}\text{Tc}$  Depic): a clinical evaluation.  
European Journal of Nuclear Medicine 1990; 16: 795-799
74. Jain D, Crawley JCW, Lahiri A, Raftery EB.  
Indium-111 antimyosin images compared with triphenyl tetrazolium chloride staining in a patient 6 days after myocardial infarction.  
Journal of Nuclear Medicine 1990; 31: 231-233

75. Jain D, Lahiri A, Raftery EB.  
Immunoscintigraphy for detecting acute myocardial infarction without electrocardiographic changes.  
British Medical Journal 1990; 300: 151-153
76. Broadhurst P, Brigden G, Dasgupta P, Lahiri A, Raftery EB.  
Ambulatory blood pressure in normal subjects.  
American Heart Journal 1990; 120: 160-166
77. Rodrigues EA, Lahiri A, Raftery EB.  
Subtle ventricular dysfunction following coronary artery bypass surgery: evidence from radionuclide studies.  
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16.    Lim ETS, Anand DV, Lahiri A  
Noninvasive Assessment of Asymptomatic Individuals at Risk of coronary heart disease.  
Part a  
In: Noninvasive Imaging of myocardial Ischaemia. Publ. Springer  
Ed. Anagnostopoulos, Nihoyiannopoulos, Bax and Van der Wall; 107-136 (2006)
  
17.    Venuraju S, Yerramasu A, Goodman D, Lahiri A  
Coronary calcium imaging ..... Clinical Implications  
Clinical Nuclear Cardiology  
Ed. Zaret BL and Beller GA

## **INVITED LECTURES**

1. Hammersmith Hospital and Postgraduate Medical School: London (1980). The significance of ST-segment elevation during exercise in patients with previous infarction.
2. Cardiothoracic Centre, Bordeaux, France (1981). Computerised exercise systems.
3. Military Hospital, Athens, Greece (1982). Exercise testing and diagnosis of CAD.
4. Postgraduate Meetings for General Physicians, Northwick Park Hospital, Harrow (1982).
5. Postgraduate Medical Lectures, Watford (1982). New methods of early detection of CAD.
6. Postgraduate Medical Centre, Northwick Park Hospital, (1982). Thallium imaging; its role in the diagnosis of CAD.
7. Junior Cardiac Club, London (1983). Nuclear Probes in Cardiology: methods of use and validation.
8. University of Liverpool, Medical School (1983). Nuclear Cardiology.
9. Postgraduate Meeting, Ealing Hospital, London (1983). Nuclear Cardiology: Cardiac function studies and drug therapy in heart failure.
10. Kings College Hospital, London (1983). Intervention studies in patients with CAD with the Nuclear Stethoscope.
11. Captopril Meeting, Paris (1983). Radionuclide angiography for estimating therapeutic effect in CCF.
12. MEDA Cardiovascular lectures (Swedish Cardiologists) (1983). Nuclear Cardiology.
13. Manchester General Hospital, Manchester (1983). Nuclear Cardiology.
14. Liverpool Hospital (1983). Nuclear probes in cardiology.
15. Postgraduate Meeting, Edinburgh (1983). Role of nuclear cardiology in diagnosis and management of patients with coronary disease.
16. Glasgow (2 lectures) (1983). Nuclear Cardiology.
17. Ludwigshaven, W. Germany (1983). Assessment of antianginal drugs.
18. Radcliffe Infirmary, Oxford (1983). Nuclear Stethoscope and its applications.
19. Postgraduate lecture, Sheffield (1983). Nuclear Cardiology; modern concepts.
20. Postgraduate lectures in China. Invited by the Government of China (Shanghai, 2 in Peking, Harbin) (1983). Nuclear Cardiology; recent trends.

21. British Institute of Radiology, Postgraduate Lectures, London (1984). Nuclear Cardiology.
22. Ramkrishna Mission Hospital, Calcutta, India (1984). The place of nuclear cardiology in assessment of the heart patient.
23. All India Institute of Medical Science, Delhi (1984). Nuclear Cardiology.
24. Royal Gwent Hospital, Newport (1984). Vasodilators in the management of heart failure.
25. Royal Sussex County Hospital, Guildford (1984). Nitrates: mechanism of action in CCF.
26. Freeman Hospital, Newcastle (1984). Nuclear Cardiology: where does it stand?
27. Swansea Postgraduate Medical Centre (1984). Role of nuclear cardiology.
28. Chairman, Cardiac Sessions; British Nuclear Medicine Society (Annual Meeting), Imperial College (1984).
29. Wythenshaw Hospital, Manchester (1984). Nuclear cardiology: new concepts.
30. Charring Cross Hospital, London (1984). The nuclear stethoscope.
31. Edgware General Hospital, London (1984). The role of nuclear cardiology in clinical cardiology.
32. British Nuclear Cardiology Group: A Seminar on the Nuclear Stethoscope (1984).
33. Stockholm, Sweden (1984). Haemodynamic changes induced by nitrates in heart failure.
34. Lausanne, Switzerland (1984). Pressure - Volume relationship: Nuclear probes in Cardiology.
35. Dublin, Ireland (1984). Nuclear Cardiology.
36. Wrexham Hospital (1984). Non-invasive diagnosis of CAD.
37. MEDA Lectures, Swedish Doctors, London (1985). Thallium or RNV? For the diagnosis of CAD.
38. Revlon, Eastbourne (1985). The state-of-the-art non-invasive cardiology.
39. Postgraduate Course in Cardiology; Course organised the European Society of Cardiology and American Heart Association, Davos, Switzerland (1985).
40. Whittington Hospital, Manchester (1985). Review of Nuclear Cardiology.
41. Plymouth General Hospital (1985). Postgraduate Medical Lecture: Nuclear Cardiology.

42. Chairman, Cardiac Sessions, European Congress of Nuclear Medicine, London (1985).
43. Leeds Castle, Symposium on Nitrates (1985).
44. Yale University, U.S.A. (1985). Guest lecture: Nuclear probe in cardiology.
45. Cedars Sinai Hospital, L.A., U.S.A.(1985). Intervention studies with the Nuclear Stethoscope.
46. Milwaukee, Marquette Electronics, U.S.A. (1986). Miniature Nuclear Probe.
47. Exercise Testing Meeting, Tucson, Arizona, U.S.A. (1986). Advances in miniature radiation detectors for continuous monitoring of LV function.
48. Cardiothoracic Unit, Sheffield (1986). Nuclear Cardiology: changing concepts.
49. Leicester Royal Infirmary (1986). Advances in nuclear cardiology.
50. Royal Derby Hospital, Derby (1986). Current trends in Nuclear Cardiology.
51. Wellington Hospital, Delhi, India (1986). Role of nuclear cardiology in the management of ischaemic heart disease patients.
52. Chairman, Cardiac Sessions, British Nuclear Medicine Society, London (1986).
53. Carvedilol Symposium, Malta (1986). Left ventricular function changes induced by a new vasodilating beta-blocker.
54. West Middlesex Hospital, London (1986).
55. University of Virginia Medical School, Charlottesville, Virginia, USA. Guest lecture: Beat-to-beat LV function studies with miniature radiation detectors.
56. International Meeting of Cardiopulmonary Diseases, Calcutta, India (1987).
  - Chairperson : Calcium Antagonist
  - Key Note Lecture : Silent Myocardial ischaemia.
  - Teaching Lectures : (1) Myocardial perfusion scintigraphy;
  - (2) Nuclear probes in cardiology.
57. Exercise symposium, Tucson, Arizona, U.S.A. (1987) Sponsored by Marquette Electronics. Ambulatory monitoring and silent myocardial ischaemia.
58. Royal Northern Hospital, Manchester. Postgraduate meeting (1987). Silent Ischaemia.
59. Belver Castle, England (1987). Guest Speaker, Symposium on Silent Myocardial Ischaemia.
60. The 12th Annual Nuclear Cardiology Symposium and Workshop, University of Wisconsin, Milwaukee, USA (1987). Faculty Member.
  - Lectures: 1. Antimyosin antibody imaging for detection of acute myocardial Infarction.
  - 2. Non-imaging nuclear probes and interventional cardiology.

