

CURRICULUM VITAE
Peter Lloyd Tilkemeier, M.D.

Personal Information:

Citizen: United States

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Education:

1977 - 1981 B.M.S. Northwestern University, Evanston, IL
1979 - 1983 M.D. Northwestern University, Chicago, IL
1998 - 2001 MMM, Carnegie-Mellon University, Pittsburgh, PA

Postgraduate Training:

1983 - 1984 Intern in Medicine, Saint Francis Hospital,
Hartford, Connecticut

1984 - 1986 Resident in Medicine, Saint Francis Hospital,
Hartford, Connecticut

1986 Chief Resident, Internal Medicine, Saint Francis Hospital,
Hartford, Connecticut

1986 - 1988 Brown University Integrated Hospitals Cardiology Program,
Providence, Rhode Island

1988 - 1989 Harvard University, Research Fellow in Medicine (Nuclear
Cardiology), Boston, Massachusetts

Awards and Honors:

1988 Syntex Scholarship
1995 Finalist, American College of Physician Executives National
Award Program

Awards and Honors (continued):

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| 1996 | Leadership Commitment Award, American Heart Association, RI Affiliate |
| 1998 | Physician of the Year Award, American Heart Association, RI Affiliate |
| 1998 | Master of Arts <u>ad eundem</u> , Brown University |
| 1998 | Advanced Standing, American College of Physician Executives |
| 1999
in | Teacher of the Year Award, Brown University Combined Program
Cardiovascular Disease |
| 2005 | Dean's Teaching Excellence Award, Internal Medicine Clerkship |

Licensure and Certification:

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| 1983- | National Board of Medical Examiners, Diplomat |
| 1985- | Connecticut License Registration |
| 1986 - 1988 | Rhode Island Limited License |
| 1986- | American Board of Internal Medicine, Diplomat |
| 1988- | Massachusetts Limited License #95311 |
| 1989- | Rhode Island License #7519 |
| 1991- 2001 | American Board of Internal Medicine, Cardiovascular Diseases,
Diplomat |
| 2001 -2011 | American Board of Internal Medicine, Cardiovascular Disease,
Diplomat (recertified) |
| 1996- | Certification Council of Nuclear Cardiology, Diplomat |

Academic Appointments:

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| 1987- | Assistant Clinical Instructor, Brown University |
| 1988- | Research Fellow in Medicine, Harvard University |
| 1989 - 1997 | Assistant Professor, Brown University |
| 1997- | Associate Professor, Brown University |

Hospital Appointments:

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| 1986 - 1988 | Provisional Staff, Manchester, Memorial Hospital,
Manchester, Connecticut |
| 1988 - 1989 | Clinical Research Fellow, The Massachusetts General Hospital, |

Boston, Massachusetts

1988 - 1989 Provisional Staff, Spaulding Rehabilitation Hospital,
Boston, Massachusetts

Hospital Appointments (continued):

- 1989 - Active Staff, Director, Nuclear Cardiology, The Miriam Hospital, Providence, Rhode Island
- 1990 - Director, Exercise ECG Laboratory, The Miriam Hospital, Providence, Rhode Island
- 1991- 1992 Acting Director, Cardiac Rehabilitation, The Miriam Hospital, Providence, Rhode Island
- 1992 - 1996 Director, Cardiac Rehabilitation, The Miriam Hospital, Providence, Rhode Island
- 1994 - 2004 Director, Combined Fellowship Program in Cardiovascular Diseases, Brown University
- 1996 - 1997 Director, Cardiac Rehabilitation, Lifespan Health Care System, Providence, Rhode Island
- 1999- 1999- Director, Cardiac Rehabilitation, Lifespan Health Care System, Providence, Rhode Island
- 2004 - Associate Director, Brown University Cardiovascular Disease Fellowship Program

Other Appointments:

- 1989- Editorial Functions - Review Scientific Articles for the following Journals
- American Journal of Cardiology
 - American Journal of Noninvasive Cardiology
 - Journal of the American College of Cardiology
 - Chest
- 1994 Scientific Committee, Second International Congress of Nuclear Cardiology
- 1995 - 2001 Electronic Communications Task Force, American Society of Nuclear Cardiology
- 1996- Contributor American Board of Internal Medicine Re-certification Examination
- 1997- 2002 DICOM Working Group I Committee member reporting to American Society of Nuclear Cardiology
- 1997 Co-Moderator, Scientific Session American College of Chest Physicians, Annual Meeting
- 1998- Imaging Consultant, Philips- ADAC Labs
- 2000 - Coordinator, Read with the Experts, New England Nuclear Cardiology Working Group

- 1999 - American College of Chest Physicians Annual Meeting abstract reviewer
- 2001 Society of Nuclear Medicine Annual Meeting abstract reviewer
- 2000 Co-Moderator, Scientific Session Society of Nuclear Medicine, Annual Meeting
- 2001 - National Pharmacy and Therapeutics Committee, CIGNA Healthcare

Other Appointments (continued):

- 2001 - Site and program reviewer, Intersocietal Commission for the Accreditation of Nuclear Medicine Laboratories
- 2003 - Board Member, Intersocietal Commission for the Accreditation of Nuclear Medicine Laboratories
- 2003 - Co-chair, American Society of Nuclear Cardiology and Society of Nuclear Medicine, DICOM committee
- 2003 - Member – Quality Assurance Committee, American Society of Nuclear Cardiology

Hospital and Community Committees:

- 1989 - 1996 House Staff Search Committee, Miriam Hospital
- 1991- Brown University Integrated Fellowship Search Committee
- 1991- 1999 Blood Component Utilization Committee, Miriam Hospital
- 1991- 1998 American Heart Association (RI Affiliate) Research Committee
- 1993- Department of Medicine, Research Review Committee, Miriam Hospital
- 1993 - 1999 Board of Directors, University Physicians Foundation
- 1994- 1998 Inpatient Mortality QA Committee (Chairman)
- 1994 - 1997 Graduate Medical Education Committee, Roger Williams Medical Center
- 1995 - 2001 Educational Affairs Council, Lifespan Health Care System
- 1996 - 1998 Chairperson - American Heart Association Research Committee, Rhode Island Affiliate
- 1996 - Board of Directors, American Heart Association, Rhode Island Division
- 1997 -1999 President-elect, American Heart Association, Rhode Island Division
- 1997- House Staff Search Committee, Brown University (Lifespan)
- 1997- Board of Directors, American Heart Association, New England Affiliate
- 1998 - Administration Subcommittee, Department of Medicine Unification Committee, Lifespan Academic Medical Center

1998 - 2000 Cardiology Foundation Subcommittee, Department of Medicine
Unification Committee, Lifespan Academic
Medical Center
1998- 2001 Research Committee, American Heart Association, New England
Affiliate
1999- 2001 President, American Heart Association, RI Division
2000- Academic Affairs Committee, University Cardiology Foundation
2000- Board of Directors, University Cardiology Foundation
2000 - 2005 Graduate Medical Education committee, Rhode Island Hospital
2000 - Lifespan Healthcare System, Pharmacy and Therapeutics committee
2001 - 2002 Department of Medicine Quality Assurance committee, Lifespan
Academic Medical Center
2002 - Chairperson, Medication Safety Team, Miriam Hospital
2004 - IHE Cardiology Planning Committee, American College of
Cardiology
2005 - Co- chairman Continuing Medical Education Committee, Lifespan
Academic Medical Center

University Committees:

1996 - 1998 Assessment Committee on Organ and Organ System Knowledge
Base, Curriculum MD 2000
1997 - 1999 Basic Biology of Cells Assessment Committee, Curriculum, MD
2000

Memberships in Societies:

1985 - 1997 American College of Physicians - Member
1987 American College of Cardiology - Associate
1989 - Society of Nuclear Medicine - Member
1992 - American College of Cardiology - Fellow
1992 - 2002 American Federation for Clinical Research
1993 - American Association of Nuclear Cardiology
1993 - American Society of Nuclear Cardiology
1994 - American Heart Association (Clinical Council)- Fellow
1994 - American Association of Cardiovascular and Pulmonary
Rehabilitation
1995 American College of Sports Medicine, New England Chapter
1997 - American College of Physician Executives

Publications (Peer Reviewed):

1. Tilkemeier, PL, Thompson, PD, Acute pancreatitis possibly related to Enalapril, New England Journal of Medicine, 318 (19):1275, 1988.

