

CURRICULUM VITA
JAMES L. TATUM, MD FCCP

CURRENT POSITIONS

Attending Physician
Radiology and Nuclear Medicine Service
Veterans Health Administration
Department of Veterans Affairs

Special Volunteer Consultant
Division of Cancer Treatment and Diagnosis
National Cancer Institute
National Institutes of Health



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CERTIFICATION/LICENSURE

Medical Virginia (b) (6)
 Maryland (b) (6) (Inactive)
 North Carolina (b) (6) (Inactive)

Board Certifications	National Board of Medical Examiners	1974
	American Board of Radiology, Diagnostic Radiology	1977 indefinite
	American Board of Nuclear Medicine	1978 indefinite
	Certification Board of Nuclear Cardiology	1996 indefinite

EDUCATION

Medical Virginia Commonwealth University, Medical College of Virginia
 Richmond, Virginia; M.D. 1973

Undergraduate College of William and Mary
 Williamsburg, Virginia; B.S. 1969

POST DOCTORAL TRAINING

1995-1996	T.C. Williams School of Law	University of Richmond
1976-1978	Fellow, Nuclear Medicine	Duke University
1974-1976	Resident, Diagnostic Radiology	VCU, Medical College of Virginia
1973-1974	Intern, Medicine	VCU, Medical College of Virginia

ACADEMIC APPOINTMENTS and ADMINISTRATIVE POSITIONS

2008-2010	Associate Director, Division of Cancer Treatment and Diagnosis National Cancer Institute, National Institutes of Health
2007-2008	Acting Associate Director, Division of Cancer Treatment and Diagnosis National Cancer Institute, National Institutes of Health
2006-2010	Branch Chief, Molecular Imaging National Cancer Institute, National Institutes of Health
2001-2006	Director, Molecular Imaging Center Virginia Commonwealth University
1998-2006	Special Assistant, Cancer Imaging Program DCTD, National Cancer Institute, NIH
1991-2006	Professor of Medicine (Cardiology) VCU, Medical College of Virginia
1987-2006	Professor of Radiology (Nuclear Medicine) VCU, Medical College of Virginia
1999-2003	Associate Vice President for Health Sciences Virginia Commonwealth University
1999-2003	Chairman, Department of Radiology VCU Health System
1992-1999	Chairman, Division of Nuclear Medicine VCU, Medical College of Virginia
1997-1998	Interim Chairman, Department of Radiology VCU, Medical College of Virginia
1982-1987	Associate Professor of Radiology (Nuclear Medicine) VCU, Medical College of Virginia
1978-1982	Assistant Professor of Radiology (Nuclear Medicine) VCU, Medical College of Virginia

MEMBERSHIP IN SCIENTIFIC, HONORARY & PROFESSIONAL SOCIETIES

Alpha Omega Alpha
 Sigma Zeta
 Richmond Radiologic Society
 Richmond Academy of Medicine
 Radiological Society of North America
 American College of Nuclear Physicians (ACNP)
 American College of Chest Physicians (ACCP)
 Society of Nuclear Medicine (SNM)
 Mid-Eastern Chapter, Society of Nuclear Medicine
 President, Vice-President, Treasurer
 American Society of Nuclear Cardiology (ASNC)
 Founding Member
 Academy of Molecular Imaging
 Society for Molecular Imaging
 William Branch Porter Award in Medicine, 1973

Fellow, American College of Chest Physicians
Best Doctors in America 1992/93 edition
Best Doctors in America 1994/95 edition
Best Doctors in Southeastern Region 1995

(b) (6)

COMMITTEE MEMBERSHIPS

Nanotechnology Characterization Laboratory Steering Committee
 Nanotechnology Characterization Laboratory Review Panel
 Small Animal Imaging Program NCI Frederick Steering Committee
 Imaging Drug Group - Chair
 Joint Development Committee
 Coordination Subcommittee
 DCTD Targets Working Group
 NExT Discovery Committee
 NExT Senior Advisory Committee
 Secretary of Veterans' Affairs Blue Ribbon Panel for Cardiac Care
 Ethics Committee (Chairman), Certification Board of Nuclear Cardiology
 VCUHS Information Systems Task Force (Chairman)
 VCUHS Issues Committee
 VCU Strategic Planning Committee
 VCUHS Core Services Budget Committee
 VCUHS Finance & Property Committee
 VCU Academic Clinical Enterprise Steering Committee
 VCU Capital Equipment Committee
 ASNC Chest Pain Center Task Force
 CBNC Practice Analysis Task Force
 VCU Basic Sciences Task Force
 Acute Cardiac Team
 Heart Center Board
 NMR Council, SNM
 Cardiovascular Council, SNM
 Computer and Instrumentation Council, SNM
 FDA Medical Imaging Drugs Advisory Committee
 MCVP Board of Directors
 Radiology Executive Committee
 VCUHS Task Force on Financial & HR Services (Chairman)
 VCUHS Dean's Council MCVH ED Diversion Task Force (Chairman)
 VCU Council of Advisors
 VCU IRB Task Force
 Gateway Planning Committee
 Executive Committee of Faculty
 Executive Committee of Medical Staff
 MCVP Finance Committee
 Chairpersons' Advisory Council
 VCU FACR Proposal Committee

(b) (4)

Patient Care Research Database Committee
 ED Chairman Search Committee
 Emergency Admissions Review & Transitions Help Committee

(b) (4)

Cardiovascular Transplant Patient Care Services Committee
 MCVP Malpractice Claims Committee

Physician's Advisory Committee, E.I. DuPont
 Cardiomyoplasty Committee
 Medical School Accreditation Committee
 Radiology Information System Committee
 (b) (4)

Physician Advisor, Squibb Diagnostics
 Nuclear Cardiology Committee, NIH-BARI
 ASNC Liaison, Organizations United
 ASNC, Ad Hoc Committee on HCFA Practice Expense Matters
 Government Relations Committee, ASNC
 Government Policy Committee, ASNC
 Government Relations Committee, SNM
 Trustee, SNM
 Scientific Program Committee, MES-SNM
 Government Key Contact, ACNP
 QA and PC Committee, ACNP
 Vice-Chairman, Government Relations Committee, ACNP

SCIENTIFIC MEETING ADMINISTRATIVE ACTIVITIES

Program Chairman, Annual Meeting of the Mid-Eastern Chapter of the Society of Nuclear Medicine, April 1989, April 1990.

Moderator, Myocardial Viability Symposium, 20th Meeting of the Mid-Eastern Chapter of the Society of Nuclear Medicine, April 1990.

Local Arrangements Chairman, Annual Meeting of the Mid-Eastern Chapter of the Society of Nuclear Medicine, April 1991-1994.

Judge, Young Investigators Award in Nuclear Cardiology, 40th Annual Meeting of the Society of Nuclear Medicine, Toronto, Canada, June 1993.

Moderator, Brain and Bone Symposium, 24th Meeting of the Mid-Eastern Chapter of the Society of Nuclear Medicine, April 1994.

Faculty Participant, Nuclear Cardiac Imaging: Real Issues and Real Answers. 42nd Annual Meeting of the Society of Nuclear Medicine, Minneapolis MN, June 1995.

Co-Chairman, New Applications of Myocardial Perfusion Imaging in Acute Care: Implementation and Procedures. 42nd Annual Meeting of the Society of Nuclear Medicine, Minneapolis MN, June 1995.

Reviewer, Scientific Abstracts, Second International Conference of Nuclear Cardiology, Cannes, France, April 1996.

Judge, Scientific Exhibits, Second International Conference of Nuclear Cardiology, Cannes, France, April 1996.

