

CURRICULUM VITAE

Frederick G. Kushner, M.D.
F.A.C.P., F.A.C.C., F.S.C.A.I., C.B.N.C., F.A.H.A.

Office Address

Heart Clinic of Louisiana, APMC
1111 Medical Center Boulevard
Suite N613
Marrero, LA 70072

Work Telephone No.

504-349-6800

Citizenship

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Education

- (b)(6)-- Harvard University, School of Medicine
Massachusetts General Hospital
Boston, MA
Fellow, Cardiac Catheterization/Nuclear Cardiology
- (b)(6)-- Hospital of University of Pennsylvania
Philadelphia, PA
Fellow, Cardiology
- (b)(6)-- Harvard University School of Medicine
The Beth Israel Hospital
Boston, MA
Resident, Internal Medicine
- (b)(6)-- Harvard University, School of Medicine
The Beth Israel Hospital
Boston, MA
Intern, Internal Medicine

Education (continued)

- (b)(6)-- Columbia University, College of Physicians &
Surgeons
New York, NY
Doctor of Medicine
- (b)(6)-- Columbia University, Columbia College

New York, NY
Bachelor of Arts

Private Cardiology Practice

1994-Present Heart Clinic of Louisiana, APMC, Medical Director
Heart Clinic of Louisiana Diagnostic Services
Marrero, LA

1985-1994 Kushner Heart Clinic/Kushner Diagnostic Clinic
Marrero, LA

1979-1985 Cardiology Center
Marrero, LA

Staff Appointments

West Jefferson Medical Center, Marrero, LA
Ochsner Medical Center, West Bank, Gretna, LA

Academic Appointments

2006-Present Clinical Professor of Medicine,
Tulane University

1993-2006 Associate Clinical Professor of Medicine,
Tulane University

1993-Present Associate Clinical Professor of Community Medicine,
Tulane University

1987 Clinical Assistant Professor of Medicine,
Louisiana State University School of Medicine

1978 - 1979 Research and Clinical Fellow in Medicine,
Harvard University, School of Medicine
Cambridge, MA

1976 Assistant Instructor of Medicine,
Harvard Medical School
Cambridge, MA

Professional Appointments

2010 American Heart Journal, Editorial Reviewer

2009-Present Science Board to the Food and Drug
Administration

2010 – 2013 Member of ACC/AHA Task Force on Practice
Guidelines

2011-Present	Vice-Chairman of the ACCF/AHA Guidelines for the Management of ST-Elevation Myocardial Infarction
2010	Columbia Presbyterian Health Sciences Advisory Council
2009	Appropriateness Criteria for Cardiac Radionuclide Imaging, Technical Panel Member
2009	Co-Chairman, ACCF/AHA Focused Update of the ACCF/AHA 2004 Guidelines for The Management of Patients with ST-Elevation Myocardial Infarction.
2010	ACCF/AHA Guideline for Assessment of Cardiovascular Risks in Asymptomatic Adults, Writing Committee and Lead Reviewer for the Task Force for Practice Guidelines.
2008	ACC/AHA Task Force on Performance Measures
2007	Guideline Process Improvement Workgroup Report Panel member
2007-Present	Program director for Cardiovascular Services Ochsner Medical Center, West Bank Gretna, LA
2006-2009	Member of American College of Cardiology/American Heart Association Task Force on Practice Guidelines
2005	ACC/Institute of HealthCare Improvement (IHI) AMI Expert Roster for acute MI
2005	Editorial Consultant American Heart Journal

Professional Appointments (continued)

2004-06	Member of the Membership & Communications Committee of the Council on Clinical Cardiology American Heart Association
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- 2004 ACCF/AHA Guidelines Writing Committee for the Management of Patients with ST Elevation and Myocardial Infarction
- 2003 American Board of Internal Medicine Practice Improvement Module Development Committee for Acute Myocardial Infarction
- 1999-2001 Chairman, Credentials Committee
American Heart Association
Council on Clinical Cardiology
- 1999-2002 Executive Committee
American Heart Association
Council on Clinical Cardiology
- 1999 Vice-President
American Society of Nuclear Cardiology
Southeast Region
- 1998 Accreditation Council for Graduate Medical Education Residency Review Committee
- 1997-2000 Editorial Consultant
American Heart Journal
- 1997 Credentials Committee
American Heart Association
Council on Clinical Cardiology
- 1994 Editorial Consultant
Journal of Cardiovascular Catheterization and Diagnosis
- 1994 Director of Special Care Committee
West Jefferson Medical Center
Marrero, LA