2. Heller, GV, Tilkemeier, PL, Intracoronary Thallium-201 imaging: Role in assessing viable myocardium and applications in thrombolytic therapy, American Journal of Cardiac Imaging, 2(4):304, 1988.
3. Tilkemeier, PL, Khan AH, Temporary pacing catheter placement in patients requiring continuous external pacing, Clinical Cardiology, 12(3):155, 1989.
4. Tilkemeier, PL, Burt, D, Lovering, E, Heller, GV, Severe brady arrhythmia following dipyridamole ingestion, American Journal of Non-invasive Cardiology, 3:181, 1989.
5. Tilkemeier, PL, Guiney TE, LaRaia PJ, Boucher, CA, Prognostic value of pre-discharge low-level exercise Thallium testing after acute thrombolysis treatment of myocardial infarction, American Journal of Cardiology, 66:1203, 1990.
6. Heller, GV, Ahmed, I, Tilkemeier, PL, Garber, CG, et al., Comparison of chest pain, electrocardiographic changes, and Thallium-201 scintigraphy during varying exercise intensities in men with stable angina pectoris, American Journal of Cardiology, 68(6):569, 1991.

Publications (Peer Reviewed) (continued):

7. Sadaniantz, A, Tilkemeier, PL, Emaus, SP, Garber, CE, Heller, GV, Right ventricular function following acute inferior myocardial infarction: Lack of significance of precordial S-T segment depression, American Journal of Cardiac Imaging, 5(3):175, 1991.
8. Tilkemeier, PL, Sadaniantz, A, Warren, LS, Emaus, SP, Heller, GV, Provocable ischemia following inferior myocardial infarction, Coronary Artery Disease, 2:843, 1991.
9. Heller, GV, Ahmed, I, Tilkemeier, PL, Barbour, M, Garber, CE, Influence of Exercise Intensity Upon the Presence, Distribution, and Size of Thallium-201 Defects, American Heart Journal, 123:909, 1992.
10. Ben-Zur, UM, Gross, JN, Goldberger, MH, Tilkemeier, PL, Weyman, AK, Furman, S, Oversensing of Pacemakers in the Bipolar Pacing Configuration: Paradoxical Resolution with Programming to Unipolar Sensing, American Heart Journal, 128(3):617-619, 1994.

11. Tilkemeier, PL, Katz, AS, Parisi, AF, The Role of Noninvasive Testing in Evaluating Patients for Coronary Artery Disease, *Current Opinion in Cardiology*, 11(4), 1996.
12. Tilkemeier, PL, Sturges, RL, Inpatient Mortality: An Opportunity to Improve Outcomes through Total Quality Management, *Innovations '96: Models for Medical Management*, American College of Physician Executives, Tampa, FL, p. 37-39, 1996.
13. Bock, BC, Albrecht, AE, Traficante, RM, Clark, MM, Pinto, BM, Tilkemeier, PL, Marcus, BH, Predictors of Exercise Adherence Following Participation in A Cardiac Rehabilitation Program, *International Journal of Behavioral Medicine*, 4(1):60-75.
14. Conte, FJ, Tilkemeier, PL, Successful Treatment of Vasospastic Angina and Symptomatic Polymorphic Ventricular Tachycardia with Calcium Antagonists and Nitrate Based on a Diagnosis Made with Exercise Tl-201 Imaging, *Journal of Nuclear Cardiology*, 3(6):550-551, 1996.
15. Sacks, FM, Pfeffer, MA, Moye, LA, Rouleau, JL, Rutherford, JD, Cole, TG, Brown, L, Warnica, JW, Arnold, JMO, Wun, C-C, Davis, BR, Braunwald, E, for the CARE Investigators, The Effect of Pravastatin on Coronary Events After Myocardial Infarction in Patients with Average Cholesterol Levels, *NEJM*, 335(14):1001-1009, 1996. Co-principal Investigator.
16. Engebretson, TO, Clark, MM, Niaura, RS, Phillips, TE, Albrecht, AE, Tilkemeier, PL, Quality of Life and Negative Affect in a Phase II Cardiac Rehabilitation Program, *Medicine and Science in Sports and Exercise*, 1996.
17. Ramratnam, B, Kelly, G, Mega, A, Tilkemeier, PL, Schiffman, F, Determinants of Case Selection at Morning Report, *Journal of General Internal Medicine*, 12(5):263-266.