Co-Director, A Systematic Approach to the Management of Chest Pain: A Paradigm for Re-Engineering in Medicine. Williamsburg VA, May 30-June 1, 1996.

Moderator, Panel Discussion, The Health Care Enigma of the 90's: Quality v Cost Containment. A Systematic Approach to the Management of Chest Pain: A Paradigm for Re-Engineering in Medicine, Williamsburg VA, May 1996.

Reviewer, Scientific Abstracts, Third International Conference of Nuclear Cardiology, Florence, Italy, April 1997.

Moderator, Panel Discussion, Bridging the Health Care Enigma of Quality vs. Cost Containment. Systematic Approach to the Management of Chest Pain: A Paradigm for Re-Engineering in Medicine, Squaw Creek CA, September 1997.

Moderator, Scientific Session #2. 28th Meeting of the Mid-Eastern Chapter of the Society of Nuclear Medicine, Ocean City MD, April 1998.

Guest Expert, Medical Imaging Drugs Advisory Committee, Food & Drug Administration, Gaithersburg MD, June 1999.

Co-Chairman, Imaging in 2020, Jackson Hole WY, September 1999.

Co-Chairman, Quantitative Analysis of Tumor Biochemistry using PET and SPECT, Bethesda MD, November 1999.

Chairman, Angiogenesis Imaging Methodology: Role of Imaging in Clinical Trials of Anti-Angiogenic Therapy in Oncology, Lake Tahoe NV, February 2000.

Moderator, Validation of Angiogenesis Models in Imaging, Bethesda MD, TBS 2001.

Co-Chairman, Imaging in 2020 II, Jackson Hole WY, October 2001.

Co-Chairman, Pre-Clinical Angiogenesis Imaging Models, Washington DC, July 2001.

Co-Chairman, Imaging in 2020 III, Jackson Hole WY, September 2003.

Organizer, Hypoxia: Importance in Tumor Biology, Non-Invasive Measurement by Imaging, and Value of Its Measurement in the Management of Cancer Therapy, Mesa AZ, April 2004.

Co-Chairman, Imaging in 2020 IV, Jackson Hole WY, September 2005.

Member, Nano-Bio Working Group, Chesapeake Nanotechnology Initiative, 2005.

Co-Chairman, Imaging in 2020 V, Jackson Hole WY, September 2007.

Scientific Committee - 20th EORTC-NCI-AACR symposium on Molecular Targets and Cancer Therapeutics, Geneva, Switzerland, 21 -24 October 2008

Session Chair and Speaker *Imaging Molecular Targets*- 20th EORTC-NCI-AACR symposium on Molecular Targets and Cancer Therapeutics, Geneva, Switzerland, 21 -24 October 2008

Organizer, Imaging in 2020 V, Jackson Hole WY, September 2009

Scientific Committee – 21st EORTC-NCI-AACR symposium on Molecular Targets and Cancer Therapeutics, Boston, MA, November 2009.

Scientific Committee – 22nd EORTC-NCI-AACR symposium on Molecular Targets and Cancer Therapeutics, Berlin, Germany, 2010.

SCIENTIFIC PAPERS

Journal Articles

1. Tatum JL, Beck JW, Goodrich JK, Jones RH. Dual angle simultaneous imaging: Application of Nuclear Cardiology. *Medical Imaging*, 1978.
2. Tatum JL, Briner WH, Goodrich JK. Radioiodination of biologically active compounds: a simplified solid-state enzymatic procedure. *Inv Radiol* 14(2):185-8, 1979.

3. Beck JW, Tatum JL, Cobb FR, Harris CC, Goodrich JK. Myocardial perfusion imaging using thallium-201: A new algorithm for calculation of background activity. *J Nucl Med* 20(12):1294-300, 1979.
4. Sugerman HJ, Tatum JL, Strash AM, Hirsch JI, Greenfield LJ. Effects of pulmonary vascular recruitment on gamma scintigraphy and pulmonary capillary protein leak. *Surgery* 90(2):388-95, 1981.
5. Tatum JL, Strash AM, Sugerman HJ, Hirsch JI, Beachley MC, Greenfield LJ. Single isotope evaluation of pulmonary capillary protein leak (ARDS model) using computerized gamma scintigraphy. *Inv Radiol* 16(6):473-8, 1981.
6. Beck JW, Tatum JL, Cobb FR, Harris CC, Goodrich JK. Myocardial perfusion imaging using thallium-201: A new algorithm for calculation of background activity. *Yearbook of Nuclear Medicine*, pp. 45-7, 1981.
7. Tatum JL, Burke TS, Fratkin MJ, Sharpe AR, Goodrich JK. Relative decreased splenic uptake of Tc-99m-sulfur colloid in patients with pancreatic carcinoma. *Clin Nucl Med* 7(1):1-4, 1981.
8. Sugerman HJ, Hirsch, JI, Tatum JL, Strash AM, Greenfield LJ. Comparative scintigraphy in oleic acid pulmonary microvascular injury. *Crit Care Med* 10(1):31-3, 1982.
9. Sugerman HJ, Strash AM, Hirsch, JI, Shirazi K, Tatum JL, Mathers JAL, Greenfield LJ. Scintigraphy and radiography in oleic acid pulmonary microvascular injury: Effects of positive end-expiratory pressure (PEEP). *J Trauma* 22(3):179-85, 1982.
10. Tatum JL, Burke TS, Sugerman HJ, Strash AM, Hirsch JI, Fratkin MJ. Computerized scintigraphic technique for the evaluation of adult respiratory distress syndrome: Initial clinical trials. *Radiology* 143(1):237-41, 1982.
11. Sugerman HJ, Tatum JL, Burke TS, et al. Gamma scintigraphic analysis of albumin flux in patients with ARDS. *Amer Rev Resp Dis* 125:279, 1982.
12. Sugerman HJ, Tatum JL, Hirsch JI, et al. Gamma scintigraphic localization of platelets labeled with Indium-111 in a focus of infection. *Arch Surg* 118(2):185-9, 1983.
13. Lull RJ, Tatum JL, Sugerman HJ, Hartshore MF, Boll DA, Kaplan KA. Radionuclide evaluation of lung trauma. *Semin Nucl Med* 13(3):223-37, 1983.
14. Tatum JL, Burke TS, Hirsch JI, Miller WW, Fratkin MJ. Pitfall to modified in vivo method of technetium-99m red blood cell labeling: iodinated contrast media. *Clin Nucl Med* 8(12):585-7, 1983.
15. Hoffman MJ, Greenfield LJ, Sugerman HJ, Tatum JL. Unsuspected right ventricular dysfunction in shock and sepsis. *Ann Surg* 198(3):307-19, 1983.
16. Sugerman HJ, Blocher CR, Hirsch JI, Strash AM, Tatum JL. Failure of various agents to decrease oleic acid pulmonary albumin leak. *J Surg Res* 34(5):456-62, 1983.
17. Fratkin MJ, Newsome HH Jr, Sharpe AR Jr, Tatum JL. Cervical distribution of iodine 131 following total thyroidectomy for thyroid cancer. *Arch Surg* 118(7):864-7, 1983.
18. Buchman SR, Sugerman HJ, Tatum JL, Wright TP, Blocher CR, Hirsch JI. Failure of methylprednisolone, ibuprofen or prostacyclin to reduce HCl-induced pulmonary albumin leak in dogs. *Surgery* 96(2):163-70, 1984.
19. Sugerman HJ, Tatum JL, Burke TS, Strash AM, Glauser FL. Gamma scintigraphic analysis of albumin flux in patients with acute respiratory distress syndrome. *Surgery* 95(6):674-82, 1984.
20. Tatum JL, Burke TS, Hirsch JI, Fratkin MJ. Artifactual focal accumulation of Tc-99m bone imaging tracer in the chest: Technical note. *Clin Nucl Med* 10(1):16-8, 1985.