61. Combined Action of Multiple Antihypertensive Mechanisms. Satellite Symposium, International Society of Hypertension, Kyoto, Japan, May 1988.  
Title: Effects of Carvedilol on Left Ventricular Function in Essential Hypertension.
62. Biotechnology and Nuclear Cardiology: A New Frontier. Satellite Symposium, Nuclear Medicine Society, San Francisco, June 1988.  
Title: Functional Significance of Extensive Uptake of Indium-111 Antimyosin: Comparison Between Antibody Imaging and Thallium-201 Imaging.
63. Assessment of prognosis in patients with ischaemic heart disease by means of non-invasive techniques. AMI sponsored lecture: Clementine Churchill Hospital, June 1988.
64. New methods of assessing cardiovascular effects of drugs. SKF, Welwyn Garden City, July 1988.
65. Guest Lecture: European Society of Cardiology, Vienna, Austria (1988). In: "New developments in Nuclear and MR Imaging"  
Title: Miniaturised and portable detectors for the assessment of cardiac function.
66. International Symposium: Heart Failure and Diastolic Function: Clinical Approaches to its Understanding and Treatment, Brussels, Sep 1988.  
Title: Diastolic function in patients with chronic ischaemic heart disease and heart failure and the effects of calcium antagonists.
67. New Techniques in Nuclear Cardiology: Nuclear Cardiology Symposium, Newcastle University, Nov 1988, Newcastle.
68. Antimyosin Antibody Imaging: Clinical Role. Toronto Nuclear Medicine Society, Toronto, Canada (Dec 1988).
69. Myocardial Perfusion Imaging: Current Concepts and Future Developments. Amersham International, Amersham (Dec. 1988).
70. Nuclear Cardiology: Modern Trends. Command Hospital, Calcutta, India (Aug 1989).
71. Early Detection of Functionally Significant Coronary Disease. Mulchand Hospital, New Delhi, India (Aug 1989).
72. Clinical Role of Myoscint. Myoscint Launch Conference (Chairman), European Association of Nuclear Medicine, Strasbourg, France (Aug 1989).
73. Role of Vasodilating Betablockers in Heart Failure, SKF and BM (Satellite Symposium), ECCO, Nice, France (Sept 1989).
74. British Nuclear Medicine Society; April 1990: Imperial College, Chairman of Cardiac Sessions.

75. Society of Nuclear Medicine; June 1990; June 1990: Chairman: Monoclonal Antibody Imaging Sessions.
76. European Congress of Cardiology: Guest Lecturers; September 1990:  
\* Antiplatelet Antibody, 7E3 Therapy, A Potent Effect on Platelet Function.  
\* Role of Receptor Imaging and the Heart (MIBG)
77. Advisory Board Meeting (Centocor): Clinical Development of Antiplatelet Antibody - 7E3.
78. Guest Lecture on Antimyosin Antibody Imaging: European Society of Nuclear Medicine, Amsterdam; Aug 1990.
79. International Society of Hypertension; Montreal; June 1990: Guest Lecture: Carvedilol in Heart Failure.
80. Munich Heart Centre; Feb 1991: Carvedilol, its Role in Cardiovascular Medicine.
81. International Symposium on Carvedilol, Berlin, March 1991: Carvedilol in Congestive Cardiac Failure.
82. Nuclear Cardiology Symposium, Rotterdam, March 1991: Chairman of Antimyosin Session.
83. Amsterdam Free University; March 1991. Guest Lecture on Antimyosin Antibody Imaging: Myocardial Viability.
84. British Nuclear Medicine Society; April 1991: Chairman, Cardiac Sessions.
85. IGE Guest Lecture, British Nuclear Medicine Society; April 1991.
86. Carvedilol Symposium, Montreaux, April 1991.
87. Royal College of Physicians; May 1991: Guest Lecture on Antimyosin Antibody Imaging.
88. Antimyosin Meeting, Frankfurt, May 1991.
89. Society of Nuclear Medicine, June 1991: Guest Lecture on Myocardial Imaging with Antimyosin Antibody Imaging at the Cardiovascular Update Course.
90. Carvedilol Symposium; Milan: June 1991.
91. Betablockers in Heart Failure: Munich, June 1991.
92. International Nuclear Cardiology Symposium, (Sponsored by American Heart Association), Wintergreen, Virginia; July 1991. Myocardial Viability Assessment and Antimyosin Antibody Imaging.
93. Amersham P53 Symposium, Tokyo: Aug 1991. Guest Lecture: Myocardial Imaging with Tc-99m P53.

94. Advisory Board Meeting: Carvedilol in Congestive Heart Failure, SK&B, Philadelphia; Sept 1991.
95. Presentation of P53 Myocardial Imaging data to the F.D.A., Washington; Oct 1991.
96. Guest Lecture: Myocardial Imaging with P53. Medi Physics, Chicago; Oct 1991.
97. Guest Lecture: World Congress of Non-Invasive Cardiology, New Delhi, India; Dec 1991.
  - \* A New Tracer for Myocardial Perfusion Imaging with  $^{99m}\text{Tc}$ -P53
  - \* Stress and Dipyridamole Thallium-201 Imaging
98. Assessment of Prognosis in Coronary Heart Disease with Radionuclide Imaging; Central Middlesex Hospital; January 1992.
99. Invited Lecture: Betablockers in heart failure; Hamburg; March 1992.
100. Chairman of Cardiac Sessions; British Nuclear Medicine Society; London; April 1992.
101. Guest Lecture: Role of Nuclear Medicine in Myocardial Infarction, Symposia,; London; April 1992.
102. Invited Lecture: Role of Carvedilol in Heart Failure; Santiago, Chile; June 1992.
103. Heart Failure Management: Changing concepts. Brazilian Hypertension Society, San Paolo, Brazil; June 1992.
104. Chairman, Cardiology Section Free Communications, Society of Nuclear Medicine, Los Angeles, USA; June 1992.
105. Heart Failure Meeting: Belgian Cardiology Society, Reims, France; July 1992.
106. Chairman, Cardiology Section, European Society of Nuclear Medicine, Lisbon; August 1992.
107. Queen's Award, Guest Lecture: Future Directions in Nuclear Cardiology, Amersham, UK; 1992.
108. General Physician Symposia, Cairo, Egypt: Management Strategies in Coronary Heart Disease and Heart Failure, 1992.
109. Guest Lecture at Yale University, New Haven, Development of Tc-99m Diphosphine Derivatives for Myocardial Imaging, November 1992.
110. Du Pont Lecture in the UK: Nuclear Cardiology, Concepts and Practice; 1993.
  - (i) Leeds General Infirmary
  - (ii) Telford Hospital
  - (iii) Nottingham