Publications (Peer Reviewed) (continued):

18. Tilkemeier, PL, VanTrain, KF, Bacharach, SL, The DICOM Standard in Nuclear Cardiology in Digital Cardiac Imaging in the 21st Century, eds. Kennedy, Nissen, Simon, Thomas, Tilkemeier, American College of Cardiology, 1997.
19. Saketkhou, BB, Conte, FJ, Noris, M, Tilkemeier, PL, Miller, G, Forman, DE, Cannistra, L, Leavitt, J, Sharma, SC, Garber, C, Parisi, AF, Emergency Department Use of Aspirin in Patients with Possible Acute Myocardial Infarction, *Annals of Internal Medicine* 127(2); 1997.

20. Katz, A, Tilkemeier, PL. Multimedia Image Display - A View to the Future, Current Opinion in Cardiology 12(6), 1997.
21. Engebretson, TO, Clark MM, Niaura RS, Phillips T, Albrecht A, Tilkemeier, PL, Quality of Life and Anxiety in a Phase II Cardiac Rehabilitation Program, Medicine & Science in Sports & Exercise, 1998.
22. Cohen RA, Moser DJ, Clark MM, Aloia MS, Cargill BR, Stefanik S, Albrecht A, Tilkemeier PL, Forman, DE, Neurocognitive Functioning and Improvement in Quality of Life Following Participation in Cardiac Rehabilitation, Am J Cardiology 83; 1999.
23. Moser DJ, Cohen RA, Clark MM, Aloia MS, Tate BA, Stefanik S, Forman DE, Tilkemeier PL, Neuropsychological Functioning Among Cardiac Rehabilitation Patients, J Cardiopulmonary Rehabil 19; 1999.
24. Wu WC, Tilkemeier PL, The Significance of Right Ventricular Visualization on Stress Sestamibi in a Patient Post Atrial Septal Defect Repair with Dyspnea, Journal of Nuclear Cardiology, 9:236-7, 2002.
25. Bock BC, Carmona-Barros RE, Esler JL, Tilkemeier PL, Program participation and physical activity maintenance after cardiac rehabilitation, Behavior Modification. 27(1):37-53, 2003 Jan.
26. Nicholson WJ, Tuohy KA, Tilkemeier P, Twiddler's Syndrome, New England Journal of Medicine, 348(17):1726-7, 2003 Apr 24.
27. Todaro, J.F., Shen, B.J., Niaura, R., Tilkemeier, P.L., Roberts, B. Do men and women achieve similar benefits from cardiac rehabilitation? Journal of Cardiopulmonary Rehabilitation, 24, 45-51, 2004.
28. Afshar, M., Tilkemeier, P.L. The Utility of Gated SPECT imaging in quantitative and regional ejection fraction, Chest, 127(3):701-702, 2005.
29. Todaro, J.F., Shen, B.J., Niaura, R., Tilkemeier, P.L. Prevalence of depressive disorders in men and women enrolled in cardiac rehabilitation, Journal of Cardiopulmonary Rehabilitation, 25(2):71-75, 2005.