21. Shih WJ, Tatum JL, Burke TS. Splenic defect on 99mTc-sulfur colloid scintigraphy but not on CT in a patient with pancreatic carcinoma. *Eur J Nucl Med* 10:554-6, 1985.
22. Wright TP, Sugerman HJ, Tatum JL, Hirsch JI, Sharp DE, Qureshi GD. Comparison of indium-111-labeled platelets v leukocytes in a pyogenic abscess. *Arch Surg* 120:137-41, 1985.
23. Burke TS, Tatum JL, Fratkin MJ. Discordant findings in technetium-99m pertechnetate and iodine-123 thyroid imaging caused by vascular retention in the superior vena cava. *Clin Nucl Med* 10(10):716-8, 1985.
24. Lee EC, Sugerman HJ, Tatum JL, Wright TP, Hirsch PO, Hirsch JI: Effects of ibuprofen in a pig pseudomonas ARDS model. *J Surg Res* 40(5):438-44, 1986.
25. Merz T, Tatum JL, Hirsch JI. Technetium-99m labeled lymphocytes: A radiotoxicity study. *J Nucl Med* 27:105-10, 1986.
26. Burke TS, Tatum JL, Fratkin MJ. Rib artifact demonstrated on xenon-133 lung imaging. *Clin Nucl Med* 12(2):147, 1987.
27. Harvey CF, Sugerman HJ, Tatum JL, Sielaff TD, Lee EC, Blocher CR. Ibuprofen and methylprednisolone in a pig Pseudomonas ARDS model. *Circ Shock* 21(3):175-83, 1987.
28. Sielaff TD, Kellum JM, Sugerman HJ, Kuemmerle JF, Tatum JL. Serotonin receptor blockade improves cardiac output and hypoxia in porcine ARDS. *J Surg Res* 43:118-27, 1987.
29. Rehr RB, Clarke G, Tatum JL, Hirsch JI, Fatouros P, Lower RR, Wetstein L. Intracellular myocardial pH measured in vivo with sustained and reperfused coronary occlusion. *Surgery* 102:178, 1987.
30. Sielaff TD, Sugerman HJ, Tatum JL. Successful treatment of adult respiratory distress syndrome by histamine and prostaglandin blockade in a porcine Pseudomonas model. *Surgery* 102(2):350-7, 1987.
31. Sielaff TD, Sugerman HJ, Tatum JL, Kellum JM, Blocher CR. Treatment of porcine Pseudomonas ARDS with combination drug therapy. *J Trauma* 27(12):1313-22, 1987.
32. Tatum JL, Rehr RB, DiSciascio G, Romhilt DW, Fratkin MJ. Thallium-201/Technetium-99m RP-30A disparity in the course of myocardial infarction after attempted reperfusion. *J Nucl Med* 29(7):1283-6, 1988.
33. Rehr RB, Tatum JL, Hirsch JI, Wetstein L, Clarke G. Effective separation of normal, acutely ischemic, and reperfused myocardium with P-31 MR spectroscopy. *Radiology* 168(1):81-9, 1988.
34. Burke TS, Tatum JL, Fratkin MJ, Baker K. Radionuclide bone imaging findings in recurrent calvarial infarction in sickle cell disease. *J Nucl Med*, 29(3):411-3, 1988.
35. Tatum JL, Sugerman H, Predikaris N, Rehr R, Burke T, Fratkin MJ. Determinants of diagnostic accuracy in pulmonary scintigraphy for pulmonary capillary protein leak associated with adult respiratory distress syndrome (ARDS): A technical note. *Eur J Nucl Med* 15:67-70, 1989.
36. Szucs RA, Rehr RB, Tatum JL. Pulmonary artery thrombus detection by magnetic resonance imaging. *Chest* 95(1):232-4, 1989.
37. Tatum JL, Thompson JA, Prasad U, Burke TS, Quint RI. Radionuclide detection of abnormal ventricular filling patterns in rejecting human allografts. *Clin Nucl Med* 14(3):175-8, 1989.
38. Tatum JL, Hirsch JI, Burke TS, Fratkin MJ. Significance of alteration in biodistribution of labeled lymphocytes exposed to stannous ion. *Eur J Nucl Med* 15(4):201-3, 1989.
39. Rehr RB, Tatum JL, Hirsch JI, Quint R, Clarke G. Reperfused-viable and reperfused-infarcted myocardium: differentiation with in vivo P-31 spectroscopy. *Radiology* 172(1):53-8, 1989.

40. Hirsch JI, Tatum JL, Fratkin MJ, Apostolides DL, Quint RI. Preparation and evaluation of a $^{99m}\text{Tc-SnF}_2$ colloid kit for leukocyte labeling. *J Nucl Med* 30(7):1257-63, 1989.
41. Byrne K, Sielaff TD, Carey PD, Tatum JL, Blocher CR, Vasquez A, Hirsch JI, Sugerman HJ. Ranitidine compared to cimetidine in multiagent pharmacological treatment of porcine Pseudomonas ARDS. *Circ Shock* 30(2):117-27, 1990.
42. Burke TS, Tatum JL, Fratkin MJ. Accumulation of Tc-99m MDP in amyloidosis involving the tongue. *Clin Nucl Med* 15(2):107-9, 1990.
43. Burke TS, Tatum JL. Hepatic infarction detected on Tc-99m sulfur colloid imaging. *Clin Nucl Med* 15(10):673-5, 1990.
44. Byrne K, Cooper KR, Carey PD, Berlin A, Sielaff TD, Blocher CR, Jenkins JK, Fisher BJ, Hirsch JI, Tatum JL, Fowler AA, Sugerman HJ. Pulmonary compliance: early assessment of evolving lung injury after onset of sepsis. *J Appl Physiol* 69(6):2290-5, 1990.
45. Byrne K, Sessler CN, Carey PD, Sielaff TD, Vasquez A, Tatum JL, Hirsch JI, Sugerman HJ. Platelet-activating factor in porcine Pseudomonas acute lung injury. *J Surg Res* 50(2):111-8, 1991.
46. Taylor DO, Rehr RB, Thompson JA, Vetrovec G, Tatum JL. Aortic pseudoaneurysm occurring after cardiac transplantation. *Am Heart J* 120(5):1222-5, 1990.
47. Szucs RA, Rehr RB, Yanovich S, Tatum JL. Magnetic resonance imaging of cardiac rhabdomyosarcoma: Quantifying the response to chemotherapy. *Cancer* 67:2066-70, 1991.
48. Quint RI, Rehr RB, Pippin JJ, Tatum JL. Effect of variation in heart size on quantitative thallium SPECT. *Angiology* 42(9):734-40, 1991.
49. Tatum JL, Hirsch JI, Burke TS, Prasad UR, Thompson JA. Assessment of the dynamics of allograft rejection utilizing Tc-99m labeled lymphocytes. *Am J Phys Imag* 5(3):112-5, 1990.
50. Rehr RB, Fuhs BE, Lee F, Tatum JL, Hirsch JI, Quint R. Differentiation of reperfused-viable (stunned) from reperfused-infarcted myocardium at 1 to 3 days post-reperfusion by in vivo phosphorus-31 nuclear magnetic resonance spectroscopy. *Am Heart J* 122(6):1571-82, 1991.
51. Hirsch JI, Fuhs BE, Tatum JL, Tatum TG. Refillable point source for motion correction during first-pass radionuclide angiography. *Nucl Med Commun* 13(1):53-4, 1992.
52. Byrne K, Tatum JL, Hirsch JI, Crossland M, Barnes T, Thompson JA, Henry DA, Young J, Sugerman HJ. Increased morbidity with abnormal pulmonary albumin flux in sepsis-related adult respiratory distress syndrome. *Crit Care Med* 20(1):28-34, 1992.
53. Warner MF, Pippin JJ, DiSciascio G, Paulsen WH, Arrowood JA, Tatum JL, Goudreau E, Vetrovec GW. Assessment of thallium scintigraphy and echocardiography during dobutamine infusion for the detection of coronary artery disease. *Cathet Cardiovasc Diagn* 29(2):122-7, 1993.
54. Lette J, Tatum JL, Fraser S, et al. Safety of dipyridamole testing in 73,806 patients: The Multicenter Dipyridamole Safety Study. *J Nucl Cardiol* 2(1):3-17, 1995.
55. Lette JL, Carini G, Tatum JL, et al. Safety of dipyridamole testing in patients with cerebrovascular disease. *Am J Cardiol* 75(7):535-7, 1995.
56. Jolles PR, Tatum JL. SLE myocarditis. Detection by Ga-67 citrate scintigraphy. *Clin Nucl Med* 21(4):284-6, 1996.
57. Tatum JL, Jesse RL, Kontos MC, Nicholson CS, Schmidt KL, Roberts CS, Ornato JP. Comprehensive strategy for the evaluation and triage of the chest pain patient. *Ann Emerg Med* 29(1):116-25, 1997.

