

CURRICULUM VITAE
of
WARREN K. LASKEY, M.D., MPH

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PERSONAL DATA

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Citizenship: U.S.A.
Spouse: Mary Ann E. Lukas-Laskey, M.D.

EDUCATION

09/66-06/70 B.A. Columbia College
New York, New York
09/70-06/74 M.D. New York University School of Medicine
New York, New York
1/09-7/11 MPH Johns Hopkins University
Bloomberg School of Public Health
Baltimore, Maryland

POSTGRADUATE TRAINING

Internship (medical)
07/74-06/75 Intern in Medicine
University of Minnesota Hospitals
Minneapolis, MN
Residency
07/75-06/77 Resident, Department of Medicine
University of Minnesota Hospitals
Minneapolis, MN
07/77-06/78 Chief Resident, Department of Medicine
Minneapolis Veterans Administration Hospital
Minneapolis, MN
Fellowship
07/78-06/80 Cardiology Fellow
Hospital of the University of Pennsylvania
Philadelphia, Pennsylvania

07/79-06/80 Research Fellow
American Heart Association
Southeastern Pennsylvania Heart Association
07/80-06/81 NIH Research Fellowship Training
Grant #HLO7346-03

CERTIFICATIONS

1977 American Board of Internal Medicine
1981 American Board of Internal Medicine; Subspecialty in
Cardiovascular Disease
1999 American Board of Internal Medicine; Subspecialty in
Cardiovascular Disease- Certificate of Added Qualification in
Interventional Cardiology

LICENSURES

1974 Minnesota (inactive)
1978 Pennsylvania (inactive)
1995 Maryland
2004 New Mexico

FACULTY/STAFF POSITIONS

07/81-12/88 Assistant Professor of Medicine
University of Pennsylvania School of Medicine
Philadelphia, PA
01/88-06/95 Associate Professor of Medicine
University of Pennsylvania School of Medicine
Philadelphia, PA
09/95- 07/02 Professor of Medicine
University of Maryland, School of Medicine
Baltimore, MD
10/02-10/03 Director, Cardiac Catheterization Laboratory
National Naval Medical Center
Bethesda, MD
10/03-06/04 Director of Interventional Cardiology, Division of Cardiology
Uniformed Services University for the Health Sciences
Bethesda, MD
10/04-06/18 Robert S. Flinn Professor of Medicine,
University of New Mexico School of Medicine
07/18- Professor Emeritus
University of New Mexico School of Medicine

MAJOR ACADEMIC TASKS

1983-95 Director of Research
Cardiac Catheterization Laboratory
Hospital of the University of Pennsylvania
Philadelphia, PA

- 1990-95 Co-Director (with Alvin Chin,MD), Adult Congenital Heart Disease Program.
Children's Hospital of Philadelphia/Hospital of the University of Pennsylvania
Philadelphia, PA
- 1990-93 Medical Director, Doylestown Hospital
Cardiac Catheterization Laboratory
Philadelphia, PA
- 1993-95 Director
Cardiac Catheterization Laboratory
Philadelphia VA Medical Center
Philadelphia, PA
- 1995-2001 Associate Director
Division of Cardiology, Department of Medicine
University of Maryland School of Medicine
Baltimore, MD
- 1995-2002 Director, Cardiac Catheterization Laboratories
University of Maryland Medical & Veterans Administration Medical Centers
Baltimore, MD
- 1998-2002 Director, Interventional Cardiology Training Program
University of Maryland School of Medicine
- 2003-2004 Director, Interventional Cardiology
Uniformed Services University for the Health Sciences
Bethesda, MD
- 2004-2018 Chief, Division of Cardiology, University of New Mexico School of Medicine

PROFESSIONAL MEMBERSHIPS

- 1984- Fellow, American College of Cardiology
- 1987- Fellow, Society for Cardiovascular Angiography and Interventions
- 1988- Member, Cardiovascular Systems Dynamics Society
- 1989- Fellow, American Heart Association Council on Clinical Cardiology
- 2005- Fellow, American College of Physicians

HONORS, AWARDS

- 1974 Alpha Omega Alpha
- 1974 James E. Tower Prize, New York University, School of Medicine
- 1974 Glover C. Arnold Prize, New York University
- 1974 Founders Award, New York University School of Medicine
- 2006 (Honorary) Member, Hong Kong College of Cardiology
- 2006 "Top Docs" (cardiology); Albuquerque Magazine
- 2007 "Top Docs" (cardiology); Albuquerque Magazine

EDITORIAL TASKS

Editorial Boards

- 1992-95 Associate Editor, Annals of Internal Medicine

1994- Editorial Board, Catheterization and Cardiovascular Diagnosis
1999- Editorial Board, Current Controlled Trials in Cardiovascular Medicine
1999- Editorial Board, Cardiovascular Engineering
2005- Editorial Board, Journal of the American College of
Cardiology: Interventions
2006- Editorial Board, Journal of Alternative and Complementary Medicine

Reviewer

American Journal of Cardiology
American Heart Journal
Journal of the American College of Cardiology
Annals of Internal Medicine
Catheterization and Cardiovascular Diagnosis
Chest
Circulation
Circulation Research

CAMPUS ACTIVITIES

University of Pennsylvania

1985-93 Member, University of Pennsylvania Committee on Studies
Involving Human Beings and The RDRC and Radiation Safety Committee
1986-90 Member, Ph.D. Advisory Group in Bioengineering Department of
Bioengineering
1986-87 Member, Cardiac Care Task Force Value Improvement Program,
Department of Medicine
1986-88 Member, Clinical Practices Advisory Committee, Department of Medicine
1987-88 Member, HUP Interdisciplinary Quality Review Committee,
Department of Medicine
1989-90 Cardiac Business Planning Group, Hospital of the Univ. of Pennsylvania
1989-90 Member, Search Committee for HUP Director of Pharmacy
1990-92 Member, Search Committee for Chief, Cardiology Division,
Children's Hospital of Philadelphia
1991-95 Member, Cardiac Catheterization Oversight Committee
1993-95 Chairman, Task force III University of Pennsylvania Committee on
Studies Involving Human Beings