Publications (Peer Reviewed) (continued):

30. Tilkemeier, P.L., Cooke, C.D., Ficaró, E.P., Glover, D.K., Hansen, C.L., McCallister, B.D., Standardized Reporting Matrix for Radionuclide Perfusion Imaging, *Journal of Nuclear Cardiology*, In Press.

Other Publications:

1. Tilkemeier, PL, Travin, MI, Heller, GV. Nuclear Cardiology: New Perspectives for the 1990's, *Rhode Island Medical Journal*, 74 (11):519, 1991.
2. Tilkemeier, PL, "Gated SPECT", Instructional Videotape, ADAC Labs, 1993.
3. Tilkemeier, PL, Wackers, FJTh, Heller, GV, Nuclear Cardiology Self-Assessment Program, (NCSAP) American Society of Nuclear Cardiology, 1995.
4. Tilkemeier, PL, Wackers, FJTh, Heller, GV, Nuclear Cardiology Self-Assessment Program II, (NCSAP-II) American Society of Nuclear Cardiology, 1998.
5. Katz AS, Tilkemeier, PL, The Role of Echocardiography and Nuclear Stress Testing in Evaluating Patients for Coronary Artery Disease. *Current Practice of Medicine*, 1998.

Abstracts:

1. Tilkemeier, PL, Korr, KS, Sadaniantz, A. Pulsed doppler trans-mitral flow indices before and after percutaneous transluminal coronary angioplasty, Annual Meeting, Rhode Island Chapter of the American College of Physicians, April 1988.
2. Tilkemeier, PL, Guiney, TE, LaRaia, PJ, Boucher, CA. Limited prognostic value of pre-discharge low-level exercise thallium testing after thrombolytic treatment of myocardial infarction, *JACC*; 15(2); 219, 1990.
3. Heller, GV, Ahmed, I, Tilkemeier, PL, Warren LS, Carleton, RA, Garber, CE. Silent Myocardial Ischemia: A Function of Workload? *JACC*; 15(2); 45A, 1990.
4. Tilkemeier, PL, LaBresh, KA, Blaustein, AS, Korr, KS, Heller, GV, Thallium-201 Uptake by the Lungs During Oral Dipyridamole Thallium-201 Imaging, *JACC*; 5(2); 14A, 1990.
5. Garber, CE, Carleton, RA, Ahmed, I, Tilkemeier, PL, Ahlberg, A, Heller, G, Limited Applicability of the Bruce Protocol for Exercise Prescription, *American College of Sports Medicine*, May 1990.

6. Heller, GV, Tilkemeier, PL, Ahmed, I, Barbour, M, Garber, CE, Does Exercise Intensity Affect Subsequent Thallium-201 Results?, JACC; 17(2); 182A, 1991.

Abstracts (continued):