58. Tatum JL. Cost effective nuclear scanning in a comprehensive and systematic approach to the evaluation of chest pain in the emergency department. *Md Med J* 46(10): Suppl 25-9,1997.
59. Tatum JL. Team-driven, process-oriented health care: A “fundamental rethinking” of chest pain evaluation. *Eur J Nucl Med* 24:1333, 1997.
60. Kontos MC, Jesse RL, Schmidt KL, Ornato JP, Tatum JL. Value of acute rest sestamibi perfusion imaging for evaluation of patients admitted to the emergency department with chest pain. *J Am Coll Cardiol* 30(4):976-82, 1997.
61. Kontos MC, Arrowood JA, Jesse RL, Ornato JP, Paulsen WHJ, Tatum JL, Nixon JV. Comparison between 2-dimensional echocardiography and myocardial perfusion imaging in the emergency department in patients with possible myocardial ischemia. *Am Heart J* 136(4):724-33, 1998.
62. Kontos MC, Jesse RL, Anderson FP, Schmidt KL, Ornato JP, Tatum JL. Comparison of myocardial perfusion imaging and cardiac troponin I in patients admitted to the emergency department with chest pain. *Circulation* 99(16):2073-8, 1999.
63. Kontos MC, Anderson FP, Tatum JL, Ornato JP, Jesse RL. Early diagnosis of acute myocardial infarction in patients without ST-segment elevation. *Am J Cardiol* 83(2):155-8, 1999.
64. Kontos MC, Schmidt KL, Nicholson CS, Ornato JP, Jesse RL, Tatum JL. Myocardial perfusion imaging with technetium-99m sestamibi in patients with cocaine-associated chest pain. *Ann Emerg Med* 33(6):639-45, 1999.
65. Kontos MC, Anderson FP, Alimard R, Ornato JP, Tatum JL, Jesse RL. Ability of troponin I to predict cardiac events in patients admitted from the emergency department. *J Am Coll Cardiol* 36(6):1818-23, 2000.
66. Eckelman WC, Tatum JL, Kurdziel KA, Croft BY. Quantitative analysis of tumor biochemistry using PET and SPECT. *Nucl Med Biol* 27(7):633-5, 2000.
67. Tatum JL, Hoffman JM. Role of imaging in clinical trials of antiangiogenesis therapy in oncology. *Acad Radiol* 7(10):798-9, 2000.
68. Tatum JL, Hoffman JM. Congressional update: report from the Biomedical Imaging Program of the National Cancer Institute. Imaging drug development. *Acad Radiol* 7(11):1007-8, 2000.
69. Kontos MC, Kurdziel KA, Ornato JP, Schmidt KL, Jesse RL, Tatum JL. A nonischemic electrocardiogram does not always predict a small myocardial infarction: Results with acute myocardial perfusion imaging. *Am Heart J* 141(3):360-6, 2001.
70. Kontos MC, McQueen RA, Jesse RL, Tatum JL, Ornato JP. Can myocardial infarction be rapidly identified in emergency department patients who have left bundle-branch block? *Ann Emerg Med* 37(5):431-8, 2001.
71. Tatum J, Sullivan DC, Kelloff G. Congressional update: report from the Biomedical Imaging Program of the National Cancer Institute. Molecular imaging and the microenvironment. *Acad Radiol* 8(11):1192-3, 2001.
72. Kontos MC, Ornato JP, Schmidt KL, Tatum JL, Jesse RL. Incidence of high-risk acute coronary syndromes and eligibility for glycoprotein IIb/IIIa inhibitors among patients admitted for possible myocardial ischemia. *Am Heart J* 143(1):70-5, 2002.
73. Kontos MC, Kurdziel K, McQueen R, Arrowood JA, Jesse RL, Ornato JP, Paulsen WH, Tatum JL, Nixon JV. Comparison of 2-dimensional echocardiography and myocardial perfusion imaging for diagnosing myocardial infarction in emergency department patients. *Am Heart J* 143(4):659-67, 2002.
74. Wackers FJ, Brown KA, Heller GV, Kontos MC, Tatum JL, Udelson JE, Ziffer JA. American Society of Nuclear Cardiology position statement on radionuclide imaging in patients with suspected acute

- ischemic syndromes in the emergency department or chest pain center. *J Nucl Cardiol* 9(2):246-50, 2002.
75. Kontos MC, Anderson FP, Ornato JP, Tatum JL, Jesse RL. Utility of troponin I in patients with cocaine-associated chest pain. *Acad Emerg Med* 9(10):1007-13, 2002.
 76. Kontos MC, Jesse RL, Tatum JL, Ornato JP. Coronary angiographic findings in patients with cocaine-associated chest pain. *J Emerg Med* 24(1):9-13, 2003.
 77. Kontos MC, Schmidt KL, McCue M, Rossiter LF, Jurgensen M, Nicholson CS, Jesse RL, Ornato JP, Tatum JL. A comprehensive strategy for the evaluation and triage of the chest pain patient: A cost comparison study. *Am J Nucl Cardiol* 10(3):284-90, 2003.
 78. Kontos MC, Fritz LM, Anderson FP, Tatum JL, Ornato JP, Jesse RL. Impact of the troponin standard on the prevalence of acute myocardial infarction. *Am Heart J* 146(3):446-52, 2003.
 79. Kontos MC and Tatum JL. Imaging in the evaluation of the patient with suspected acute coronary syndrome. *Sem Nucl Med* 33(4):246-58, 2003.
 80. Kontos MC, Fratkin MJ, Jesse RL, Anderson FP, Ornato JP, Tatum JL. Sensitivity of acute rest myocardial perfusion imaging for identifying patients with myocardial infarction based on a troponin definition. *J Nucl Cardiol* 11(1):12-9, 2004.
 81. Kontos MC, Shah R, Fritz LM, Anderson FP, Tatum JL, Ornato JP, Jesse RL. Implication of different cardiac troponin I levels for clinical outcomes and prognosis of acute chest pain patients. *J Am Coll Cardiol* 43(6):958-65, 2004.
 82. Kontos MC, Kurdziel KA, Ornato JP, Jesse RL, Tatum JL. Myocardial salvage in patients with non-ST-elevation myocardial infarction determined by myocardial perfusion imaging. *Am J Cardiol*, 95(3):398-401, 2005.
 83. Kontos MC, Garg R, Anderson FP, Tatum JL, Ornato JP, Jesse RL. Outcomes in patients admitted for chest pain with renal failure and Troponin I elevations. *Am Heart J*, 150(4):674-80, 2005.
 84. Kontos MC, Garg, R, Anderson, FP, Tatum, JL, Ornato, JP, Jesse, RL. Predictive power of ejection fraction and renal failure in patients admitted for chest pain without ST elevation in the Troponin era. *Am Heart J*, 150(4):666-73, 2005.
 85. Kontos MC, Tatum JL. Imaging in the evaluation of the patient with suspected acute coronary syndrome. *Cardiol Clin*, 23(4):517-530, 2005.
 86. Kelloff GJ, Krohn KA, Larson SM, Weissleder R, Mankoff DA, Hoffman JM, Link JM, Guyton KZ, Eckelman WC, Scher HI, O'Shaughnessy J, Cheson BD, Sigman CC, Tatum JL, Mills GQ, Sullivan DC, Woodcock J. The progress and promise of molecular imaging probes in oncologic drug development. *Clin Cancer Res*, 11(22):7967-85, 2005.
 86. Fatouros PP, Corwin FD, Chen ZJ, Broaddus WC, Tatum JL, Kettenmann B, Zhongxin G, Gibson HW, Kile JL, Leonard AP, Duchamp JC, Dorn HC. *In vitro* and *in vivo* imaging studies of a new Gadolinium endohedral metallofullerene MRI contrast agent. *Radiology*, 240(3): 756-764.
 87. Tatum JL, Kelloff GJ, Gillies R (editors). Hypoxia: Importance in tumor biology, non-invasive measurement by imaging, and value of its measurement in the management of cancer therapy. *Int J Radiat Biol*, 82(10):699-757, 2006.
 88. Kontos MC, Joyner SE, Roberts CS, Anderson FP, Ornato JP, Tatum JL, Jesse RL. Implication of the new low-density lipoprotein goals in dyslipidemia management of patients with acute coronary syndrome. *Mayo Clin Proc* 82(5):551-5, 2007.