111. British Nuclear Medicine Society, Chairman, Cardiac Sessions, April 1993.
112. Guest Lecture at the Cardiolite Launch Meeting, British Nuclear Medicine Society, Imperial College, London, April 1993.
113. British Nuclear Medicine Society Meeting, Dublin; Advances in Nuclear Cardiology, Du Pont Symposia, 1993.
114. Co-Chairman, First International Society of Nuclear Cardiology (ICNC), Cannes, France, May 1993.
115. Chairman, Cardiolite Symposia, ICNC, Cannes, May 1993.
116. Co-Chairman, Amersham Symposia on "Myoview", ICNC, Cannes, May 1993.
117. Judge for Junior Investigators Competition, ICNC, Cannes, May 1993.
118. Left Ventricular Hypertrophy in Hypertensive Heart Disease: Strasbourg, France; June 1993.
119. Lecture tour (Bergen, Oslo): Symposia and Launch Meeting; Carvedilol in Heart Failure, Norway; August 1993.
120. Moderator, Strategies in Nuclear Cardiology; Myoview Symposia, Amersham International, Mougins, France; August 1993.
121. Imaging Techniques in Heart Transplantation, Heart Transplantation Symposia (Moderator and Speaker), Badoenhausen, Germany, September 1993.
122. Imaging Techniques in Acute Myocardial Infarction, Royal College of Pathologists, Symposia on Myocardial Infarction; Royal Society of Medicine, London; September 1993.
123. Nuclear Cardiology Workshop, Milwaukee, USA, October 1993.
  - (i) Moderator, Myocardial Perfusion Imaging
  - (ii) Myocardial Imaging with Tc-99m Tetrofosmin
  - (iii) Miniature Nuclear Probes in Cardiology
124. Visiting Professor and Invited Speaker: Challenges in Nuclear Cardiology; Beijing, China; October 1993.
125. Heart Failure Symposia, Organon, Norway; December 1993.
126. Dual Action Drugs in Heart Failure Symposia (SKB), Denmark; February 1994.
127. Chairman, British Nuclear Medicine Society, Cardiac Session, London; April 1994. "Myocardial Perfusion Imaging in the year 2000: SPECT and Competing Techniques"
128. British Cardiac Society, In charge of imaging in cardiology session, Torquay, UK; May 1994.

129. Guest Lecture: The Society of Nuclear Medicine, Florida, USA; June 1994.
130. Chairman, European Congress of Cardiology; Cardiac Session, Berlin; September 1994.
131. Guest Lecture: Congestive Heart Failure Meeting, Oslo, Norway, November 1994.
132. Visiting Lecturers: Norway, January 1995.
133. Guest Speaker: Manchester University, March 1995.
134. Guest Speaker: Glasgow, March 1995.
135. Meeting Co-Chairman: 2nd International Congress of Nuclear Cardiology, Cannes, April 1995.
136. Visiting Professor and Named Lecture: The Howard Gilman Foundation Distinguished Visiting Scholar in Cardiovascular Research, Cornell University Medical College, New York, March 1995.
137. Visiting Professor: University of Virginia Health Sciences Center, Charlottesville, USA, March 1995.  
“Modern Therapeutics and Heart Failure”
138. Visiting Lecturer: American Heart Association: Satellite Symposium of Carvedilol in Congestive Heart Failure, March 1995.
139. Chairman: Gensia Satellite Symposia, British Cardiac Society, Harrogate, May 1995.
140. Royal College of Physicians: Lecture: Myocardial Perfusion Imaging with New Radiopharmaceuticals, London, May 1995
141. Guest Speaker: Leicester: Management of risk in hypertensive heart disease.
142. Guest Speaker: Postgraduate Centre, Central Middlesex Hospital, London.  
Lecture: Revascularisation for Ischaemic Heart Failure.
143. Invited Speaker: European Congress of Cardiology, Amsterdam 1995: Secondary preventative potential of vasodilating  $\beta$ -blockers - experience from the carvedilol heart attack pilot study (CHAPS).
144. Guest Speaker: European Association of Nuclear Medicine, Brussels, Belgium, 1995:  
Highlight Lecture - “Highlights of the Nuclear Cardiology Meeting in Cannes (ICNC-II).
145. Visiting Professor: South African Cardiac Society, Johannesburg, South Africa, 1995
146. Lectures on Congestive Cardiac Failure: Durban, Cape Town, Peter Maritzburg, South Africa, 1995

147. Visiting Lecturer: Congestive Cardiac Failure, Belgium (5 lectures), 1995
148. Open Access Echocardiography for GP's, Northwick Park Hospital, Harrow, August 1995
149. Myocardial Perfusion Imaging: An Overview; Guest Lecture: International Conference of Cardiology, New Delhi, December, 1995
150. Myocardial Perfusion Imaging and Congestive Heart Failure. Du Pont Meeting, Chicago, January 1996
151. Betablockers in Congestive Heart Failure: Central Middlesex Hospital, January 1996
152. Clinical Development of Carvedilol. Boehringer Mannheim Symposia, Florida, February 1996
153. Cardiology '96: Symposia and Cardiology Course: Mayo Clinic and University of Vienna. Betablockers in Congestive Heart Failure. Vienna, April 1996
154. Boehringer Mannheim Satellite Symposia on Carvedilol; Lecture: "The CHAPS Trial", Vienna, April 1996
155. Drug and Therapeutics Working Group, European Society of Cardiology, "Carvedilol in Congestive Heart Failure and Myocardial Infarction", Rein Am Stein, Switzerland, May 1996
156. Working Group Meeting of German Rehabilitation Cardiology. "The Role of Carvedilol in Acute Myocardial Infarction", Mannheim, Germany, May 1996
157. Nuclear Cardiology Symposia and Course: "Tetrofosmin Myocardial Perfusion Imaging"; Cesena, Italy, May 1996
158. "Role of Nuclear Cardiology in Congestive Heart Failure" Du Pont Internal Meeting; Frankfurt, May 1996
159. Visiting Professor, University of Tokyo. "Congestive Heart Failure Management - Modern Concepts". Tokyo, June 1996
160. Daichi Pharmaceuticals Internal Meeting; "Carvedilol in Heart Disease"; Tokyo, June 1996
161. Guest Lecture: Stirling Castle, Scotland, June 1996; "New Generation Multiple-Action Betablockers in Congestive Cardiac Failure"
162. Mortality of Congestive Heart failure: therapeutic implications. University of UAE, Dubai and Abu Dhabi, UAE, September 1996
163. Management Of Congestive Heart Failure: Modern Trends. University of Amman and the Military Hospital, Amman, Jordan, September 1996