7. Tilkemeier, PL, Katz, AS, Emaus, SP, Parisi, AF, Can Echocardiography Predict Thallium Redistribution After Exercise?, Clinical Research, 40(3); 668A, 1992.
8. Gallagher, JG, Tilkemeier, PL, Quantitative Left Ventricular Cavity Size Predicts Multi-vessel Coronary Artery Disease, First International Congress of Nuclear Cardiology April 1993.
9. Tilkemeier, PL, Katz, AS, Emaus, SP, Parisi, AF, Wall Motion Predicts Thallium Redistribution After Exercise, First International Congress of Nuclear Cardiology, April 1993.
10. Engebretson, TO, Clark, M, Phillips, TP, Albrecht, AA, Niaura, R, Tilkemeier, PL, Trait Anxiety, Level of Distress, and Quality of Life when Entering A Cardiac Rehab Program, American Psychosomatic Society, April 14, 1994, Boston, MA.
11. Phillips, TE, Albrecht, AE, Byrne-Maisto, MJ, Martin, SG, Tilkemeier, PL, Evaluating A Safe Exercise Prescription in Patients with Silent Myocardial Ischemia, Journal of Cardiopulmonary Rehabilitation, 14(5); 326, 1994.
12. Coronado, I, Tilkemeier, PL, Variability of Normal Wall Thickening by Quantitative Gated SPECT in a Normal Population, Journal of Nuclear Cardiology, 2(2); S116, 1995.
13. Coronado, I, Tilkemeier, PL, Quantitative Gated SPECT Wall Thickening Improves Novice Interpretations, Society of Nuclear Medicine, June 1995.
14. Lu, Z, McClure, D, Tilkemeier, PL, Simultaneous Reconstruction of Activity Distribution and Attenuation/Scatter Distribution in Myocardial SPECT, IEEE Trans on Medical Imaging, 14:1995.
15. Albrecht, A, Marcus, B, Bock, B, Traficante, R, Martin, S, Weiner, S, Tilkemeier, PL, Applying the Transtheoretical Model of Change to a Cardiac Rehabilitation Setting, Journal of Cardiopulmonary Rehabilitation, 15(5); 372, 1995.
16. Parameswaram, J, Ramratnam, B, Flanigan, TP, Tilkemeier, PL, Palliative Care Practices of Physicians in a Community Teaching Hospital, Journal of Investigative Medicine, 44(3); 316A, 1996.

17. Campbell, ML, Soya, DG, Tilkemeier, PL, High Resolution vs. Low Energy General Purpose Collimation: Is One Better for Imaging Dual Isotope Myocardial Perfusion Scans, *Journal of Nuclear Medicine Technology*, 24(2); 172, 1996.
18. Engebretson, T, Tilkemeier, PL, Niaura, R, Stoney, C, Matacin, M, Dev, S, Hostility and Thallium-201 Determined Heart Disease, *Society of Behavioral Medicine*, March 14, 1996, Washington, DC.

Abstracts (continued):

19. Cohen, RA, Aloia, M, Clark, M, Tilkemeier, PL, Tate, B, Jenkins, M, Neurobehavioral Deficits Associated with Cardiovascular Disease, *Journal of the International Neuropsychology Society*, 2(3); 190, 1996.
20. Nahhas, GT, Bouffard, RA, Moretti, JA, Hills, E, Tilkemeier, PL, Structured vs. Non-structured Cardiac Rehabilitation after Coronary Artery Bypass Surgery: An Outcome Based Analysis, *Journal of the American College of Cardiology*, 31(2); 171A, 1998.
21. DeAngelis, J, Stefanik, S, Tilkemeier, P, Individualizing Cardiac Rehab Education, *Journal of Cardiac Rehabilitation*, 2001.

Invited Presentations:

1. “Nuclear Cardiology - New Concepts”, Pittsburgh Area Society of Nuclear Medicine Meeting, Pittsburgh, PA, April 1993.
2. “Gated SPECT”, Users Meeting, Society of Nuclear Medicine Annual Meeting, Toronto, Canada, June 1993.
3. “Advances in Myocardial Imaging: Role of Nuclear Cardiology”, Sunfest Cardiology Conference, Salisbury, MD, September 1993.
4. “Gated SPECT Imaging”, Missouri Valley Chapter Society of Nuclear Medicine, Kansas City, MO, October 1993.
5. Nuclear Cardiology Consultant, Good Samaritan Hospital, West Palm Beach, Florida, October 1993.

6. "Gated SPECT - Clinical Applications and Interpretation", University Carl Gustavus Carus, Dresden, Germany, November 1993.
7. "Nuclear Cardiology in the 90's", Medical Grand Rounds, Good Samaritan Hospital, San Jose, CA, March 1994.
8. "You and Your Cholesterol", Men's Winter Wellness Series, Miriam Hospital, Providence, RI, March 1994.
9. "Cholesterol - Importance in Patients with Hypertension", National High Blood Pressure Month Public Education Forum, RI Chapter AHA and Miriam Hospital, Providence, RI, May, 1994.
10. "New Directions in Nuclear Cardiology", Louisiana Society of Nuclear Medicine, New Orleans, LA, July 1994.