89. Kelloff GJ, Sullivan DC, Baker H, Clarke LP, Nordstrom R, Tatum JL, Dorfman GS, et al (Workshop Program Committee). Workshop on imaging science development for cancer prevention and preemption. *Cancer Biomark* 3(1):1-33, 2007.
90. Kontos MC, Jamal S, Tatum JL, Ornato JP, Jesse RL. Predictive power of systolic function and congestive heart failure in patients admitted with chest pain without ST elevation in the troponin era. *Am Heart J* 156(2): 329-35, 2008.
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54. Tatum JL. Dipyridamole: Detour to thallium stress imaging. Virginia Society for the Advancement of Nuclear Medicine, Richmond VA, October 1988.
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56. Tatum JL. IV Persantine use in thallium imaging (Workshop). Richmond VA, July 1989.
57. Tatum JL. Myocardial perfusion imaging with tomography. Washington Medical Center, Washington DC, August 1989.
58. Tatum JL. Clinical myocardial perfusion imaging. Cardiology Grand Rounds, Medical College of Virginia, Richmond VA, December 1989.
59. Tatum JL. Pharmacologic cardiac imaging. Pitt Memorial Hospital, East Carolina Medical School, Greenville NC, January 1990.
60. Tatum JL. Visiting Professor. Aultman Hospital, Canton OH, January 1990.

61. Tatum JL. Preceptor: Persantine Workshops. Medical College of Virginia, Richmond VA, January & February 1991.
62. Tatum JL. Persantine Mediated Myocardial Perfusion Imaging. Miami FL, March 1991.
63. Tatum JL. Persantine Mediated Myocardial Perfusion Imaging. Knoxville TN, March 1991.
64. Tatum JL. Role of DTS in Cardiac Risk Stratification in the Vascular Patient. Annapolis MD, March 1991.
65. Tatum JL. I.V. Persantine - Technical and Clinical Applications. Greensville Memorial Hospital, Emporia VA, March 1991.
66. Tatum JL. Cardiolite Workshop: Technical and clinical aspects of utilization of a new Tc-99m myocardial perfusion imaging agent. Baltimore MD, March 1991.
67. Tatum JL. Cardiolite Workshop: Technical and clinical aspects of utilization of a new Tc-99m myocardial perfusion imaging agent. Knoxville TN, April 1991.
68. Tatum JL. Cardiolite Workshop: Technical and clinical aspects of utilization of a new Tc-99m myocardial perfusion imaging agent. Raleigh NC, April 1991.
69. Tatum JL. Update in Nuclear Cardiology. Chattanooga TN, May 1991.
70. Tatum JL. Grand Rounds - Cardiac Imaging. Williamsburg VA, May 1991.
71. Tatum JL. SPECT Cardiac Imaging with New Agents. Staunton VA, July 1991.
72. Tatum JL. Nuclear Cardiology - Regional Nuclear Medicine Conference, Charleston WV, August 1991.
73. Tatum JL. The role of dipyridamole-thallium in pre-surgery risk assessment. Department of Surgery Grand Rounds, Medical College of Virginia, Richmond VA, September 1991.
74. Tatum JL. New Advances in the use of IV Persantine. Southside Regional Medical Center, Petersburg VA, September 1991.
75. Tatum JL. A Trilogy in Nuclear Cardiology: Viability, Ischemia, and Prognosis. Cardiology Grand Rounds, Medical College of Virginia, Richmond VA, October 1991.
76. Tatum JL. Pharmacologic perfusion imaging in pre-surgical and post MI risk stratification. Emory University, Atlanta GA, November 1991.
77. Bajaj S, Luketic VA, Shiffman ML, Sanyal AJ, Perdum PP, Fisher RA, Brown KB, Posner MP, Kohli R, Vetrovec GW, Reddy R, Ellahham S, Tatum JL. Efficacy and safety of persantine thallium scanning (P-THAL) in the evaluation of patients undergoing orthotopic liver transplantation (OLT). American College of Chest Physicians, August 1992.
78. Porter TR, Hackett MT, Balseiro J, Akosah K, Funai JT, Tatum JL. Dobutamine gated sestamibi imaging detects early wall motion abnormalities in significant coronary artery disease. 65th Annual Meeting of the American Heart Association, New Orleans LA, November 1992.
79. Om A, Ellahham SH, Romhilt DW, Quint RI, Tatum JL. Underestimation of extent of coronary artery disease on dipyridamole thallium tomographic scintigraphy in the presence of ST segment depression. First Annual International Congress of Nuclear Cardiology, Cannes, France, April 1993.
80. Fuhs B, Tatum JL, Pippin JJ, Romhilt D, Quint R. Efficacy of intravenous aminophylline in the reversal of IV dipyridamole induced ischemia. 23rd Meeting of the Mid-Eastern Chapter of the Society of Nuclear Medicine, April 1993.