Professional Appointments (continued)

1994-Present	President/Medical Director Heart Clinic of Louisiana/APMC Heart Clinic of Louisiana Diagnostic Services Marrero, Louisiana
1994	Management Committee Westbank IPA
1994	Executive Committee American Heart Association Council on Clinical Cardiology
1993	American College of Cardiology, Council of Governors, Louisiana
1993	Government Relations Committee American College of Cardiology Louisiana Chapter
1993	Executive Committee American Heart Association Council Clinical Cardiology
1993-Present	Board of Directors Columbia College Alumni Association
1993-Present	Board of Directors P&S Alumni Association Regional Committee
1992	Director of the Coronary Care Unit West Jefferson Medical Center Marrero, LA
1991	Director of Cardiac Catheterization Laboratory West Jefferson Medical Center Marrero, LA
1991	Medical Director, Cardiac Intensive Care Unit West Jefferson Medical Center Marrero, LA
1991	Vice-President American Heart Association Jefferson Parish Chapter

Professional Appointments (continued)

1990 Board Member
American Heart Association
Louisiana Affiliate

1990 Representative, Mississippi & Louisiana
American Heart Association
Clinical Council on Cardiology

1990 Vice-President
American Heart Association
Louisiana Chapter

1990 Vice-President
American Heart Association
Jefferson Parish Chapter

1985 Director of Cardiology
JoEllen Smith Medical Center
New Orleans, LA

Certification

Diplomat in Interventional Cardiology
Certification Board, Nuclear Cardiology
Certificate/Licensure for Medical Radioisotopes Used
from the New England Roentgen Ray Society and the Massachusetts
General Hospital
Diplomate, Cardiovascular Diseases
Diplomate, American Board of Internal Medicine
National Board of Medical Examiners

Licensure

Louisiana
California
New York
Colorado

Honors/Awards

Marquis Whos' Who in Science and Engineering, 2011-2012
Marquis Who's Who in The World, 2005-Present
Marquis Who's Who in America, 2004 - Present
Tulane AOA Volunteer Clinical Faculty Teaching Award, 1999
Tulane Volunteer, 1999
Who's Who in the South and Southwest, Biography, 1980
Associate Alumnus, Harvard University Medical Alumni
Association, 1976
Alpha Omega Alpha, 1974
National Merit Scholarship Finalist

Professional Memberships

Society of Cardiovascular Magnetic Resonance, 2000-2001
American Heart Association, Council on Clinical
Cardiology, Fellow, 2000 - present
American Society of Nuclear Cardiology, 1995 - present
Society for Cardiac Angiography and Intervention, Fellow,
1990 - present
American College of Cardiology, Fellow, 1979 - present
New Orleans Academy of Internal Medicine, 1979 - present
Paul Dudley White Society, 1979 - present
Louisiana State Medical Society, 1979 - present
American Heart Association, Fellow, 1979 - present
American College of Physicians, Fellow, 1978 - present
American Federation for Clinical Research, 1976
American Medical Association