University of Maryland

1995-98 Chairman, Quality & Outcomes Committee - UMMS Cardiac Network
1995-96 Member, Multispecialty Practice Sites Clinical Service Planning
Committee
1995-99 Member Credentialing Committee
1995-98 Member, Continuing Quality Initiative Committee
1996-98 Member, Clinical Quality Pathways
1996-99 Member, Phase III Cath Lab Needs Assessment Committee
1996 Member, Ph.D. Advisory Group, School of Pharmacy

University of New Mexico

2005-07 Member- at- Large, UNMH Medical Executive Committee
2006-2010 Member, UNMH Budget Committee
2007-2009 Cardiovascular Product Line Committee, Chair, University of
New Mexico Hospital
2009-2010 **Chairperson**, UNMH Medical Executive Committee

2008-2010 **Chief of Staff**, University of New Mexico Hospital
2009-2014 Member, UNMH Board of Trustees
2010- 2014 Member, UNMH Performance Oversight Committee

NATIONAL COMMITTEE ACTIVITIES OUTSIDE THE UNIVERSITY

ACC

1996- Member, Clinical Practice Expert Panel, American College of Cardiology
1996-97 Writing Group, Cardiac Catheterization Committee, American College of Cardiology
1996-97 Writing Group, ACC Expert Consensus Committee on Radiation Safety, American College of Cardiology
1999-01 Writing Group, ACC/SCA&I Clinical Expert Consensus Document on Catheterization Laboratory Standards
1995- Abstract Reviewer, Annual Scientific Sessions
1998- Abstract Session Moderator, Annual Scientific Sessions
1998 Member, ACC 1999 Annual Scientific Session Program Committee
1999 Member, ACC 2000 Annual Scientific Session Program Committee
2000 Member, ACC 2001 Annual Scientific Session Program Committee

AHA

1993-94 Member Peer Review Sub-Committee, American Heart Association, Maryland Affiliate
1996- Abstract Reviewer, Annual Scientific Sessions
1996- Abstract Session Moderator, AHA Annual Scientific Sessions
2008- Member, AHA GWTG Quality Improvement Sub-committee
2009- Member, AHA GWTG Science Sub-Committee
2009- Member, AHA GWTG HF Clinical Work Group
2009- GWTG CAD Clinical Work Group

NIH

2002-04 Member, Special Study Section ZRG1

FDA

1998- Member, FDA Circulatory System Devices Advisory Panel
2001-02 **Acting Chairman**, FDA Circulatory System Devices Advisory Panel
2001-04 **Chairman**, FDA Circulatory System Devices Advisory Panel
2004- Special Government Employee, CDRH, FDA

NRC

1997-01 Member, NRC Medical Rule-Making Workshop
1997-01 Member, ACC/ASNC/SCAI Ad Hoc Task Force on NRC Regulations

SCA&I

1996-97 **President**, Society for Cardiac Angiography & Interventions
1997-01 Member, NEMA-SCA&I ad hoc Working Group on Benchmarking Cardiac Fluoro Performance.

MISC

1997-98 Chairman, DSMB, Medtronic Be-Stent Trial
1997-98 Chairman, DSMB, Schwartz-Pharma LR-3280, Antisense Oligodeoxynucleotide to *c-myc*
2006-08 Chairman, DSMB Toshiba CORE 64 study of CTA. PI-Joao Lima, MD Johns Hopkins University School of Medicine

- 2009-2011 Chairman, DSMB Toshiba Core 320, A Multi Center study combined Non-invasive Coronary Angiography and Myocardial Perfusion Imaging using 320-Detector Computed Tomography
- 2011- Member, DSMB PLC Medical Systems, A Study to Evaluate RenalGuard ® System Safety and Efficacy When Compared with Standard Care in the Prevention of Contrast Induced Nephropathy in the Setting of a Catheterization Laboratory

OFFICES HELD

- 1990-93 Co-Chairman, Credentials Committee, Society for Cardiac Angiography & Interventions
- 1992-93 Co-Chairman, Program Committee, Society for Cardiac Angiography & Interventions
- 1992-95 **Trustee**, Society for Cardiac Angiography & Interventions
- 1992 Scientific Program **Chairman**, Annual Meeting of Society for Cardiac Angiography and Interventions, Charleston, South Carolina
- 1993-96 **Chairman**, Program Committee, Society for Cardiac Angiography & Interventions
- 1994 Scientific Program **Chairman**, Annual Meeting of the Society for Cardiac Angiography & Interventions, Seattle Washington
- 1996-97 **President**, Society for Cardiac Angiography & Interventions
- 1998 Scientific Program **Chairman**, Annual Meeting of the Society for Cardiac Angiography and Interventions, Montreal, Canada
- 1998- **Director**, Melvin P. Judkins Cardiac Imaging Symposium
- 1998-03 **Chairman**, ACC Annual Scientific Sessions Program Committee-Subcommittee in Exhibits
- 2006 **Co-chairman**, 23rd Annual Santa Fe Colloquium on Cardiovascular Therapy
- 2007 **Co-director**, DES Thrombosis "High Road" ThinkTank in Washington DC May 3-4, 2007.
- 2007 **Chair**, Melvin P. Judkins Cardiac Imaging Symposium, Orlando, FL. May 9, 2007.
- 2008 **Member**, Board of the New Mexico Chapter of the American Heart Association.
- 2009 **President-Elect**, Board of the New Mexico Chapter of the American Heart Association
- 2010-2015 **President**, Board of the New Mexico Chapter of the American Heart Association