164. Hibernating Myocardium in Congestive Heart Failure. Visiting Professor, Division of Cardiology, University of Johannesburg, South Africa, October 1996
165. Assessment of Myocardial Viability and Implications in Congestive Heart Failure due to Coronary Artery Disease. Guest Speaker: South African Cardiac Society. The Wild Coast, South Africa, October 1996
166. Carvedilol in Acute Myocardial Infarction. Satellite Symposium. The Wild Coast, South Africa, October 1996
167. Hibernating Myocardium in Congestive Heart Failure. Visiting Professor (Invited Lecture). University of Gent, Belgium, October 1996
168. The Link Between Nuclear Cardiology and Stress Echocardiography. Invited lecture: German Society of Echocardiography, Gensia Symposium, Bonn, Germany, November 1996
169. The Role of Myocardial Perfusion Imaging in the Detection of Myocardial Viability. Joint Meeting of the Society of Nuclear Medicine (USA and India). Gwalior, India, December 1996
170. Detection and Therapeutic Implications of Hibernating Myocardium in Congestive Heart Failure. Birla Heart Research Centre, Calcutta, India, December 1996
171. Detection and Therapeutic Implications of Hibernating Myocardium in Congestive Heart Failure. Escorts Heart Hospital, New Delhi, India, January 1997
172. Carvedilol in Cardiovascular Disease. Round Table Discussion and Invited Lecture: Cairo, Egypt, January 1997
173. Painless Myocardial Ischemia is Frequently Associated with Hibernating Myocardium in Congestive Heart Failure. Invited Speaker: World Congress of Heart Failure, Washington, May 1997
174. Diagnosis and Management of Hibernating Myocardium. Invited Lecture: British Cardiac Society, Manchester, May 1997
175. Relationship Between Ischaemia and Heart Failure. Invited Lectures: European Congress of Heart Failure (No. 2); Cologne, Germany, May 1997
176. Carvedilol in Ischaemic Heart Failure Disease. Satellite Meeting; Cologne, Germany, May 1997
177. New Developments in Management of Ischaemic Heart Disease. Windhock University Hospital, Namibia, 1997
178. Multiple Action Drugs in the Management of Ischaemic Heart Disease. Gabarone, Botswana, June 1997
179. Treatment of Ischaemic Heart Disease with Multiple-Action Drugs: New Concepts. Harare, Zimbabwe, June 1997

180. Ischaemic Cardiomyopathy: Diagnostic and Therapeutic Challenges. Heart House Course, Nice, October 1997
181. Carvedilol in Post-AMI Patients. Organon Norwegian Conference. Chairman and Speaker, London, October, 1997
182. Myocardial Perfusion SPECT Imaging: New Directions. Delhi, October 1997
183. Myocardial Perfusion Imaging in Ischaemic Cardiomyopathy. Chairman and 3 Guest Lectures, Indian Society of Nuclear Cardiology, October 1997
184. New Radiotracers in Nuclear Cardiology: Clinical Nuclear Medicine Course: Royal College of Physicians, London, November 1997
185. Modern Concepts in the Management of Heart Failure. Bahrain, December 1997
186. Myocardial Perfusion Imaging: Prognostic and Diagnostic Value. Cardiovascular Congress, Chairman and Lectures, Oman, December 1997
187. Diagnosis and Management of Ischaemic Cardiomyopathy. Cardiovascular Forum, Chairman and Lecture, New Delhi, February 1998
188. Nuclear Cardiology application to patient management. Taiwan Medical Centre, Taiwan, Feb 1998
189. Myocardial Perfusion Imaging in Heart Failure. Samsung Hospital, Seoul, Korea, February 1998
190. Diagnosis and Management of Ischaemic Heart Failure. Kyoto Medical School, Japan, February 1998
191. Nuclear Cardiology: Changing Role. Matsuyama Medical Group, Japan, February 1998
192. Ischaemic Cardiomyopathy: Diagnosis and Management. Japanese Society of Nuclear Cardiology, Yokohama, Japan, February 1998
193. Myocardial Perfusion Imaging: Changing Concepts. Chulalongkorn Hospital, Bangkok, Thailand, February 1998
194. Myocardial Viability in Ischaemic Cardiomyopathy. ESC Working Group, Kitzbuhel, Austria, March 1998
195. Hibernating Myocardium and Heart Failure. The Royal College of Physicians, London, June 1998
196. The Role of Neurohormonal Antagonists in Hibernating Myocardium. Roche Satellite Symposium, ESC Congress, Vienna, Austria, August 1998

197. Symposia on Coronary Heart Disease: Role of Nuclear Cardiac Imaging in Risk Stratification, Florence, Italy, August 1998)
198. Advisory Board, CIS; Phase III Study for <sup>99m</sup>Tc-NOET For Myocardial Perfusion Imaging, Paris, France, October 1998
199. "Why Cardiac MRI Will Not Make It?" Lecture, Bracco Conference on MRI Contrast Agents, Milan, Italy, November 1998
200. Effect of Carvedilol in Remodelling. SmithKline Beecham Lecture, CRAGG, November 1998
201. Role of Myocardial Imaging for CAD Detection: Current Status. Du Pont European Sales Marketing, Badgastein, January 1999
202. Diagnosis and Management of Hibernating Myocardium: Greek Society of Cardiology, Guest Lecture, February 1999
203. Lecture Series: Myocardial Perfusion Imaging: Canada – 1-5<sup>th</sup> March 1999, Montreal, Toronto, Canada
204. Heart Failure: Management and New Drugs. GP Lecture, London, March 1999
205. ICNC 4; Guest Lectures, Greece, April 1999
  - (a) Value of Normal Myocardial SPECT Study
  - (b) Diagnosis of Hibernating Myocardium
  - (c) Chairman: Du Pont Satellite Symposium
  - (d) Fujisawa Symposium
206. Clinical Development of Carvedilol, Roche, Basle, Switzerland, May 1999
207. Role of Drugs in the Management of Hibernating Myocardium. Norwegian Cardiology Society, Oslo, Norway, May 1999
208. Carvedilol in the Management of Ischaemic Cardiomyopathy, Pamplona, Spain, June 1999
209. Harrow Heart Failure: Lecture, Northwick Park Hospital, June 1999
210. State of the Art Lecture: Australia/New Zealand Cardiac Society: "Diagnosis and Management of Ischaemic Cardiomyopathy". Working Group: Chairman and Lecture. "Myocardial Perfusion Imaging". Wellington, New Zealand, August 1999
- 211-218. Australia Lecture Tour: "Risk Stratification in Coronary Artery Disease Using Myocardial Perfusion Imaging", August 1999. Grand Rounds in Concord Hospital, Sydney;