Publications

1. Kushner, F.G., Lam, W., Morganroth, J.: Apex sectorechocardiography in evaluation of the right atrium in patients with mitral stenosis and atrial septal defect. *Am.J. Cardiol* 42: 733-737, 1978.
2. Goldberg, S., Lam, W., Mudge, G., Kushner, F.G.: Coronary hemodynamic and myocardial metabolic alterations accompanying coronary spasm. *Am. J. Cardiol.* 43 No 3:481. March 1979.
3. Okada, R.D., Kirshenbaum, H.D., Kushner, F.G., Boucher, C.A., Block, P.C., Strauss, H.W., Pohost, G.M.: "Radionuclide determined change in pulmonary blood-volume with exercise improved sensitivity of multigated blood scanning in detecting coronary artery disease." *New England Journal of Medicine*: Vol 301, No. 11 September 13, 1979.
4. Kirshenbaum, H.D., Okada R.D., Kushner, F.G. et al.: The relation of global left ventricular function with exercise to thallium-201 exercise scintigram. *Journal of Nuclear Medicine*, 20:687, 1979.
5. Okada, R.D., Kirshenbaum, H.D., Kushner, F.G., Strauss, H.W., Dinsmore, R.E., Newell, J.B., Boucher, C.A. Block P.C., and Pohost, G.M.: Observer Variance in the Qualitative Evaluation of Left Ventricular Wall Motion and the Quantitation of Left Ventricular Ejection Fraction Using Rest and Exercise Multigated Blood Pool Imaging. *Circulation*: Vol. 61, No. 1 January 1980
6. Okada, R.D., Kirshenbaum, H.D., Kushner, F.G., Boucher, C.A., Newell, J.B., Dinsmore, R.E., Block, P., Strauss, H.W., Pohost, G.M.: "Observer variance in the Qualitative evaluation of left ventricular wall motion and qualification of left ventricular ejection fraction using rest and exercise multigated blood pool imaging." *Circulation*: January 1980.
7. Boucher, C.A., Strauss, H.W., Okada, R.D., Kirshenbaum, H.D., Kushner, F.G., McKusick, K.A., Block, P.C., Leask, J.W., and Pohost, G.M.: "The bifocal Diverging Collimator: A Means of Simultaneous Biplane Imaging of the Heart During Equilibrium Radionuclide Ventriculography. *Journal of Nuclear Medicine* 21: 71-76, 1980.

Publications (continued)

8. Kushner, F.G., R.D., et al.: Lung Thallium-201 uptake after stress testing in patients with coronary artery disease. *Circulation* 63 No. 2, 34 February 81.
9. Kirshenbaum, H.D., Okada, R.D., Kushner, F.G.;; Relationship of Thallium-201 myocardial refusion to deposit and global left ventricular fraction with exercise. *American Heart Journal*, June 1981.
10. Kirshenbaum, H.D., Okada, R., Boucher, C.A., Kushner, F.G., Strauss, H.W., Pohost, G.M.: "Relationship of Thallium-201 Myocardial Perfusion Pattern to Regional and Global Left Ventricular Function with Exercise." *American Heart Journal* 101, No. 6, 734, June 1981.
11. Kushner, F.G., Helm, M.J.: Successful Directional Atherectomy of Eccentric Renal Artery Stenosis using the Simpson Directional Coronary Atherocath as a Primary Therapy. *Catheterization & Cardiovascular Diagnosis* 29:128-130 (1993)
12. The GUSTO Investigators (Kushner, F.G.): An International Randomized Trial Comparing Four Thrombolytic Strategies for Acute Myocardial Infarction. *New England Journal of Medicine*: Vol 329, No. 10, pg. 673. September 2, 1993.
13. The PERSUIT Trial Investigators: Inhibition of Platelet Glycoprotein IIb/IIIa With Eptifidatide in Patients With Acute Coronary Syndromes. *The New England Journal of Medicine*, 339:436-443 (August 13), 1998.
14. ACC/AHA Guidelines for The Management of Patients With ST-Elevation Myocardial Infarction. *American Journal of Cardiology*: 2004:, 44: 671-719. August 4, 2004.
15. ACC/AHA Practice Guidelines for The Management of Patients With STEMI; Executive Summary. *Circulation*: Volume 110; No. 5, ISSN 009-7322:588-636, August 3, 2004.
16. Kushner, F.G., Antman, E.M.: Oral Anticoagulation for Atrial Fibrillation After ST-Elevation Myocardial Infarction - New Evidence to Guide Clinical Practice. *Circulation*: 2005; 112:3212-3214.
17. ACC/AHA 2007 Guidelines for the management of Patients With Unstable Angina/Non-ST-Elevation Myocardial Infarction – Executive Summary; *Journal of the American College of Cardiology*, *Circulation*: Volume 50, No. 7, ISSN 0735-1097/07; August 14, 2007.
18. 2007 Focused Update of the ACC/AHA; 2004 Guidelines for the Management of Patients With ST-Elevation Myocardial Infarction: *Journal of the American College of Cardiology*, *Circulation*: Vol. 51, No. 2, 2008; ISSN 0735-1097/08.
19. 2007 Chronic Angina Focused Update of the ACC/AHA 2002 Guidelines for the Management of Patients With Chronic Stable Angina: *Journal of the American College of Cardiology*, *Circulation*: Vol 50, No 23, 2007; ISSN 0735-1097/07.