CLINICAL AND TEACHING RESPONSIBILITIES

University of Pennsylvania

- 1981-95 Private in-patient service, 12 mos/year
- 1981-95 Intensive Care Unit Attending physician at HUP/PVA/MC 10 weeks/year
- 1981-95 Attending Physician, Cardiac Catheterization Laboratory 12 months/year
- 1983-93 Responsible for organization and coordination of research efforts in the catheterization laboratory (two-three research fellows per year)

- 1985-95 Cardiovascular radiology: one month elective rotation for radiology residents at HUP
1990-95 Director, Adult Congenital Heart Disease program: weekly clinic attended jointly by HUP and CHOP cardiology fellows

University of Maryland

- 1995-01 Director, Cardiac Catheterization Laboratory, University of Maryland Hospital
1995-02 Director, Interventional Cardiology Training Program

University of New Mexico

- 2004- Director, Adult Congenital Heart Disease Clinic
2004- In-patient Attending
2004- Attending Physician Fellow's Clinic
2004- Journal Club/Research Conference

GRANT SUPPORT

Principal Investigator (Local)

- 1986-90 A study of the safety and efficacy of various doses of BW-tPA in patients with acute myocardial infarction. Burroughs-Wellcome Co.; \$56,000.
1987-90 Circadian anti-ischemic program Pfizer Laboratories; \$25,000.
1990-92 Thrombolysis in Myocardial Ischemia (TIMI 3B) A Multi-Center Study of Thrombolysis in Myocardial Ischemia NIH - Brigham & Women's Hospital; \$25,000.
1992-93 A Randomized, Open Label, Dose Response Study To Evaluate the Effects of BM 06.022 (r-PA) at Doses of 15 MU, 10+5 MU and 10+10 MU, Relative to Alteplase (100mg), on Coronary Artery Patency and Safety in Patients with Acute Myocardial Infarction (MF4255); \$48,000.
1994-95 Effect of Intravenous ifetroban (BMS - 180291) on myocardial ischemia elicited by transient coronary artery occlusion/Bristol-Myers-Squibb; \$30,000.
1995-96 A randomized, single-blind study of two doses of Novastan®(brand of argatroban) versus heparin as adjunctive therapy to recombinant tissue plasminogen activator (rt-PA) (accelerated administration) in acute myocardial infarction/COROMED; \$28,000.
1996-97 Efficacy of intracoronary heparin delivery in patients undergoing PTCA/ Local Med; \$40,000.
1997-99 Beta-energy Therapy to Address Coronary Atherosclerosis/NOVOSTE; \$80,000.
1997-98 A Phase IV, Prospective, Randomized, Double-Blind, Multicenter Trial of Visipaque® (iodixanol) Injection vs. Hexabrix® (ioxaglate) Injection in High Risk Patients Undergoing Coronary Artery Intervention Procedures/NYCOMED; \$120,000.
1998-99 A Multicenter study of the CrossFlex LC-Balloon-Expandable Stent mounted on the Valor OTW Delivery System in patients with de novo or restenotic native coronary artery or saphenous vein graft lesions/CORDIS; \$40,000
1998-00 Stents and Radiation Therapy Trial (START)/NOVOSTE; \$50,000
1999- 01 A Multicenter study of the Velocity™ Stent to evaluate patients with *de novo* or restenotic native coronary artery lesions/CORDIS, \$40,000
1999- 01 Prevention of Restenosis With Tranilast (PRESTO)/Smith-Kline Beecham, \$75,000

2000-02	Sound Wave Inhibitor of Neo-Intimal Growth (SWING)/ Pharmasonics, \$75,000
2001-06	Bypass Angioplasty Revascularization Intervention in type 2 Diabetes (BARI-2D)/ NHLBI/Univ Pittsburgh
2006-08	Radiocontrast Exposure and Protein Expression Profile, \$131,849/GE Healthcare
2004-2010	Dynamic Evaluation of Percutaneous Coronary Intervention/NHLBI, \$40,000

Principal Investigator/Steering Committee (National/International)

1999-00	Stents and Radiation Therapy Trial (START 40)/Novoste
2002-04	Phase 3B, Double Blind Randomized Comparator Study Evaluating Renal Toxicity of Visipaque (iodixanol) vs. Optiray (Ioversol) in Renally Impaired Patients Undergoing Coronary Arteriographic Procedures./Amersham
2002-03	Prospective United States Investigation of the Cardia Foramen Ovale Closure Device/Cardia, Inc
2005-08	Multi-center, randomized, double blind, parallel group phase IV study to compare the renal effects of the non-ionic iso-osmolar contrast medium iodixanol 320 mgI/mL (Visipaque™) with the non-ionic low osmolar contrast medium iopamidol 370 mgI/mL in subjects with impaired renal function and diabetes mellitus undergoing coronary angiography with or without percutaneous coronary intervention (PCI)/GE Healthcare.