Invited Presentations (continued):

11. "Risk Stratification of Patients after Myocardial Infarction", Topics in Internal Medicine, Memorial Hospital of Rhode Island, Pawtucket, RI, March 1995.
12. "Cholesterol Update", New England Osteopathic Annual Convention, Newport, RI, September 1995.
13. "Perspectives in Nuclear Cardiology", Mid-Maine Medical Center, Medical Grand Rounds, Waterville, Maine, September, 1995.
14. Invited Participant, "Cardiovascular Disease Management: Risk Factor Counseling Workshop", American Heart Association, Houston, Texas, October, 1995.
15. "Cholesterol Management - 1995", North Attleborough Medical Associates, North Attleborough, MA, November 1995
16. "Action for Preservation - Early Heart Attack Intervention", Lifespan Philanthropy Day,

- Providence, Rhode Island, November 1995. "Primary and Secondary Prevention - Cholesterol Management after the 4S and West of Scotland Trials", Brown University Cardiology Fellows Seminar, Providence, Rhode Island, December 1995.
17. "Cardiac Rehabilitation for You and Your Family", National Heart Month Educational Forum, Lifespan Health Care System, Providence, RI, February, 1996.
 18. "Update in Cardiac Rehabilitation", Providence Visiting Nurse Association Educational Forum, Providence, RI, May 1996.
 19. "High Tech View of Innovations and Therapies for Cardiovascular Wellness", The Miriam People Dinner, Providence, RI, May 1996.
 20. Primary Prevention Speakers Bureau, Bristol-Myers Squibb, 1996.
 21. Invited Participant, American Heart Association Research Programs: Preparing for the 21st Century Consensus Conference, Dallas, TX, September, 1996.
 22. "Application of the DICOM Standard in Nuclear Cardiology - Technical and Practical Implications", American College of Cardiology Annual Scientific Sessions, 1997.
 23. Hypercholesterolemia Speakers Bureau, Pfizer, 1997.
 24. "Attenuation correction, scatter correction, and resolution enhancement - How Close are We to the Holy Grail" - Cardiology Grand Rounds, Memorial Hospital of Rhode Island, March 17, 1998.
 25. Physician Education Seminars - "Attenuation correction - clinical perspectives", ADAC Laboratories, 1998.
- Invited Presentations (continued):
26. American Society of Nuclear Cardiology-3rd Annual Tutorial, "Read with the experts," New Orleans, LA September 11-13, 1998.
 27. Society of Nuclear Medicine 47th Annual Meeting, "Read with the Experts," St. Louis, MO,

- June 3-7, 2000.
28. “Attenuation Correction”, Users Meeting, Society of Nuclear Medicine Annual Meeting,
St. Louis, MO, June 2000.
 29. “Stress Testing: Who? When? How often? What type?”, Cardiology for the Primary Care
Provider, RI Chapter ACC Meeting, September 2002.
 30. “Connected and Interoperable: The Nuclear Medicine Department of the Future”,
Philips Medical
Systems 2004 User Meeting, Society of Nuclear Medicine, Philadelphia, PA, June
20, 2004.
 31. “DICOM and Connectivity”, 26th Annual High Country Nuclear Medicine
Conference. Vail, CO,
March 2, 2005.
 32. “IHE and Cardiology: An Introduction”, American College of Cardiology, Annual
Meeting,
Orlando, FL, March 7, 2005.
 33. “Cardiac Prevention and Rehabilitation”, Miriam Hospital Women’s Association,
Providence, RI,
April 4, 2005

Grants:

1. Adenosine Levels with Pacing Before and After Angioplasty, American Heart
Association, RI
Affiliate, \$14,000, July 1991 - December 1992, Principal Investigator.
2. Efficacy and Safety of Simvastatin in Hypercholesterolemia, Merck, Sharp, and
Dohme, \$10,000,
August 1992 -June 1993, Site Coordinator.
3. Cholesterol and Recurrent Events (CARE), Bristol-Myers Squibb, \$18,700, 1991 -
1996, Co-
Investigator.
4. Technetium-99m Sestamibi in the Evaluation of Submaximal Exercise, R.I.
Foundation, \$3,900.
January 1993 - December 1993, Principal Investigator.
5. Diastolic Function with Varying AV Conduction Intervals, Medtronic, Inc., \$6,200,
August 1993 -
June 1994, Principal Investigator.
6. Detection of Acute Coronary Syndromes with Attenuation Corrected Tc-99m
Tetrofosmin Imaging,

- Amersham Healthcare, \$13,000, November 1996 - 1999, Investigator.
7. Heart Disease, CNS Dysfunction & Outcome in the Elderly, National Institute on Aging \$720,000, 2001-2005, Co-investigator.
 8. Benefits of Cardiac Rehabilitation in Men and Women, National Heart, Lung and Blood Institute, \$2.7 million, 2001-2005, Co-investigator.
 9. Randomized, single-blind, two-arm crossover, dose selection study of MRE470 as an adjunct to myocardial perfusion imaging, King Pharmaceuticals, \$40,000, 2003, Co-investigator.

Grants (continued):

10. Observational study of outcomes following vasodilator stress induced myocardial perfusion imaging, King Pharmaceuticals, \$20,000, 2003, Co-investigator.
11. Tailored Exercise Support for Cardiac Patients, National Heart, Lung and Blood Institute (R01 HL075561-01), \$1.4 million, 2004-2008, Co-investigator.
12. Maintenance of Exercise in Cardiac Rehabilitation, National Heart, Lung and Blood Institute (R01 HL76734), \$2.31 million, 2004 – 2008, Co-investigator.

University Teaching Roles:

1991 - House Staff Noon Conference, “Laboratory Evaluation of Angina”

- Didactic presentation and problem based learning used to convey knowledge
- One session per year, 1 hour per session (Direct contact: 1 hour annually; preparation 1 hour annually)
- Twenty to thirty medical students and residents per session

1992 - Preceptor - Third Year Clerkship in Medicine (Biomed 301)

- Activities include: written and oral presentation of cases, review of physical examination, assessment of medical problems, and determination of medical management.
- Six week rotation; 2 sessions per week (direct contact: 24 hours annually; preparation 12 hours annually)

1992 - Course Director “Nuclear Cardiology Imaging Preceptorship”, National and International

- Coordinate schedules and topics of all lecturers
- Insure quality and accuracy of information covered
- Continually revise content of program and lecture material to keep material up to date

- Keep CME accreditation current (21 hours of CME offered for participants)
- Deliver lectures and cover for other participants for emergency absences (patient care related)
- Direct contact: 120 hours annually; preparation: 60 hours annually

1994 - Director, Brown University Combined Program in Cardiovascular Diseases
2004

- Recruitment of 4-6 fellows yearly (approximately 500 applicants, 50 interviewees)
- Ongoing evaluation of fellows, attending staff, and rotations
- Development, implementation, and revision of curriculum
- Maintain program accreditation (ACGME)
- Resource for fellows including: Literature review, study design, statistical analysis, Curriculum Vitae review, counseling (personal, job opportunities, interpersonal relationships, etc.), contract review.
- Direct contact: 250 hours annually; indirect contact: 500 hours annually

University Teaching Roles (continued):

1996 House staff Noon Conference, “Cardiac Rehabilitation”, The Miriam
Hospital

- Didactic presentation and problem based learning used to convey knowledge
- One session per year, 1 hour per session (Direct contact: 1 hour annually; preparation 1 hour annually)
- Twenty to thirty medical students and residents per session

1997 - Instructor, Brown University Biomed 281, Pathophysiology,
Cardiovascular Section.

- Instructed small group sessions regarding use of nuclear cardiology techniques in the diagnosis of cardiac disease
- Demonstrated nuclear cardiology images to students