Publications (continued)

20. 2007 Focused Update of the ACC/AHA/SCAI 2005 Guideline Update for Percutaneous Coronary Intervention: Journal of the American College of Cardiology; Circulation: Vol. 51, No. 2, 2008; ISSN 0735-1097/08.
21. 2009 Focused Updates: ACC/AHA Guidelines for the Management of Patients With ST-Elevation Myocardial Infarction (Updating the 2004 Guideline and 2007 Focused Update) and ACC/AHA/SCAI Guidelines on Percutaneous Coronary Intervention (Updating the 2005 Guideline and 2007 Focused Update): Journal of the American College of Cardiology, Circulation: Vol. 54, No. 23, 2009.
22. 2009 Focused Updates: ACC/AHA Guidelines for the management of Patients With ST-Elevation Myocardial Infarction (Updating the 2004 Guideline and 2007 Focused Update) and ACC/AHA/SCAI Guidelines on Percutaneous Coronary Intervention (Updating the 2005 Guideline and 2007 Focused Update): Journal of the American Heart Association, Circulation: Vol. 120, No. 22, December 1, 2009.
23. 2010 ACCF/AHA Guideline for Assessment of Cardiovascular Risk in Asymptomatic Adults: A report of the American College of Cardiology Foundation/American Heart Association Task Force on Practice Guidelines. Journal of the American Heart Association, *Circulation* published online November 15, 2010; DOI: 10.1161/CIR.0b013e3182051b4c.

BOOK CHAPTERS

1. Cardiovascular Therapeutics, 3RD Edition. A Comparison to Braunwald's Heart Disease. Antman, E., Editor; Kushner, F., Bates E. ST-Elevation Myocardial Infarction; Elsevier Saunders, Publisher 2006

ABSTRACTS

1. Kushner, F.G., Lam, W., Klunder, P., Morganroth, J.: The assessment of right atrium using apex-sector echocardiography. *Am.J.Cardiol.* 41: No. 2. 392, 1978.
2. Kushner, F.G., Lam, W., Kastor, J.A., Morganroth, J.: Atrial size by cross sectional echocardiography in right ventricular volume and pressure overload. *World Fed. of Nuc. Med. and Bio. Abstracts*, 151, 1978.
3. Kushner, F.G., Okada, R.D., Kirshenbaum, H.D., Boucher, C.A., Strauss, H.W., Pohost, G.M.: Pulmonary Thallium-201 after stress in patients with coronary artery disease. *Clinical Research* 27: No. 2. 182 a, April 1979.
4. Okada, R.D., Kushner, F.G., Kirshenbaum, H.D., Dinsmore, R.E., Newell, J.B., Strauss, H.W., Pohost, G.M. Interobserver variance in the evaluation of left ventricular regional wall motion using contrast ventriculogram and rest and exercise multigated blood pool image. *Am J. Cardiol.* 43: No. 2. 355, 1977.