Research Mentorships

1982	SEPHA fellowship: J. Patrick Kleaveland, M.D. (University of Pennsylvania) Title: Ejection Dynamics in Mitral Regurgitation
1983	SEPHA fellowship: Gary Zeevi, M.D. (University of Pennsylvania) Title: Coupling of Shortening Load and MVO ₂ in Cardiac Hypertrophy
1984	SEPHA fellowship: David Zimrin, M.D. (University of Pennsylvania) Title: Effects of Dobutamine on Mechanical Determinants of MVO ₂
1985	SEPHA fellowship: William G. Kussmaul, M.D. (University of Pennsylvania) Title: Analysis of Hydraulic Load in Heart Failure
1986	SEPHA fellowship: H. Graham Parker, M.D. (University of Pennsylvania) Title: Analysis of Hydraulic Work in Heart Failure
1986	Jeffrey Wieland, M.D. (University of Pennsylvania) Title: Pulmonary Artery Impedance in CAD
1986	Victor Ferrari, B.S. (University of Pennsylvania) Title: Arterial Compliance in Heart Failure
1987	M.A. Lukas, M.D. (University of Pennsylvania) Title: Efficacy of Heparin Therapy in Unstable Angina
1988	AHA Samuel A. Levine Young Clinical Investigator Award, Ezra Deutsch, M.D. (University of Pennsylvania) Title: Ischemic Adaptation during PTCA
1989	Mark Berger, M.D. (University of Pennsylvania) Title: Ischemic Adaptation During PTCA
1990	Squibb Society for Cardiac Angiography and Intervention Fellowship Award, Timothy Shapiro M.D.,(Univ. of PA). Title: Myocardial glucose metabolism assessed by F18 deoxyglucose PET in patients treated with thrombolytic therapy for anterior wall MI
1990	Steven Brady, M.D. (University of Pennsylvania). Title: Intravascular ultrasound during PTCA
1991	-Steven Guidera, M.D. (University of

- 1991 Pennsylvania). Title: Intravascular ultrasound during PTCA
Paul Vaitkus, M.D., (University of Pennsylvania). Title: Regional LV
electrograms during PTCA
- 1992 Andrew Waxler, B.S. (University of Pennsylvania) Title: Intravascular
ultrasound during PTCA
- 1993 Colin Movsovitz, M.D. (University of Pennsylvania) Title: Exercise
hemodynamics in patients with aortic valve stenosis.
- 1994 Back Kim, M.D. (University of Pennsylvania) Title: Ventricular -Vascular
coupling in heart failure
- 1996 Richard Lim, M.D. (University of Maryland) Title: Ischemic
Preconditioning in Unstable Coronary Syndromes
- 1999 Assadour Assadourian, MD (University of Maryland) Title: Intravascular
Ultrasound Evaluation of Coronary Stents
- 2000 Samuel Yoon, MD (University of Maryland) Title: Intravascular Ultrasound
Evaluation of Coronary Stents
- 2002 Luther Carter, MD (Uniformed Services University for the Health
Sciences) Title: Effects of radiographic contrast media on inflammatory
markers
- 2004 Charles Jenkins, MD (University of New Mexico). Title: Prediction of
Contrast-associated Nephropathy
- 2006-08 Charles Jenkins, MD/Armin Foghi, MD (University of New Mexico). Title:
Proteomic Analysis of serum following coronary angiography
- 2007-08 Rick Snider, MD (University of New Mexico). Title: Quality Management in
the cardiac catheterization laboratory
- 2009-10 Jeremy Lum, MD/Khaled Awad (Univerisity of New Mexico). Title: ICD
and CRT malfunction rates. A study of the FDA annual reporting
database
- 2010 Juan Martinez, MD (University of New Mexico). Title: Proteomic analysis
following contrast angiography
- 2010 Juan Martinez, MD (University of New Mexico). Title: Ceramide during
primary PCI
- 2010 Nathan Boyer, MD (University of New Mexico). Title: Project Smart Heart
- 2011 Nathan Boyer, MD (University of New Mexico). Title: Trends in clinical
and demographic feature of patients with AMI
- 2011 Saadi Siddiqi, MD (University of New Mexico). Title: Pulse Wave Velocity
assessment during cardiac rehabilitation
- 2012 Alex Schevchuk MD (University of New Mexico). Title: Ischemic Post-
conditioning
- 2013 Ihab Alomari MD (University of New Mexico). Title: Heart rate as a
prognostic factor in patients with heart failure
- 2013 Bina Ahmed MD (University of New Mexico) Title: Declining in-hospital
mortality in patients with acute myocardial infarction and diabetes mellitus
- 2014 Tiffany Win, MD (University of New Mexico) Title: Diabetes and heart
failure
- 2014 Sonia Ponce, MD (University of New Mexico): Title: Race/ethnicity and
hospital readmission for heart failure
- 2104 Melissa Martinez, med student (University of New Mexico): Title: Impact
of race, ethnicity, sex, and socio-economic status on the risk for heart
failure readmission: the importance of context
- 2015 Tiffany Winn, MD (University of New Mexico). Title: Use and mis-use of
administrative data bases for epidemiologic purposes

2016 Abdel Anabtawi, MD (University of New Mexico). Title: Left ventricular dysfunction in adults with Tetralogy of Fallot