The University of Surrey, Department of Medicine, Physicians Workshop  
Royal Melbourne Hospital, Sydney  
ANZSNM, Victoria  
John Hunter Hospital  
Grand Rounds in Royal Brisbane Hospital  
Prince Charles Hospital

219. "Ischaemic Cardiomyopathy: Diagnosis and Management". CHRISTMAS Study Group:  
Barcelona, Spain, August 1999
220. Epidemic of Heart Failure: GP Lecture, Clementine Churchill Hospital, September 1999
221. Heart Failure Management and Epidemiology, GP Lecture, Glasgow, September 1999
222. State-of-the-Art: Cardiac Imaging: Echocardiography, Northwick Park Hospital, October 1999
223. Fifth Kuwait Heart Foundation Cardiology Symposium. January 2000
224. DuPont Canada/Detroit Lecture Tour, February 2000.
  - (1)"Risk Stratification and role of N/C, Cardiology Rounds in Hopital Laval Quebec City
  - (2)"Risk Stratification of pts post-MI & with CHF, Cardio-Respiratory Rounds in McGill University.
  - (3)"Risk Stratification in ischaemic cardiomyopathy", Western Division Medical Grand Rounds in Toronto Hospital.
  - (4)"Clinical Cases and how N/C was useful", Cardiology/Medical Resident Teaching Rounds in St Michael's Hospital.
  - (5) "Nuclear vs Echo evaluation of LV function in terms of clinical situations", Cardiology Research Rounds in Sunnybrook Hospital.
  - (6) "The Clinical Relevance of risk stratifying patients with CAD or IHD; How myocardial Perfusion agent choice affects patient management",  
Symposium in Quebec City.  
Symposium in South Shore of Montreal Hospitals.  
Symposium in Greater Toronto Area.  
Nuclear Cardiology Rounds in Ottawa.
  - (7) DuPont Symposia in Detroit " The clinical relevance of risk stratifying patients with  
CAD or IHD; How myocardial perfusion agent choice affects patient management".
225. NT-proBNP in heart failure, " Therapy monitoring with NT-proBNP in MF 4393 (Cavedilol vs Captopril), Monte Carlo (February 2000).
226. Cardiology and Diabetes Study Day: "Risk Stratification for the Patient with Chest Pain: Added Value of Functional Imaging" G.P. Lecture, (Clementine Churchill Hospital, March 2000).

227. The Role of Nuclear Cardiology in Risk Stratification of Ischaemic Artery Disease, Rome, Italy. (May 2000).
228. DuPont European Workshop "New insights into myocardial perfusion imaging: Adding value in diagnosis and management decision making", Paris, France, (May 2000).
229. IV International Meeting. Nuclear Cardiology Today 2000 & Beyond, Cesena, Italy (May 2000).
230. G.P. Lecture, Central Middlesex Hospital. "Cardiac Remodelling: Clinical risk, Diagnosis and Treatment" (June 2000).
231. DuPont Cardiology Symposium, Federation of Tamil Sangams of North America and The Association of American Physicians from South Asia. Tampa, Florida, USA. (July 2000)
232. International Society of Heart Failure Inc. 7<sup>th</sup> World Congress on Heart Failure - "Mechanisms & Management ". Vancouver, Canada, (July 2000)
233. DuPont Canada/Detroit Lecture Tour, October 2000
234. Symposium on Contrast Echocardiography and Sonovue, Bracco Workshop, "Reflecting the Future of Contrast Ultrasound", Cannes, France, February 2001
235. Syncor Meeting, "The Clinical Impact of Nuclear Cardiology As A Gatekeeper For Ischemic Heart Disease Management", Bahamas, USA, March 2001
236. The 65<sup>th</sup> Annual Scientific Meeting of Japanese Circulation Society - Kyoto, Japan, March 2001
237. Carvedilol heart Failure Symposia, Role of Carvedilol in Ischaemic Heart Disease and Heart Failure, Shanghai
238. Training Day for SpR's in Cardiology: Current Imaging Techniques Using EBCT. St Bartholomew's Hospital, London, March 2002
239. Nuclear Cardiology Review: Lectures in Albuquerque, New Mexico and UCI, Orange County, USA, April 2001
240. ICNC 5, Vienna, Austria, May 2001  
 (1) DuPont Symposia, Chairman  
 (2) Myocardial Imaging in Acute Chest Pain (lecture)  
 (3) Chair- moderated poster
241. Syncor Lecture Tour in Nuclear Cardiology and Grand Rounds, June 2001  
 New York, Allan Town, Cincinatti, Chicago, Miami, Tampa, Dallas, Houston, Sacramento, San Francisco, USA.
242. American College of Cardiology: Cardiology Update 2001, Carmel, USA.  
 What is the Role of Perfusion Imaging in Ischaemic Cardiomyopathy?

243. Nuclear Cardiology "State of the Art" Lecture, October 2001, San Diego, USA.
244. "Utilizing B-adrenergic blockade in CHF patients after hibernation of myocardial infarction: Dilatred Satellite Lecture via videolink, London, April 2002
245. A new era in diagnosis and management of coronary atherosclerosis: PGEA Seminar: The Wellington Hospital, London, May 2002
246. The Role of Cardiac Imaging in Risk Stratification in Coronary: Royal Society of Medicine, London, 11 September 2002
247. The Role of Electron Beam CT and early detection of atherosclerosis: The genesis of coronary calcium, Electron Beam CT symposia, New Orleans, 19-21 September 2002
248. The Clinical Implication of the LIFE Trial: MSD GP meeting, 25 September 2002.
249. The Role of Electron Beam CT in coronary artery disease: Pfizer film, Wellington Hospital, 27 September 2002
250. The Evolving New Concepts in Nuclear Cardiology: Guest Lecture, Brompton Hospital (Chair: Dr Naidoo), October 2002
251. Early detection of coronary artery disease: GP Lecture, Wellington Hospital, 20 November 2002
252. Clinical experience with EBCT Imaging in asymptomatic patients with risk factors: Presentation at the EBEAT Trial Update Meeting, Frankfurt, 26 November 2002
253. Coronary heart disease in the Asians: Role of EBCT in early detection: Lions Club Lecture, Elstree Gold Club, 04 December 2002
254. Early detection of coronary disease in asymptomatic patient with risk factors: The role of Electron Beam CT: GP Lecuture, Liverpool Street Medical Centre, 07 December 2002
255. Detection of silent coronary artery disease: Combined use of EBCT and nuclear imaging: Invited Lecture, Birla Heart Hospital, Calcutta, 16 December 2002
256. NICE Guidelines for Nuclear Cardiology: National meeting, Aylesbury, 25 January 2003
257. Risk stratification in coronary artery disease: New methods of detection of coronary atherosclerosis: Takeda GP meeting, Kingsbury, 26 March 2003
258. Role of Electron Beam CT in early detection of coronary disease: Case presentation, NPH Grandrounds, 27 March 2003
259. Hypertension to heart failure: The continuum: Takeda GP Meeting, Wembley, 18 June 2003
260. Risk stratification in patients with suspected coronary artery disease: Evolving concepts, GP Meeting, Wellington Hospital, 02 June 2003