81. Reddy R, Tatum JL, Pippin JJ, Romhilt D, Quint R. Specificity of dipyridamole thallium single photon tomography (SPECT) in patients with left bundle branch block due to permanent pacing. 23rd Meeting of the Mid-Eastern Chapter of the Society of Nuclear Medicine, April 1993.
82. Gbur CS, Tatum JL, Quint R, Luketic V. High Incidence of non-responders to dipyridamole in pre-liver transplant patients. 23rd Meeting of the Mid-Eastern Chapter of the Society of Nuclear Medicine, April 1993.
83. Tatum JL. Dipyridamole/Aminophylline efficacy and interaction. Philadelphia PA, April 1993.
84. Lette J, Fraser S, Tatum J. How safe is dipyridamole testing? Preliminary results in 64,000 patients. European Congress of Nuclear Medicine, Lusanne, France, May 1993.
85. Gbur CS, Tatum JL, Quint R, Luketic V. High incidence of non-responders to dipyridamole in pre-liver transplant patients. 40th Annual Meeting of the Society of Nuclear Medicine, June 1993.
86. Tatum JL. Update in Nuclear Cardiology. Toronto, Canada, June 1993.
87. Tatum JL. Pharmacologic stress in association with myocardial perfusion imaging. Visiting Professor, Baptist Hospital, Oklahoma City OK, June 1993.
88. Tatum JL. Myocardial Viability. Visiting Professor, Baptist Hospital, Oklahoma City OK, June 1993.
89. Tatum JL. Simultaneous function and perfusion. Visiting Professor, Baptist Hospital, Oklahoma City OK, June 1993.
90. Tatum JL. Update in Nuclear Cardiology. MCV Cardiology Conference, Virginia Beach VA, July 1993.
91. Tatum JL. Pharmacologic stress in association with myocardial perfusion imaging. Bristol TN, July 1993.
92. Tatum JL. Pharmacologic stress in association with myocardial perfusion imaging. Chattanooga TN, July 1993.
93. Lette J, Fraser S, Tatum J, et al. Risk profile of dipyridamole testing in 64,000 patients. XVth Congress of the European Society of Cardiology, Nice, France, August 1993.
94. Kalen JD, Jolles PR, Tatum JL. Simultaneous technetium-99m/thallium-201 dual-isotope brain SPECT imaging using the "three energy window technique". 24th Meeting of the Mid-Eastern Chapter of the Society of Nuclear Medicine, Washington DC, April 1994.
95. Tatum JL, Ibrahim H, Goudreau E, Ponder D, Mohanty PK. Stress perfusion/function imaging with Tc-99m sestamibi (MIBI) for the detection of coronary vasculopathy following cardiac transplantation. 24th Meeting of the Mid-Eastern Chapter of the Society of Nuclear Medicine, Washington DC, April 1994.
96. Tatum JL. Comprehensive strategy for the evaluation of the chest pain patient. Boston MA, May 1994.
97. Tatum JL. Comprehensive strategy for the evaluation of the chest pain patient. Nuclear Cardiology Workshop, Lake Tahoe NV, August 1994.
98. Tatum JL. Comprehensive strategy for the evaluation of the chest pain patient. UCSF, San Francisco CA, October 1994.
99. Tatum JL. Comprehensive strategy for the evaluation of the chest pain patient. Western Regional Society of Nuclear Medicine, San Francisco CA, October 1994.
100. Tatum JL. Comprehensive strategy for the evaluation of the chest pain patient. San Francisco General Hospital, San Francisco CA, October 1994.

101. Tatum JL. Comprehensive strategy for the evaluation of the patient with chest pain. Mennepin County Medical Center, Minneapolis MN, November 1994.
102. Tatum JL, Ornato JP, Jesse RL, Peberdy MA, Katta SR. A diagnostic strategy using Tc-99m sestamibi for evaluation of patients with chest pain in the emergency department. 67th Scientific Sessions of the American Heart Association, Dallas TX, November 1994.
103. Lette J, Tatum JL, Fraser S. Safety of dipyridamole testing in 74,000 patients. The multicenter dipyridamole safety study. Proceedings of the 33rd Annual Meeting of the Korean Society of Nuclear Medicine, 1994.
104. Tatum JL. Comprehensive strategy for the evaluation of the patient with chest pain. Forsyth Memorial Hospital, Greensboro NC, February 1995.
105. Tatum JL. Comprehensive strategy for the evaluation of the patient with chest pain. Grand Rounds, University of North Carolina Hospitals, February 1995.
106. Tulip R, Tatum J, Devous H. Practice guidelines & outcome assessment. High Country Nuclear Medicine Conference, Vail CO, March 1995.
107. Nicholson CS, Roberts CS, Tatum JL, Ornato JP, Jesse RL. A systematic approach to the evaluation of chest pain in the emergency department: A prospective risk assessment and treatment protocol based on patient presentation, ECG, and rest technetium 99m-sestamibi. 44th Annual Scientific Sessions of the American College of Cardiology, New Orleans LA, March 1995.
108. Ornato JP, Jesse RL, Tatum JL, Nicholson CS, Peberdy MA. Lack of correlation between relief of chest pain after sublingual nitroglycerin and reversible radionuclide perfusion defects or presence of significant coronary atherosclerosis on coronary angiography. 44th Annual Scientific Sessions of the American College of Cardiology. New Orleans LA, March 1995.
109. Kontos MC, Nicholson CS, Roberts CS, Tatum JL, Ornato JP, Jesse RL. A risk-based strategy for the diagnosis of acute coronary syndrome: Rapid and safe identification of lower-risked patients. Virginia Chapter of the American College of Physicians, Wintergreen VA, April 1995.
110. Tatum JL. Comprehensive strategy for the evaluation of the patient with chest pain. Abbott Northwestern Hospital Rounds, Minneapolis MN, April 1995.
111. Tatum JL. Comprehensive strategy for the evaluation of the patient with chest pain. Hutchinson Medical Center Rounds, Fort Oglethorpe GA, April 1995.
112. Nicholson CS, Kontos MC, Roberts CS, Tatum JL, Ornato JP, Jesse RL. Systematic approach to the evaluation of chest pain in the emergency department: a prospective risk assessment and treatment protocol based on patient presentation, ECG, and rest technetium 99m-sestamibi. Virginia Chapter of the American College of Cardiology, Williamsburg VA, April 1995.
113. Tatum JL. Perfusion imaging in the emergency room setting. 2nd International Conference of Nuclear Cardiology, Cannes, France, April 1995.
114. Tatum JL, Quint RI, Graham A, Schmidt K. Diagnostic and prognostic significance of blunted peripheral hemodynamic response to intravenous dipyridamole. 2nd International Conference of Nuclear Cardiology, Cannes, France, April 1995.
115. Tatum JL, Jesse RL. The systematic evaluation of the patient presenting with chest pain. Cardiology Grand Rounds, Cedars-Sinai Medical Center, Los Angeles CA, September 1995.
116. Tatum JL, Jesse RL. The systematic evaluation of the patient presenting with chest pain. Medical Grand Rounds, Tarzana Medical Center, Tarzana CA, September 1995.
117. Tatum JL, Jesse RL. The systematic evaluation of the patient presenting with chest pain. Western Regional Society of Nuclear Medicine, Phoenix AZ, September 1995.