BIBLIOGRAPHY

Refereed Articles

1. *Laskey WK*, Sarosi GA: Endogenous activation in blastomycosis. *Ann Inter Med* 88:50, 1978
2. *Laskey WK*, Sarosi GA: The radiologic appearance of pulmonary blastomycosis. *Radiology* 126:351, 1978
3. Sarosi G, Eckman M, Davies S, *Laskey WK.*: Canine blastomycosis as a harbinger of human disease. *Ann Inter Med* 91:733-35, 1979
4. *Laskey WK*, Bianco JW, Shafer RB, From AHL: The assessment of left ventricular function in aortic insufficiency using echocardiography, gated scintigraphy and contrast angiography. *Clin Nuc Med* 4:279, 1979
5. Bianco T, Makey D, *Laskey WK*, Shafer R: Radionuclide left ventricular dv/dt for the assessment of cardiac function in patients with coronary disease. *J Nucl Med* 20:1, 1979
6. Bianco J, *Laskey WK*, Makey D, Shafer RB: Angiotensin infusion effects on left ventricular function. *Chest* 77:172-178 1980
7. *Laskey WK*, Sarosi GA: Blastomycosis in childhood. *Ped* 65:111-114, 1980
8. *Laskey WK*, Untereker, WJ, Kusiak V, Martin, JL, Groh WC, Hirshfeld JW, Jr: A safe and rapid technique for retrograde catheterization of the left ventricle in aortic stenosis. *Cathet Cardiovasc Diagn* 8:429-435, 1982
9. *Laskey WK*, Kusiak V, Untereker WT, Hirshfeld JW, Jr: Transseptal left heart catheterization: Utility of a sheath technique. *Cathet Cardiovasc Diagn* 8:535-542, 1982
10. Wilson JR, Martin JL, Untereker WJ, *Laskey WK*, Hirshfeld JW, Jr: Sequential changes in regional coronary flow during pacing-induced angina pectoris: coronary flow limitation precedes angina. *Am Heart J* 107:269-277, 1982
11. Martin JL, Wilson JR, Untereker WJ, *Laskey WK*, Burch J., Hirshfeld, JW, Jr: Effect of atrial pacing on intracoronary thromboxane production in coronary disease *J Am Coll Cardiol* 1:1194-200, 1983
12. *Laskey WK*, Reichel N. St. John Sutton M, Untereker W, Hirshfeld, JW, Jr: Myocardial oxygen consumption in left ventricular hypertrophy and its relation to left ventricular mechanics. *Am J Cardiol* 52:852-58, 1983
13. Doherty JV, *Laskey WK*, Wagner H, Stephenson, LW, Rashkind WJ: Coronary bronchial artery fistula with partial absence of a pulmonary artery: association with partial anomalous pulmonary venous drainage. *J Am Coll Cardiol* 2:369-73, 1983
14. Hirshfeld JW, Jr, *Laskey WK*, Martin JL, Groh WC, Untereker W, Wolf GL: Hemodynamic changes induced by cardiac angiography with ioxaglate: A comparison with Diatrizoate. *J Am Coll Cardiol* 2:954-7, 1983

15. *Laskey WK*, St. John Sutton M, Untereker WJ, Martin JL, Hirshfeld JW, Jr, Reichek N: Mechanics of pulsus alternans in aortic valve stenosis. *Am J Cardiol* 52:809-12, 1983
16. *Laskey WK*, Reichek N, St. John Sutton M. Untereker WJ, Hirshfeld JW, Jr: Matching of myocardial oxygen consumption to mechanical load in human left ventricular hypertrophy and dysfunction. *J Am Coll Cardiol* 3:291-300, 1984
17. *Laskey WK*, St John Sutton M, Zeevi G, Hirshfeld JW, Reichek N: Left ventricular mechanics in dilated cardiomyopathy. *Am J Cardiol* 54:620-625, 1984
18. Martin JL, Likoff MJ Janicki JS, *Laskey WK*, Hirshfeld JW, Weber KT: Myocardial energetics and clinical response to the cardiotonic agent MDL17,043 in advanced cardiac failure. *J Am Coll Cardiol* 4:875-883, 1984
19. Martin JL, Wilson JR, Ferraro N, *Laskey WK*, Kleaveland JP, Hirshfeld JW: Acute coronary vasoconstrictive effects of cigarette smoking in coronary heart disease. *Am J Cardiol* 54:56-60, 1984
20. Martin JL, Fisher CA, Untereker WJ, *Laskey WK*, Hirshfeld JW, Harken AH, Addonizio VP: Effect of high dose aspirin on coronary hemodynamics during pacing - induced myocardial ischemia. *J Am Coll Cardiol* 5:210-215, 1985
21. *Laskey WK*, Shroff SG, Kussmaul W, Martin JL, Kleaveland JP, Hirshfeld JW: Arterial pressure/flow relationships in heart failure due to congestive cardiomyopathy. *Cardiovas Systems Dynamics Society 6th Int. Conference Workshop* pp 324-327, 1984, Phila., PA Univ. of PA
22. *Laskey WK*, Kussmaul WG, Martin JL, Kleaveland JP, Hirshfeld JW, Shroff S: Characteristics of vascular hydraulic load in heart failure. *Circ* 72:61-71, 1985
23. *Laskey WK*, Zeevi GR, St. John Sutton M, Martin JL, Hirshfeld JW, Reichek N: Effects of nitroglycerin in patients with angina, normal coronary arteries and left ventricular hypertrophy. *Am Heart J* 112:953-962, 1986
24. *Laskey WK*, Kussmaul WG: Arterial wave reflections in heart failure. *Circ* 75:711-727, 1987
25. Kussmaul WG, Kleaveland JP, Martin JL, Hirshfeld JW, *Laskey WK*: Left ventricular ejection dynamics in dilated cardiomyopathy: Effects of exercise and nitroprusside. *Am J Cardiol* 59:647-655, 1987
26. Barnathan E, Schwartz JS Taylor L, *Laskey WK*, Kleaveland JP, Kussmaul WG, Hirshfeld JW: Aspirin and dipyridamole in the prevention of acute coronary thrombosis complicating coronary angioplasty. *Circulation* 76:125-134, 1987
27. Kussmaul WG, Wieland JM, and *Laskey WK*: Pressure-flow relations in the pulmonary artery during myocardial ischemia. *Cardiovas Res* 22:627-638, 1988
28. Brady ST, Davis CA, Kussmaul WG, *Laskey WK*, Hirshfeld JW, Herrmann HC. Percutaneous Aortic Balloon Valvuloplasty on octogenarians: morbidity and mortality. *Ann Inter Med* 110:761-766, 1989