261. Nuclear cardiology: Chairman, EANM, Amsterdam, 25 August 2003
262. Risk stratification of coronary disease with EBCT and Nuclear Imaging: Invited Lecture, ESC, Vienna, 01 September 2003
263. Molecular imaging: Chairman, ASNC, Indianapolis, 13 September 2003
264. Early detection and risk stratification in coronary artery disease: Guest lecturer, Russian Cardiac Society, St Petersburg, Russia, 28 September 2003
265. BMS Advisory Board in Nuclear Cardiology, Washington DC, 15 October 2003
266. Hibernating myocardium and the CHRISTMAS trial: Clinical implications and cardiac imaging: Guest lecture, International Conference of Coronary Artery Disease, Florence, 21 October 2003
267. Nuclear Cardiology: Lunch-time Symposium: Meet with the experts: American Heart Association, Orlando, 12 November 2003
268. Clinical relevance of the EUROPA trial: Servier GP lecture, Harrow, 18 November 2003
269. Early detection of atherosclerosis in Asians: Role of EBCT: Pfizer Advisory Board, Coronary artery disease in South East Asians, Birmingham, 20 November 2003.
270. Implications of NICE guidelines in Nuclear Cardiology: BMS House Lecture, 27 November 2003
271. New trials in Nuclear Cardiology: Guest lecture, BNCS, Brompton Hospital, (Drs Anand and Sabarwal won 1<sup>st</sup> and 2<sup>nd</sup> prize for abstract presentation) 02 December 2003
272. Hypertension to heart failure: Risk management in high risk patients: Servier Meeting, Edgware, 13 February 2004
273. The total ischaemic burden – The role Nuclear Cardiology: Guest lecture, Hellenic Society of Nuclear Cardiology, Thessaloniki, 21 February 2004
274. MIBG heart failure trial meeting: Amersham, Amsterdam, 26-27 February 2004
275. The epidemic of coronary artery disease: Guest lecture, YPO London Chapter, Royal College of Surgeons, 03 March 2004
276. Coronary artery disease: Risk in South East Asians: Guest Lecture, Lions Club, Edgware, 16 March 2004
277. Heart of the matter – The link between hypertension, diabetes & coronary heart disease: Takeda Meeting, Wellington Hospital, 18 May 2004
278. Early detection of CAD in asymptomatic diabetics: Guest Lecture, IST Clinical Research, Mannheim, Germany, 21 May 2004

279. Nuclear Cardiology – Forward Vision in Imaging – Satellite Symposium, Chairman, Nuclear Cardiology Today-2004, Cesena, Italy, 10-11 June 2004
- Invited Lecture: “Which is the best stressor for risk-stratification for Nuclear Cardiology today” 2004, Cesena, Italy, 10-11 June 2004
280. Myocardial perfusion imaging: An introduction to the techniques and current use. Global Dialogue on the Evaluation of Cardiovascular Risk in Patients with Diabetes; Britol-Myers Squibb Meeting, Amsterdam, 09-10 July 2004
281. NICE Guidelines for Nuclear Cardiology: National meeting, Pennyhill Park, Bagshot, 03 July 2004
282. Assessment of viability in patients with ischaemic cardiomyopathy – Does it aid in clinical decision making? Guest Lecture: Portuguese Society of Cardiology, Lisbon, 25 September 2004.
283. All patients with cardiomyopathy should have coronary angiography: Controversies in clinical cardiology and cardiac imaging Plenary Session III, Guest Lecture: ASNC, New York, 03 October 2004
284. Lessons from the CHRISTMAS and acute heart failure trials. Guest Lecture: 8<sup>th</sup> Asia & Oceania Congress, Beijing, China, 10 October 2004.
285. Diabetes & silent myocardial ischaemia. Guest Lecture: 8<sup>th</sup> Asia & Oceania Congress, Beijing, China, 10 October 2004.
286. Risk stratification in nuclear cardiology, Guest Lecture: BMS, Bangkok, 14 October 2004
287. Advantages of gated SPECT for diagnosis and risk stratification of coronary heart disease and heart failure. Guest Lecture: BMS, Taipei, Taiwan, 16 October 2004.
288. The use of coronary imaging in asymptomatic high-risk patients. Guest Lecture: Zaret Symposium, New Haven, New York 26 October 2004.
289. Heart Failure: Pharmacological Therapy: Novel Agents. Moderating Session: AHA, New Orleans, 10 November 2004
290. Developments in nuclear cardiology and other imaging modalities. Chairing; BNCS, Royal Brompton, London, 07 December 2004
291. Electron Beam Tomography – Visualising the Plaque. Guest Lecture: Fournier Cardiovascular Risk Forum, Guildford, 03 March 2005
292. Early Detection of Sub-Clinical Coronary Atherosclerosis in Type II Diabetes using Coronary Calcium Imaging – Comparison with Myocardial Perfusion Imaging, Inflammatory Markers and Cardiac Events. Guest Lecture. 20<sup>th</sup> International Meeting on Clinical Cardiology, Athens, 05 May 2005.
293. International Conference of Nuclear Cardiology, Lisbon, May 2005  
Evaluation of viability; Chairman. 10 May 2005

Coronary calcium, silent myocardial ischaemia and inflammatory biomarkers in asymptomatic type II diabetic subjects without prior cardiovascular disease. – Guest speaker, 11 May 2005

Cost effectiveness of nuclear cardiology in patients with known or suspected CAD: What do the data show. Presenter – “Late breaking session”, 11 May 2005

Evidence based guidelines. Guest Speaker – 11 May 2005

294. Early detection of asymptomatic coronary artery disease in Type II diabetes: A prospect study of combined use of Electron Beam CT and Tc-99m sestamibi gated SPECT. Guest Lecture – International Academy of Cardiology, Vancouver, July 2005.

295. The role of imaging technologies in diabetes, metabolic syndrome and cardiovascular disease, Predict. New York, Healthcare 2015 Leadership Forum, Sponsored by GE.

296. Nuclear Imaging in patients with chronic heart failure of unknown etiology. Read with the expert, ASNC, Seattle, September 2005.

Evaluation and management of patients with heart failure – Nuclear imaging in patients with chronic heart failure of unknown aetiology. ASNC, Seattle, September 2005.

Heart failure due to ischaemic heart disease .....Epidemiology. State of the art lecture. ASNC, Seattle, September 2005.

297. Acute chest pain: evaluation of competing modalities. Consultants’ Meeting on Role of Myocardial Perfusion Imaging in Acute Chest Pain, International Atomic Energy Agency, Vienna, 28-30 November 2005.

298. Role of noninvasive cardiac imaging in the assessment of patients with intermediate risk of significant coronary artery disease – Grand Rounds, Royal Free Hospital, 31 March 2006.

299. The prognostic value of myocardial viability in patients with heart failure and myocardial infarction. BMS Satellite Symposia, Egyptian Society of Cardiology, Cairo, 21 February 2006.

The combined role of cardiac CT and myocardial perfusion imaging in risk stratification in asymptomatic diabetic patient. BMS Satellite Symposia, Egyptian Society of Cardiology, Cairo, 21 February 2006.