ABSTRACTS (continued)

5. Okada, R.D., Pohost, G. M., Kirshenbaum, H.D., Kushner, F.G., Boucher, C.A., Strauss, H.W.: Exercise induced changes in pulmonary blood volume determined by blood pool imaging: Relationship to coronary artery disease. *Clinical Research* 27: No. 2. 191a, April 1979.
6. Goldberg, S., Mudge, G., Lam, W., Kushner, F., Green, L., Hirshfield, J., Kastor, J.: Ergonovine induced coronary hemodynamic response in patients with a typical chest pain or variant angina. *Clinical Research* 27: No. 2. 169a, April 1979.
7. Okada, R., Boucher, C., Kirshenbaum, H. Kushner, F., Strauss, H., Pohost G.: Thallium Stress Test: Improved diagnostic accuracy for an individual observer using criteria derived from interobserver analysis of variance. *Clinical Research* 27: No. 2. 191a, April 1979.
8. Kirshenbaum, H., Okada, R., Kushner, F., Gerwits, H., Strauss, H., Boucher, C., Pohost, G.: The relation of global left ventricular function with exercise to Thallium-201 exercise scintigram. *Clinical Research* 27: No. 180a, April 1979.
9. Kushner, F.G., Okada, R.D., Kirshenbaum, H.D., Boucher, C.A. Strauss, H.W., Pohost, G.M.: Stress induced pulmonary Thallium-201 uptake in patients with coronary artery disease: *Journal of Nuclear Medicine*, June 1979.
10. Okada, R.D., Kirshenbaum, H., Kushner, F.G., Dinsmore, R., Strauss, H.W., Boucher, C.A., Pohost, G.M.: The evaluation of left ventricular regional wall motion using rest and exercise multigated blood pool images and rest contrast ventriculogram: a study of interobserver variance. *Journal of Nuclear Medicine*, June, 1979.
11. Okada, R.D., Pohost, G.M., Kirshenbaum, H.A., Kushner, F.G., Boucher, C.A., Strauss, H.W.: Exercise induced changes in regional pulmonary blood pool activity: Enhanced diagnostic accuracy for detecting coronary artery disease. *Journal of Nuclear Medicine*, June, 1979.
12. Kirshenbaum, H.A., Okada, R.D., Kushner, F.G., Gerwitz, H. Strauss, H.W., Boucher, C.A., Pohost, G.M.: The relation of global left ventricular functions to Thallium-201 Scintigrams. *Journal of Nuclear Medicine*, June 1979.
13. Boucher, C.A., Strauss, H.W., Okada, R.D., Kushner, F.G., Kirshenbaum, H.A., McKusick, K.A., Block, P., Leask, J., Pohost, G.M.: The Bifocal Diverging Collimator: A method of simultaneous biplane imaging of the heart. *Journal of Nuclear Medicine*, June 1979.
14. Brown, Jr, E.J., MacLean, A., Chew, P., Gelperin, K., Ilgenfritz, Yellen, L.G., Mahoney, R., Unger, C., Galyean, J., Kushner, F., Mallis, G., Williams, D., Blumenthal, M.: Fosinopril improves tolerance and attenuates clinical deterioration in patients with mild heart failure not taking Digoxin when added to diuretic therapy.

CLINICAL RESEARCH

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PRESENTATIONS

1. Kushner, F.G., Lam, W., Klunder, PI, Morganroth, J.: The assessment of the right atrium using apex-sector echocardiography. Presented at the 27th Annual Scientific Session of the American College of Cardiology, March 7, 1978.
2. Kushner, F.G., Lam, W., Kastor, J1, Morganroth, J.: Atrial size by cross-sectional echocardiography in right ventricular volume and pressure overload. Presented at the Second International Congress of the World Federation of Nuclear Medicine and Biology, September 21, 1978.
3. Kushner, F.G., Okada, R.D., Kishenbaum, H.D., Boucher, C.A., Strauss, H.W., Pohost, G.M.: Pulmonary Thallium-201 after stress in patient with coronary artery disease, Poster presentation, Annual Meeting of the AAP/ASCI/American Federation for Clinical Research, May 7, 1979.
4. Kushner, F.G., Okada, R.D., Kirshenbaum, H.D., Boucher C.A., Strauss, H.W., Pohost, G.M.: Stress induced pulmonary Thallium 201 uptake in patients with coronary artery disease. Society of Nuclear Medicine-26th. Annual Meeting, June 1979.
5. Regular guest speaker on WGSO and WSHO radio show.
6. Sponsorship, organizer and contributor to "How To Beat A Heart Attack" presented one hour TV special WWL-TV, 1986.
7. Grand Rounds Louisiana State University Medical School –Topic "Aortic Valvuloplasty", 1986.