29. Kussmaul WG, Smith DL, Herrmann HC, Hirshfeld JW, *Laskey WK*: Method for quantitation of abnormal right atrial pressure wave forms: application to constrictive pericarditis. *J Inv. Cardiol* 1:213-218, 1989
30. *Laskey WK*, Parker HG, Ferrari V, Kussmaul WG: Estimation of total systemic arterial compliance in humans. *Am J Physiol* 69:112-119, 1990
31. Laskey MA, Deutsch E, Barnathan E, *Laskey WK*: Influence of heparin therapy on PTCA outcome in unstable angina. *Am J Cardiol* 65:1425-1429, 1990
32. Laskey MA, Deutsch E, Hirshfeld JW, Kussmaul WG, Barnathan E, *Laskey WK*: Influence of heparin therapy on PTCA outcome in patients with coronary arterial thrombus. *Am J Cardiol* 65:179-182, 1990
33. *Laskey WK*, Kussmaul WG, Noordergraaf A: Aortic impedance in human heart failure: Importance of low frequency harmonics. *Proc of 12th Ann Int Conf IEEE EMBS* 12(3) 1156-1157, 1990
34. Deutsch E, Berger M, Kussmaul W, Hirshfeld J, Herrmann H, *Laskey WK*: Ischemic Adaptation During PTCA. clinical, hemodynamic and metabolic features *Circulation* 82:2044-2051, 1991
35. Kussmaul WG, Altschuler J, Herrmann HC, *Laskey WK*: Effects of pacing tachycardia and balloon valvuloplasty on pulmonary artery impedance and ventricular vascular coupling in mitral stenosis. *Circulation* 86:1770-1779, 1992
36. Vaitkus PT, Herrmann HC, *Laskey WK*: Management and immediate outcome of patients developing intracoronary thrombus during percutaneous transluminal coronary angioplasty. *Am Heart J* 124:1-8, 1992
37. Berger D, Li J, *Laskey WK*, Noordergraaf A: Left ventricular compliance pumping and arterial system wave reflection. *Proc. 14th Ann Int Conf IEEE EMBS* 14(2): 677-678, 1992
38. Sehgal CM, Arger PH, Yeramamosu V, Krol J, *Laskey WK*: In-vivo estimation of radial distribution of coronary wall stress. *Am Ins Ultr Med* 5:21, 1992
39. *Laskey WK*, Ferrari VA, Palevsky HI Kussmaul WG: Pulmonary arterial hemodynamics in primary pulmonary hypertension. *J Am Coll Cardiol* 21:406-412, 1993
40. Berger DS, Li J, *Laskey WK*, Noordergraaf A: Repeated reflection of waves in the systemic arterial system. *Am J Physiol* 264:H269-H281, 1993
41. Kussmaul WG, Wieland J, Altschuler J, *Laskey WK*: Pulmonary impedance and right ventricular-vascular coupling during coronary angioplasty. *Am J Physiol* 74:161-169, 1993
42. Berger DS, Li J, *Laskey WK*, Noordergraaf A: Multiple wave reflections in the systemic arterial system. *Proc of 13th Ann Int. Conf. IEEE EMBS* 13(5):2044-2045, 1993

43. *Laskey WK*, Brady ST, Kussmaul WG, Waxler AR, Krol J, Herrmann HC, Hirshfeld JW, Sehgal C: Intravascular ultrasonographic assessment of the results of coronary artery stenting. *Am Heart J* 125:1576-1583, 1993
44. Kussmaul WG, Altschuler JA, Matthai WH, *Laskey WK*: Right ventricular-vascular interaction in congestive heart failure: Importance of low frequency impedance. *Circulation* 38:1010-1015, 1993
45. *Laskey WK*, Ferrari VA, Palevsky HI, Kussmaul WG: Ejection characteristics in primary pulmonary hypertension. *Am J Cardiol* 71:1111-1114, 1993
46. Turi, ZG, Goldberg S, VanderArk C, Shadoff N, Karlsberg R, Williams J, Butman S, Stanlius ML, Wise K, Buchbinder M, Genton E, *Laskey WK*, DeMaria A, White C, Sheehan F, Comp PC, Fowler GB, Edwards S, Little John JK: Dose related efficacy and bleeding complications of double chain tissue plasminogen activator in acute myocardial infarction. *Am J Cardiol* 71:1009-1014, 1993
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Writing Committee Members, Hirshfeld JW Jr, Ferrari VA, Bengel FM, Bergersen L, Chambers CE, Einstein AJ, Eisenberg MJ, Fogel MA, Gerber TC, Haines DE, *Laskey WK*, Limacher MC, Nichols KJ, Pryma DA, Raff GL, Rubin GD, Smith D, Stillman AE, Thomas SA, Tsai TT, Wagner LK, Wann LS.