300. Coronary calcium scoring to predict risk – British Cardiac Society, BNCS Symposium, Glasgow, 25 April 2006

301. Grand Rounds Lecture, Rome, 2 May 2006

302. The role of myocardial perfusion SPECT in diabetes mellitus and metabolic syndrome ASNC, Montreal, Canada, September 2006.

303. Electron Beam CT; British Institute of Radiology, Cardiac imaging – from start to finish; Nottingham, 9 October 2006
304. Use of CT/SPECT Model for evaluating patients referred to the chest pain clinic ...”How does this apply to the general practices in East London and Essex”. Chairman: Professor Ram Dhillon. Attended by two PCT representatives – Newham Primary Care Trust and North East London Trust – Wellington Hospital, 25 October 2006
305. Grand Round Lecture: The Role of atherosclerosis imaging in risk stratification and disease progression in asymptomatic diabetic patients, University of Virginia, Charlottesville, USA. 16 November 2006
306. Recent trends in Nuclear Cardiology – impact on the community – Cardiology Consultants of Rockland, New York, 17 November 2006
307. The value of EBCT Scanning in Screening for coronary disease – MSD-SP Cardiology Strategic Advisory Board, Leamington Spa, 29 November 2006
308. Imaging high risk elderly patients – ICNC, Prague, 02 May 2007
309. The main clinical questions in heart failure – ICNC, Prague, 02 May 2007
310. Role of Dual Imaging CT SPECT for Risk Stratification – ICCAD, Venice, Italy, 09 October 2007
311. New Non-Invasive Methods, ICCAD, Venice, Italy, 09 October 2007 – Chair
312. New Advances in Cardiac CT, Royal Society of Medicine, 15 October 2007
313. How to Image Special Populations, - How to Session, American Heart Association, Orlando, USA, 06 November 2007
314. Non-invasive investigations – CAD: Investigations, A Master class on Chest pain and coronary heart disease, one-day symposium, Central Middlesex Hospital, London, 07 June 2008
315. Imaging DYS: Dysfunction and dyssynchrony with Mary Walsh, Moderator American Society of Nuclear Cardiology, Boston, USA September 2008
316. Nuclear imaging in diabetics – upcoming results from the BARI 2-D trial American Society of Nuclear Cardiology, Boston, USA September 2008
317. Cardiometabolic + non invasive cardiology imaging, Postgraduate diploma in cardiology, Workshop, Wellington Hospital, London, September 2008
318. Diabetes/metabolic syndrome, Session: Management of Ischemic Heart Disease in High Risk Populations, American Heart Association, New Orleans, USA, November 2008

319. Cardiac Imaging; Hampstead medical Society, Hampstead, London November 2008
320. 9th Asia Oceania Congress of Nuclear Medicine and Biology, New Delhi, India Nov 4th, 2008
321. Grand Round, "Management of IHD in the High Risk Population", Royal Brompton Hospital, London, 28 January 2009
322. GP Symposium – Diabetes & Cardiovascular Risk – New Insights : Diabetes: A potential death sentence due to coronary artery disease: How we can and should detect and manage it before the calamity, Hadley Woods, Herts, 07 May 2009
323. Opening plenary session: State of the art cardiovascular imaging, Co-Chair, International Congress of Nuclear Cardiology, 11 May 2009
324. Heart failure: Present and future role of imaging; Chair, International Congress of Nuclear Cardiology, 11 May 2009
325. Cardiac resynchronisation and imaging; Chair, International Congress of Nuclear Cardiology, 12 May 2009
326. Evolving concepts in early diagnosis & management of coronary heart disease in diabetic subjects: Role of cardiac CT, Hong Kong, 18 May 2009
327. Cardiovascular molecular imaging: Evolving role of dual-source, dual-energy cardiac CT: Synergistic value of myocardial perfusion imaging, 17<sup>th</sup> Asian Pacific Congress of Cardiology, Kyoto, Japan, 21 May 2009
328. GP Symposium - Diabetes & Cardiovascular Risk – New Insights: Diabetes: A potential death sentence due to coronary artery disease: Early detection and management of coronary disease in the diabetic patients – new concepts and techniques. Camden, London, 23 June 2009
329. Synergistic value of dual-source cardiac CT and myocardial perfusion imaging; National Nuclear Cardiology Meeting, Hainan, China, 18 September 2009
330. Synergistic value of dual-source cardiac CT and myocardial perfusion imaging; Grand Round; NYU Hospital, New York, 29 September 2009
331. CT Track: Great debates in cardiac CT (Advanced); Moderator; American Society of Nuclear Cardiology; 03 October 2009
332. Independent Doctors Forum, "Evolving Role of Cardiac CT in the Management of Coronary Artery Disease"; London, 07 October 2009

- 333. Future of nuclear cardiovascular imaging in the era of multimodality imaging; Homibhabha Oration, 7<sup>th</sup> Biennial Conference of Nuclear Cardiological Society of India, Mumbai, India 14 November 2009
- 333. Emerging role of cardiac CT in early detection and management of CAD ..... Synergistic value of combined SPECT imaging; Nuclear Cardiology Society of India; Mumbai, India; 15 November 2009
- 334. Nuclear cardiology in patients with heart failure – Clinical significance of detecting hibernating myocardium in heart failure; Nuclear Cardiology Society of India; Mumbai, India; 15 November 2009

## **ABSTRACTS AND PROCEEDINGS OF SYMPOSIA:**

1. Lahiri A, Raftery EB, Millar Craig MW.  
Exercise induced ST segment elevation and left ventricular aneurysms.  
Proceedings of Symposium of Exercise Electrocardiography, Birmingham, UK (1978)
2. Lahiri A, Raftery EB, Wilkins R.  
Correlation of coronary arteriography, left ventricular angiography and graded treadmill exercise testing in the diagnosis of left ventricular aneurysms.  
Proceedings of European Society of Cardiovascular Radiology, Florence (1978)
3. Lahiri A, Millar Craig MW, Newman R, Bala Subramanian V, Raftery EB.  
Exercise induced ST segment elevation following myocardial infarction.  
Proceedings of the viiith World Congress of Cardiology, Tokyo, Japan (1978)
4. Lahiri A, Millar Craig MW, Newman R, Bala Subramanian V, Crawley J, Raftery EB.  
Exercise induced ST elevation and localised dyskinesia following myocardial infarction.  
Vith International Congress on Electrocardiology, Glasgow, Scotland (1980)
5. Bala Subramanian V, Lahiri A, Raftery EB, Kaye I, Stott F.  
Ambulatory ST-segment monitoring problems, pitfalls and solutions.  
British Heart Journal 1979; 42: 231
6. Lahiri A, Bala Subramanian V, Crawley JCW, Raftery EB.  
Exercise induced ST-segment elevation and serial exercise thallium-201 scintigraphy in patients with previous myocardial infarction.  
European Journal of Nuclear Med 1979; 4: 2, 113
7. Lahiri A, Bala Subramanian V, Raftery EB.  
Sudden death during ambulatory monitoring.  
International Symposium of Ambulatory Monitoring, Harrow, Middx. UK (1979)
8. Bala Subramanian V, Lahiri A, Raftery EB.  
Ischaemic heart disease and ambulatory monitoring.  
International Symposium of Ambulatory Monitoring, Harrow, Middx. UK (1979)
9. Lahiri A, Bala Subramanian V, Raftery EB.  
Sudden death: A report of clinical and electrocardiographic evaluation in three cases.  
Proceedings of International Symposium of Biotelemetry, Erlangen, W. Germany (1979)
10. Bala Subramanian V, Lahiri A, Raftery EB.  
The role of ambulatory ST segment monitoring in ischaemic heart disease.  
Proceedings of International Symposium of Biotelemetry, Erlangen, W. Germany (1979)
11. Lahiri A, Bala Subramanian V, Raftery EB.  
Exercise induced variant angina and the incidence of sudden death during ambulatory monitoring.  
Symposium of Coronary Artery Spasm (European Society of Cardiology) Lille, France (1979)