PRESENTATIONS (continued)

8. Symposium on "Update in Cardiology for the Practicing Family Physician and Internist" at Windsor Court Hotel, 1987.
9. Symposium "New Directions in Interventional Cardiology" presented at the English Turn Country Club, 1988.
10. Grand Rounds Louisiana State University Medical Center-Topic" Complications of Myocardial Infarction", 1990.
11. Distinguished guest lecturer at orientation for Louisiana State University Medical School, September 1993.

12. Host for WYES TV March 1996 for TV program "Heart to Heart."
13. Grand Rounds Meadowcrest Hospital –Topic "Hypercholesterolemia Prevention Strategies in Heart Disease" March 29, 1996.
14. Presentation, Meadowcrest Hospital – Topic "Heart Failure", November 15, 1996.
15. Presentation, Meadowcrest Hospital – Topic "Hyperlipidemia in Diabetic Patients", February 7, 1997.
16. Louisiana State University Medical Center Cardiology Board Review Course "Nuclear Cardiology" 1997.
17. Louisiana State University Medical Center Cardiology Board Review Course "Nuclear Cardiology" 1998, 1999.
18. Grand Rounds Tulane Medical Center Dept. of Anesthesiology March 7, 2001.
19. Presentation, West Jefferson Medical Center – Heart & Lung Awareness Program – Topic "New AHA Website Risk Factor Assessment, March 10, 2001.
20. Presentation, Professorial Grand Rounds, Department of Anesthesia, The Cardiology Consult, October 2002.
21. Presentation, Updating Guidelines for Unstable Angina; Medical Group presentation; October 2002.
22. Presentation, The Optimal LDL Target; 5th Annual Cardiovascular Symposium; September 3-6, 2004.
23. Presentation, "Modern Management of Hypertension: Rationale for Combination Therapy," Novartis Pharmaceuticals Corporation, September 14, 2004.
24. Grand Rounds East Jefferson Hospital February 15, 2005.
25. Grand Rounds LSU University Hospital February 18, 2005.

PRESENTATIONS (continued)

26. Presentation: "Advances in the Management of Acute Coronary Syndromes"; March 8, 2005.
27. Presentation: "Acute ST Elevation Myocardial Infarction New Insights"; Cardiovascular Symposium; Gulf South Cardiovascular Institute; September 2006.
28. Cardiology Grand Rounds, Tulane University Medical School, January 17, 2007, "STEMI 2007, Approaches and Challenges".
29. Cardiology Grand Rounds, Tulane University Medical School, February 11, 2009, "Focused Update for STEMI and PCI".

30. American Heart Association Annual Scientist Session 2009, ACC/AHA, November 2009, “ Focused Update for STEMI and PCI”.
31. Mission: Lifeline Customer Webinar: Latest Science for STEMI Systems, Panelist, January 11, 2010.
32. CVN: 2009 Focused Update of the STEMI and PCI Guidelines, Frederick G. Kushner, M.D., F.A.C.C., Marrero, LA, Interviewer: Peter C. Block, M.D., F.A.C.C., January 2010
33. Moderator and Faculty of TCT Scientific Committee, session entitled “New Guideline Directions: STEMI and NSTEMI, September 2010, Washington Convention Center, Washington, D.C.

COMMUNITY SERVICE

1. --(b)(6)--
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5. --(b)(6)--
6. Vice-President American Heart Association - Louisiana Affiliate.
7. Board Member American Heart Association of Louisiana -1990.
8. Board of Directors Columbia College Alumni Association, New York.
9. Regional Alumni Representative College of Physicians and Surgeons, Columbia University.
10. West Jefferson Medical Center Ethics Committee, 1995.
11. --(b)(6)--.
12. --(b)(6)--.

TULANE MEDICAL SCHOOL

1993 – 1997	Formation of doctor/patient module in community medicine. Elective, Senior Year
1998 – Present	Senior Medical Student Elective in Cardiology. Foundations in Medicine

TULANE LAW SCHOOL

2003, 2006

Senior Seminar in Medical-Legal Ethics