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103. Martinez JD, Laskey WK, Foghi, A, Ricciardi M, Candelaria L, Woods M, Mobarak C. Ceramide: A novel biomarker for the detection of apoptosis during ischemia-reperfusion in man. *Cathet Cardiovasc Int.* 75(6): S54, 2010
104. Siddiqi S, Laskey W, Wells C, Leuker R. Poster: Improvement in Arterial Stiffness in Patients Participating in a Cardiac Rehabilitation Program. Presented at the American Heart Association EPI/NPAM Annual Meeting March 2011

MAJOR INVITED PRESENTATIONS

Cardiology Grand Rounds, Albert Einstein College of Medicine of Yeshiva University, Bronx, N.Y., April 5, 1983: Topic: "Energy Supply Demand Relationships in Left Ventricular Hypertrophy"

Surgical Grand Rounds, Hospital of the University of Pennsylvania August 6, 1983. Topic: "Update on therapeutic angioplasty"

Symposium on Vascular Hemodynamic Impedance; 19th Annual Meeting of the Association for the Advancement of Medical Instrumentation: Washington, D.C., April 14, 1984, Topic: "Characteristics of Hydraulic load in heart failure"

International Symposium on Cardiac Energetics, Gargellen, Austria, June 21, 1984. Topic: "Nitroglycerin effects on mechanical-energetic coupling in human left ventricular hypertrophy"

Cardiology Grand Rounds, Minneapolis Heart Institute, Abbott Northwestern Hospital, Minneapolis Minn. February 15, 1985. Topic: "Aortic impedance in heart failure"
Seventh Annual Conference of the IEEE Engineering in Medicine & Biology Society, Chicago, IL, Sept. 28, 1985. Topic: "Components of vascular hydraulic load based on a Windkessel model"

American Academy of Dermatology, Las Vegas, NV, December 9, 1985. Topic: "Update in interventional cardiology for the practicing internist"

Cardiology Grand Rounds, Cooper Hospital, Camden, New Jersey, January 5, 1987. Topic: "Left ventricular mechanics and evaluation of valvular heart disease"

Medicine Grand Rounds, V.A. Hospital Medical Center, Philadelphia, PA. March 5, 1987.
Topic: "The acute MI"

Cardiology Conference, Children's Hospital of Philadelphia, March 20, 1987. Topic: "Coronary artery disease".

13th Canadian Medical and Biological Engineering Conference, Halifax, Nova Scotia, Canada, June 9, 1987. Topic: "Physiologic application of a windkessel model of vascular hydraulic load"

Medical Grand Rounds, Sacred Heart Hospital, Allentown, PA, Jan. 6, 1988. Topic: "Thrombolytic and catheter-related therapy for the acute myocardial infarction"

Medical Grand Rounds, Riddle Memorial Hospital, Media, PA, April 15, 1988. Topic: "Percutaneous balloon valvuloplasty"

Orientation Program for the University of Pennsylvania PennSTARR flight crew, Hospital of the University of Pennsylvania, Philadelphia, PA, May 2, 1988. Topic: "Invasive cardiology"

Medical Grand Rounds, Mercy Hospital, Scranton, PA, Oct. 7, 1988 Topic: "Newer strategies in the management of congestive heart failure"

Family Practice Grand Rounds, York Hospital, York, PA, Nov. 3, 1988. Topic: "Congestive heart failure"

Medical Grand Rounds, Taylor Hospital, Ridley Park, PA, Nov. 17, 1988. Topic: "Thrombolytic therapy of acute myocardial infarction"

Continuing Medical Education Program - Southern Chester County Hospital, March 15, 1989. Topic: "Management of acute ischemic syndromes"

Cardiology Grand Rounds, Northeastern Hospital, Philadelphia, PA, September 21, 1989. Topic: "Unstable angina"

Continuing Medical Education Program - Brandywine Hospital Department of Internal Medicine and Family Practice, November 3, 1989. Topic: "Update on interventional cardiology"

Continuing Medical Education Program Berks County Medical Society, Reading, PA, January 10, 1990. Topic: "Management of patients with unstable angina"

Cardiology Grand Rounds, Episcopal Hospital, Philadelphia, PA, February 17, 1990. Topic: "Acute ischemic syndromes"

Cardiology Grand Rounds, Graduate Hospital, Philadelphia, PA, April 30, 1990. Topic: "Coronary hemodynamics during PTCA"

Cardiology Grand Rounds, Temple University Hospital, Philadelphia, PA, October 12, 1990. Topic: Ischemic adaptation during PTCA

Medical Grand Rounds, Crozer-Chester Medical Center, October 30, 1990. Topic: "Management of unstable angina"

Twelfth Annual International Conference of the IEEE Engineering in Medicine & Biology Society, Philadelphia, PA, November 3, 1990. Topic: "Aortic impedance in human heart failure - importance of low frequency harmonics"

Medical Grand Rounds, Rolling Hill Hospital, Philadelphia, PA, April 4, 1991. Topic: "Acute ischemic syndromes"

Cardiology Rounds, Medical College of Pennsylvania, Philadelphia, PA, September 11, 1991. Topic: "Coronary hemodynamics during PTCA"

Medical Grand Rounds, V.A. Hospital, Philadelphia, PA, Sept. 5, 1991. Topic: "Ischemic preconditioning"

Medical Grand Rounds, Nazareth Hospital, Philadelphia, PA, September 11, 1991. Topic: "Management of congestive heart failure"

Cardiology Grand Rounds, Albert Einstein Medical Center, Philadelphia, PA, Feb. 19, 1992. Topic: "Intravascular ultrasound"

Contemporary Management of Unstable Angina, Breckenridge, CO, March 20-22, 1992. Topic: "Pharmacologic assists for angioplasty in unstable angina"

Cardiology Grand Rounds, Medical College of Pennsylvania, Philadelphia, PA. October, 1992. Topic: "Intravascular ultrasound in interventional cardiology"

Contemporary Management of Unstable Anginal Syndromes, Breckenridge, CO, Jan 22-24, 1993. Topics: 1) "Anticoagulant therapy" 2) "Antianginal therapy"

Contemporary Management of Unstable Coronary Syndromes, Breckenridge, CO, Jan. 27-29, 1994. Topics: 1) "Antianginal therapy" 2) "Adjunctive therapy during PTCA"