12. Bala Subramanian V, Lahiri A, Raftery EB.  
Verapamil in chronic stable angina - controlled study with quantified treadmill exercise and computer analysed ST changes.  
British Heart Journal, (1980)
13. Lahiri A, Bala Subramanian V, Raftery EB.  
Scintigraphic evaluation of exercise induced ST segment elevation following myocardial infarction.  
Proceedings of the Joint Meetings of MRC and CRC Cardiovascular Division, January (1980)
14. Raftery EB, Bala Subramanian V, Lahiri A.  
Evaluation of atypical angina by frequency modulated ambulatory ST segment recordings.  
Viiiith European Congress of Cardiology, Paris; Pub. S. Karger Ag, Basle, Switzerland: 1940, 161, (1980)
15. Bala Subramanian V, Lahiri V, Paramasivan R, Bowles MJ, Raftery EB.  
Long term effect of verapamil in angina - study by serial treadmill tests.  
Iiird Asian Congress of Cardiology, Singapore, (1980)
16. Lahiri A, Bala Subramanian V, Raftery EB.  
The effect of disopyramide on ventricular arrhythmias during treadmill exercise testing.  
Iiird Asian Congress of Cardiology, Singapore, (1980)
17. Lahiri A, Bala Subramanian V, Millar Craig MW, Raftery EB.  
Dual aetiology of exercise induced ST segment elevation.  
Viith International Congress on Electrocardiology, Lisbon, Portugal, (1980)
18. Millar Craig MW, Mann S, Bala Subramanian V, Lahiri A, Raftery EB.  
Effects of dynamic exercise on blood pressure in essential hypertension.  
Congress on Exercise Electrophysiology and Rehabilitation, Birmingham, England (1980)
19. Lahiri A, Bala Subramanian V, Millar Craig MW, Davies AB, Raftery EB.  
Dual mechanism of exercise induced ST segment elevation.  
Xiith World Congress of Angiology, Athens, Greece, (1980)
20. Bala Subramanian V, Lahiri A, Paramasivam R, Raftery EB.  
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Proceedings of the Second Joint Meeting of the Working Groups of the European Society of Cardiology, Pavia, (1981)
21. Lahiri A, Sonecha TN, Crawley J, Bala Subramanian V, Raftery EB.  
Is exercise-induced pulmonary <sup>201</sup>Tl uptake in post-infarction patients a sensitive prognostic index?  
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22. Lahiri A, Crawley JCW, Spencer J, Jones G, Raftery EB.  
Increased thallium - 201 lung activity following exercise myocardial scintigraphy: A sensitive indicator of heart failure.  
Proceedings of the Indian Cardiac Society, New Delhi (1981)
23. Sonecha TN, Lahiri A, Crawley JCW, Raftery EB.  
Radionuclide assessment of LV function in hypertensive patients by isometric handgrip and cold pressor test.  
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24. Lahiri A, Crawley J, Spencer J, Raftery EB.  
Quantitative analysis of lung uptake of 201 Tl in patients with coronary artery disease undergoing exercise 201 Tl imaging.  
Nuclear Medicine Communications 1982; 3: 2, 131
25. Lahiri A, Sonecha TN, Spencer J, Gould BA, Raftery EB.  
The effect of sustained isometric handgrip on left ventricular ejection fraction in hypertensive patients.  
Proceedings of European Society of Cardiology; Working Group on Use of Isotopes in Cardiology; Symposium on Nuclear Cardiology, (1982)
26. Lahiri A, Sonecha TN, Spencer J, Crawley JCW, Raftery EB.  
Improved sensitivity of detecting coronary artery disease using quantitative analysis of exercise lung uptake of Thallium - 201.  
Proceedings of European Society of Cardiology; Working Group on Use of Isotopes in Cardiology; Symposium on Nuclear Cardiology, (1982)
27. Lahiri A, Sonecha TN, Crawley JCW, Raftery EB.  
Efficacy of sustained release buccal nitroglycerin in patients with ischaemic cardiomyopathy.  
Clinical Science 1982; 63: 38-39
28. Lahiri A, Sonecha TN, Crawley JCW, Veall N, Raftery EB.  
Reduction of ejection fraction with sustained isometric handgrip in hypertensive patients with left ventricular hypertrophy.  
Journal of Nuclear Medicine 1982; 23: 5, 81
29. Lahiri A, Bowles MJ, Jones R, Crawley JCW, Sonecha TN, Cooper, WD, Raftery EB.  
The effect of buccal nitroglycerin on exercise-induced left ventricular dysfunction in patients with chronic stable angina: objective assessment by means of a non-imaging nuclear probe.  
Proceedings of the International Symposium of the 'Modern Concepts in Nitrate Delivery Systems', Royal Society Medicine, (1982)
30. Lahiri A, Sonecha TN, Crawley JCW, Raftery EB.  
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Diastolic dysfunction in chronic stable angina. Intra-exercise comparison of abnormal impedance waveform with change in ejection fraction and diastolic filling.  
Clinical Science 1983; 64: 31 P
32. Jones R, Lahiri A, Bowles MJ, Raftery EB.  
The relative value of cold stress isometric handgrip and maximal dynamic exercise for eliciting left ventricular dysfunction following myocardial infarction.  
Clinical Science 1983; 64: 46-47P
33. Sonecha TN, Lahiri A, Crawley JCW, Cooper WD, Raftery EB.  
Correlation between left ventricular segmental wall motion abnormalities and global ejection fraction.  
Clinical Science 1983; 64: 47P
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Improved prediction of coronary artery disease by combined thallium 201 scintigraphy and multiple variable stress electrocardiography.  
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39. Jones RI, Lahiri A, Bowles M, Crawley JCW, Raftery EB.  
The effect of maximal exercise on left ventricular ejection fraction following myocardial infarction.  
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A miniature solid-state mercuric iodide probe detector for monitoring left ventricular performance.  
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Clinical Science 1984; 66: 2, 27P

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Exercise-induced left ventricular dysfunction precedes ST segment depression in patients with angina: a non-imaging nuclear probe study.  
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