118. Tatum JL. Comprehensive strategy for the evaluation and management of the chest pain patient. West Jefferson Hospital Rounds, New Orleans LA, October 1995.
119. Tatum JL. A strategy for the evaluation and triage of the chest pain patient. CME Program, Rockingham Memorial Hospital, Harrisonburg VA, October 1995.
120. Tatum JL. Acute use of SPECT perfusion imaging. Fourth Annual Cardiac SPECT Symposium & Workshop. Newport RI, October 1995.
121. Tatum JL. Comprehensive strategies for the evaluation and management of the chest pain patient. Annual Fall Meeting of the Mid-Eastern Chapter of the Society of Nuclear Medicine, Richmond VA, November 1995.
122. Tatum JL, Jesse RL. Comprehensive strategy for the evaluation of chest pain. Noon Conference, Good Samaritan Hospital, Baltimore MD, November 1995.
123. Tatum JL. Clinical protocol for chest pain. Economic Grand Rounds, Medical College of Virginia, Richmond VA, January 1996.
124. Tatum JL, Jesse RL. A strategy for the evaluation and triage of the chest pain patient. 11th Annual Winter Conference, American Society of Emergency Physicians. Davis WV, January 1996.
125. Tatum JL. A strategy for the evaluation and triage of the chest pain patient. Nation's Capital Nuclear Cardiology Working Group, American Society of Nuclear Cardiology, Alexandria VA, February 1996.
126. Nicholson CS, Kontos MC, Tatum JL, Ornato JP, Jesse RL. Technetium-99m sestamibi imaging in the patient with cocaine associated chest pain: Alternative to routine CCU admissions. 45th Scientific Session of the American College of Cardiology. Orlando FL, March 1996.
127. Tatum JL. Changing health care management. A Systematic Approach to the Management of Chest Pain: A Paradigm for Re-Engineering in Medicine, Williamsburg VA, May 1996.
128. Tatum JL. Radionuclide imaging: Perfusion and performance. A Systematic Approach to the Management of Chest Pain: A Paradigm for Re-Engineering in Medicine, Williamsburg VA, May 1996.
129. Tatum JL. Strategies and consensus building: Using the tools. A Systematic Approach to the Management of Chest Pain: A Paradigm for Re-Engineering in Medicine, Williamsburg VA, May 1996.
130. Tatum JL. Establishing the paradigm and then building upon it. A Systematic Approach to the Management of Chest Pain: A Paradigm for Re-Engineering in Medicine, Williamsburg VA, May 1996.
131. Tatum JL. New Indications: Acute ischemic syndromes. Imaging emergency department chest pain patients: Getting started - practical considerations. 43rd Annual Meeting of the Society of Nuclear Medicine, Denver CO, June 1996.
132. Tatum JL. Cost effective triage of acute chest pain. Matters of the Heart: Symposium on Nuclear Cardiology, American Society of Nuclear Cardiology, Denver CO, June 1996.
133. Tatum JL. First pass radionuclide angiography. Fifth Annual Cardiac SPECT Symposium & Workshop, Newport RI, October 1996.
134. Tatum JL. Acute use of SPECT perfusion imaging. Fifth Annual Cardiac SPECT Symposium & Workshop, Newport RI, October 1996.
135. Kontos MC, Jesse RL, Schmidt KL, Ornato JP, and Tatum JL. Value of acute rest sestamibi perfusion imaging in the emergency department evaluation of patients with chest pain. 69th Session of the American Heart Association, New Orleans LA, November 1996.

136. Tatum JL. A comprehensive strategy for the evaluation and triage of the chest pain patient. New York Academy of Medicine, New York NY, November 1996.
137. Tatum JL, Ziffer J. The role of diagnostic imaging in process-oriented health care delivery: the patient with chest pain. Refresher Course, Radiologic Society of North America, Chicago IL, December 1996.
138. Tatum JL. Advanced applications of radionuclide angiography. Cardiology Basic Science Conference, St. Luke's Episcopal Hospital/The Texas Heart Institute, Houston TX, January 1997.
139. Tatum JL. A comprehensive strategy for the evaluation and triage of the acute chest pain patient. Cardiology Grand Rounds, St. Luke's Episcopal Hospital/The Texas Heart Institute, Houston TX, January 1997.
140. Tatum JL. Myocardial perfusion study in acute chest pain syndrome. 23rd Annual Meeting & Scientific Sessions, American College of Nuclear Physicians, Palm Springs CA, February 1997.
141. Tatum JL. The systematic evaluation of the patient presenting with chest pain. Northside Community Hospital, Atlanta GA, February 1997.
142. Tatum JL. Acute Protocol. Grand Rounds, Emory University Hospital, Atlanta GA, February 1997.
143. Tatum JL. Chest pain, the acute coronary syndrome, and myocardial infarction: risky business. 27th Annual Meeting of the Mid-Eastern Chapter Society of Nuclear Medicine, Bethesda MD, April 1997.
144. Tatum JL. Efficacy of myocardial perfusion imaging as a risk assessment tool in a systematic triage strategy for evaluation of chest pain. 1st Maryland Chest Pain Center (E.D.) Research Conference. Baltimore MD, April 1997.
145. Tatum JL. A comprehensive strategy for the evaluation and triage of the patient with chest pain. Cardiology Grand Rounds Dinner/Lecture, Winthrop-University Hospital, Westbury NY, May 1997.
146. Tatum JL. Nuclear cardiology in risk stratification. 22nd ACLI Medical Section Annual Meeting, White Sulphur Springs WV, June 1997.
147. Tatum JL. Define issues driving change. Systematic Approach to the Management of Chest Pain: A Paradigm for Re-engineering in Medicine, Squaw Creek CA, September 1997.
148. Tatum JL, Jesse R. Interactive Audience Survey: Case studies of risk stratification. Systematic Approach to the Management of Chest Pain: A Paradigm for Re-engineering in Medicine, Squaw Creek CA, September 1997.
149. Tatum JL. Radionuclide imaging: Perfusion and performance. Systematic Approach to the Management of Chest Pain: A Paradigm for Re-engineering in Medicine, Squaw Creek CA, September 1997.
150. Tatum JL. Panelist: Assays and tests. Systematic Approach to the Management of Chest Pain: A Paradigm for Re-engineering in Medicine, Squaw Creek CA, September 1997.
151. Tatum JL. Specific applications of systematic care. Systematic Approach to the Management of Chest Pain: A Paradigm for Re-engineering in Medicine, Squaw Creek CA, September 1997.
152. Tatum JL, Ziffer J. Diagnostic evaluation of patients with acute chest pain syndromes: A process-oriented approach. Refresher Course, Radiologic Society of North America, Chicago IL, December 1997.
153. Tatum JL. Case Reviews: acute applications. Cardiac Diagnosis in the New Millennium: Expert Approaches to Nuclear Cardiology, Fort Lauderdale FL, February 1998.
154. Tatum JL, Jesse RL. Dedicated Chest Pain Center: the Medical College of Virginia Model. Cardiac Diagnosis in the New Millennium: Solving the Dilemma of Acute Chest Pain, Fort Lauderdale FL, February 1998.

155. Tatum JL, Jesse RL, Janowitz W. Imaging approaches to acute chest pain (workshop). Cardiac Diagnosis in the New Millennium: Solving the Dilemma of Acute Chest Pain, Fort Lauderdale FL, February 1998.
156. Tatum JL. The ACT strategy for chest pain evaluation. Cardiology Grand Rounds, Columbia Presbyterian Medical Center, New York NY, March 1998.
157. Tatum JL. Updates in Nuclear Cardiology. 28th Meeting of the Mid-Eastern Chapter of the Society of Nuclear Medicine, Ocean City MD, April 1998.
158. Tatum JL. Use of Acute Cardiac Nuclear Imaging in the Emergency Department. NRMI 3 Investigator/Coordinator Meeting, Boston MA, September 1998.
159. Tatum JL. Risk Assessment of the Patient Presenting with Acute Chest Pain: A Diagnostic Dilemma. Department of Medicine Grand Rounds, Medical College of Georgia, Augusta GA, September 1998.
160. Tatum JL. Economic Forces and Delivery of Care. NRMI 3 Investigator/Coordinator Meeting, Boston MA, September 1998.
161. Tatum JL. Moderator, Evaluating Chest Pain: Use of Perfusion and Functional Imaging in the Acute Setting to Define Risk. Astra Pharmaceuticals Cardiovascular Consultants Conference, Hot Springs VA, October 1998.
162. Tatum JL. Diagnostics in Acute Chest Pain. Emergency Medicine Grand Rounds, University of Maryland Medical Center, Baltimore MD, October 1998.
163. Tatum JL. Moderator, Early Diagnosis of Acute MI in the ER. 71st Scientific Sessions of the American Heart Association, Dallas TX, November 1998.
164. Tatum JL, Ziffer J. Diagnostic evaluation of patients with acute chest pain syndromes: A process-oriented approach. Refresher Course, Radiologic Society of North America, Chicago IL, December 1998.
165. Tatum JL. Risk Stratification in Heart Disease. American College of Nuclear Medicine Scientific Program, Fort Lauderdale FL, February 1999.
166. Tatum JL. Risk assessment of the patient with acute chest pain: a diagnostic dilemma. CME Program, St. James Hospital and Health Centers, Chicago Heights IL, July 1999.
167. Ziffer JA, Alazraki NP, Tatum JL. Practical cardiovascular nuclear medicine. Refresher Course, Radiologic Society of North America, Chicago IL, November 1999.
168. Tatum JL. Biomedical Imaging: The NCI and VCU. Massey Cancer Center Spring Lecture Series, Richmond VA, April 2000.
169. Tatum JL. Challenges in the Next Millenium. 5th ASNC Invitational Nuclear Cardiology Workshop, Bar Harbor ME, July 2000.
170. Tatum JL. Risk stratification and cost-effective clinical decision making with nuclear cardiology for the primary care physician. Good Samaritan Hospital CME Alaska Cruise Symposium, July 2000.
171. Tatum JL. The ASP Solution to PACS. Annual Fall Meeting of the Society for Chairmen and Administrators of Academic Radiology Departments, New York NY, September 2000.
172. Tatum JL. Role of Nuclear Cardiology in the Diagnosis of MI. 50th Annual Scientific Sessions of the American College of Cardiology, Orlando FL, March 2001.
173. Tatum JL. Development of Clinical Imaging Drugs and Enhancers Program. Cambridge Healthtech Institute's Fifth Annual Advances in Assays, Molecular Labels, Signaling & Detection, Washington DC, May 2001.

174. Tatum JL. Vascular Imaging Panel. American Society of Nuclear Cardiology, Squaw Creek CA, July 2002.
175. Tatum JL. Why Hunterize? Annual Fall Meeting of the Society for Chairmen and Administrators of Academic Radiology Departments, Miami FL, September 2002.
176. Tatum JL. The latest in the world of imaging. Medical School Advisory Council's Alumni Update Course, Virginia Commonwealth University, Richmond VA, November 2002.
177. Tatum JL. If stress testing without imaging is inaccurate, why do many believe that it is the best tool to triage ED chest pain patients? CE Course: Important but Unanswered Questions in Cardiovascular Nuclear Medicine. Society of Nuclear Medicine Annual Meeting, Philadelphia PA, June 2004.
178. Tatum JL. Moderator, CE Course: Important but Unanswered Questions in Cardiovascular Nuclear Medicine. Society of Nuclear Medicine Annual Meeting, Philadelphia PA, June 2004.
179. Dorn HC, Fatouros PP, Corwin F, Tatum JL, Chen ZJ, Broaddus WC, Gibson H, Leonard AP, Duchamp JC, Ge X. In vitro and in vivo studies of trimetallic nitride endohedral metallofullerene MRI contrast agents. 207th Meeting of the Electrochemical Society, Quebec City, Canada, May 2005.
180. Tatum JL. Enabling achievement of the goal: Cancer Nanotechnology. Virginia Nanotechnology Initiative Workshop, Charlottesville VA, October 2005.
181. Tatum JL. Big promise from small things: Cancer and Nanotechnology. Highlands Chemistry Seminar, Blacksburg VA, November 2005.
182. Tatum JL. Visualizing the problem and directing the solution: Molecular imaging in oncology. Radiation Oncology Research Retreat, Richmond VA, February 2006.
183. Tatum JL. The potential role of nanotechnology in oncologic image-guided interventions: Therapy and imaging, Radiologic Society of North America, Chicago IL, November 2006.
184. Tatum JL. Subcellular and Molecular Processes of Diseases: New Understandings made by Molecular Imaging. IGLD und INSTAND Gottingen, 30-31 March 2006.
185. Tatum JL. Developing Novel Imaging Agents. NCAB, Bethesda MD, September 18, 2007.
186. Tatum JL. Developing Novel Imaging Agents. NCI Board of Scientific Advisors, Bethesda MD, November 16, 2007.
187. Tatum JL. Imaging Biologic Systems - Advancing Blood-Brain Barrier Translational Research – Stevenson, Washington. March 13-15, 2008.
188. Tatum JL. Imaging in Oncology Drug Development. SNM Mid-Winter Meeting, Tampa FL. December 2008.
189. Tatum JL. New Challenges in Heart Failure. SNM MEC Ocean City, Maryland, April 2009.
190. Tatum JL. Evolving Role of Imaging in Oncology Drug Development. SNM MEC Ocean City, Maryland, April 2009
191. Tatum JL. Role of Imaging in Nanomedicine. Nanostar Meeting, Charlottesville, Virginia. June, 2009.
192. Tatum JL. Nanomedicine in Oncology. American Society of Nanomedicine. Potomac, Maryland, October 23, 2009
193. Tatum JL. NCI Perspective on the Development of Radiopharmaceuticals and Imaging Biomarkers FDA/RSNA/SNM Meeting, Bethesda, Maryland, April 2010.

194. Bhattacharyya S, Wei L, Riffle L, Hill C, Tatum JL, Doroshow J, Kalen J. Development of ⁸⁹Zr-Labeled Panitumumab as a Potential EGFR-Targeted PET Imaging Agent. World Molecular Imaging Conference, San Diego CA, September, 2011.

OTHER ACTIVITIES

NIH Study Section: *Novel Technologies for In Vivo Imaging*
 NIH Study Section: *Academic-Industry Partnerships*
 NIH Study Section: *Development of Methods for In Vivo Imaging & Bioengineering Research*
 Nanotechnology Characterization Lab: Standing Member, Review Panel.
 Reviewer, *Journal of Nuclear Medicine*
 Reviewer, *American Heart Journal*
 Reviewer, *Radiology*
 Reviewer, *Journal of Nuclear Cardiology*
 Reviewer, *Stroke*
 Preceptor, Nuclear Cardiology Fellowship Program
 ABR – Board Examiner in Nuclear Radiology
 CBNC Board Question Reviewer
 Medical Advisor, Nuclear Medicine Technology Program, VCU
 Consultant, Virginia Power Radiation Emergency Plan
 Software development site, Picker International
 Beta software test site, Picker International
 Visiting Faculty Program, E.I. DuPont
 Medical Consultant, Nuclear Imaging Systems Inc.

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Cardiotech Investigator, Squibb Diagnostics
 P I Cardiolite tomographic quantitation protocol (multicenter)
 Persantine Training Center
 CDER/FDA Cardiovascular and Renal Drugs Advisory Committee June 24, 2008
 CDER/FDA Cardiovascular and Renal Drugs Advisory Committee December 10, 2008
 CDER/FDA Cardiovascular and Renal Drugs Advisory Committee July 28, 2009
 CDER/FDA Peripheral and Central Nervous System Drugs Advisory Committee August 11, 2009
 American College of Radiology Imaging Network (ACRIN)–Special Recognition Award October, 2010
 National Institutes of Health Award of Merit – November, 2010.
 CDER/FDA Cardiovascular and Renal Drugs Advisory Committee January 20-21, 2011
 CDER/FDA Cardiovascular and Renal Drugs Advisory Committee May 2, 2011

CURRENT ACTIVE RESEARCH

Imaging Characteristics of Hepatocellular Carcinoma by FDG PET CT: relationship to Tumor Biology and role in predicting response to Locoregional and Targeted Systemic Therapy. Role: Co-Investigator. PI – Dr. Douglas Heuman.



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