Chief of Medicine Conference, Princeton Medical Center, Princeton, New Jersey, May 11, 1994. Topic: "Adult Congenital Heart Disease"

Society for Cardiac Angiography & Interventions, 17th Annual Meeting, Seattle, WA, May 28, 1994. Core Curriculum: "The Adult with Congenital Heart Disease"

Society for Cardiac Angiography & Interventions, 19th Annual Meeting, Colorado Springs, CO, May 14, 1996. Topic: "Challenges for the Cardiac Cath Lab"

Internal Medicine Clinical Review, Suburban Hospital, Bethesda, MD, Nov. 22, 1996. Topic: "Congenital Heart Disease in Adults"

North American Society for Cardiac Imaging, 24th Annual Meeting, New Orleans, LA, Nov. 9, 1996. Topic: "The Role of Cardiac Imaging Societies in Promoting the Clinical Use of Cardiac MRI"

American College of Cardiology, 46th Annual Scientific Session, Anaheim, CA, Mar. 18, 1997. Topic: "The Shared Evaluation of the Complex Vascular Patient"

Latin American Society of Interventional Cardiology (SOLACI '97), 2nd Congress, Buenos Aires, Argentina, Aug. 1, 1997. Topic: "Predictive Index for Major Complications in PTCA and Data from the Registry of the Society for Cardiac Angiography and Interventions"

Society for Cardiac Angiography and Intervention, Cardiac Imaging Symposiums
October 15, 1998 - Los Angeles CA, October 29, 1998 – Boston, MA, November 5, 1998 – Miami, Florida. Topic: Considerations of Going Filmless in the Catheterization Laboratory

Cardiology Grand Rounds, Vanderbilt University School of Medicine, Nashville, TN, Nov 4, 1998. Topic: "Intravascular radiation for the treatment of coronary artery disease"

International Visipaque in PTCA; Paris, France, February 19, 1999.
Topic: "The COURT Trial Results"

American College of Cardiology, 48th Annual Scientific Sessions, New Orleans, LA, March 7, 1999. Topic: "Fireside Panel on Cine Film Replacement"

Society for Cardiac Angiographic Interventions, 23rd Annual Meeting, Monterey, CA, May 1999.
Topic: Credentialing Aspects of Intravascular Brachytherapy

ACC/SCA&I, Interventional Cardiology Board Review, San Francisco, CA, August 27-28, 1999.
Topics:

- 1) Coronary Anatomy/Physiology
- 2) Complex Multi-Vessel Angioplasty
- 3) Anticipation and Management of Complications

Post Graduate Course, Cardiovascular Disease: State of the Art, Charlottesville, VA, October 1, 1999. Topic: An Invasive Approach To Management of Acute Coronary Syndromes

3rd Tremblant Interventional Cardiology Course, Montreal Canada, February 3-6, 2000
Topic: Update on Coronary Brachytherapy

American College of Cardiology, 49th Annual Scientific Sessions, Anaheim, CA, March 2000
Topic: Meet the Experts: Cine Film Replacement (Co-Chair)

American College of Cardiology, 49th Annual Scientific Sessions, Anaheim, CA, March 2000
Topic: In-Stent Restenosis

American College of Cardiology, 49th Annual Scientific Sessions, Anaheim, CA, March 2000
Topic: Intracoronary Radiation: Part 2, BETA cath and START trials

Percutaneous Balloon Valvuloplasty: A Practical Course for Invasive Cardiologists, Chicago, IL, June 2-3, 2000
Topic: Aortic Stenosis Guidelines

American Heart Association Meeting, New Orleans, November 13, 2000.
Topic: Intracoronary Brachytherapy in Restenosis

Cardiovascular Radiation Therapy V and Restenosis Forum, Washington, DC, February 5-7, 2001

- Topics: 1) Vascular Brachytherapy: Only A Trained Cardiologist
2) Clinical Trials: START and START 40

Final Annual Port Douglas Heart Meeting, Port Douglas, Australia. May 18-20, 2001.

Topics: 1) High Risk PCI

2) Intervention in Adults with Valvular and Congenital Heart Disease.

ACC/SCA&I, Interventional Cardiology Board Review, Atlanta GA. August, 2001.

Topics:

1) Anticipating and Managing Complications of Coronary Intervention

2) Multi-vessel PCI: Strategies for Success

3) Radiographic Contrast Media: A Review of the Essentials

Cardiology Grand Rounds, University of Oklahoma, Oklahoma City. Sept 28, 2001. Topic:
Radiographic Contrast Media: the Old and the New.

American Heart Association Meeting, Anaheim CA. Nov 13 2001.

Topic: How to Start Brachytherapy in Your Lab

Cardiology Grand Rounds, Mt Sinai Medical Center, Miami Florida. March 28, 2002. Topic:
Radiographic Contrast Media: an update.

Brazilian Society for Interventional Cardiology, Rio de Janeiro; Sao Paulo. April 22,23, 2002.
Topic: New Developments in Radiographic Contrast Media.

Uruguay Interventional Cardiology, Montevideo, Uruguay, April 24, 2002. Topic: New
Developments in Radiographic Contrast Media

St Louis Regional Interventional Cardiology Conference, St Louis, Missouri. July 25, 2002.
Topic: Radiographic Contrast Media: the old and the new

ACC/SCA&I, Interventional Cardiology Board Review, Atlanta GA. August 17, 2002. Topic:
Anticipating and Managing Complications of Coronary Intervention.

Trans-Catheter Therapeutics (TCT) 2002, Washington, DC. September 26, 2002. Topic:

Vascular Brachytherapy in Diffuse Disease: Insights from START 40.

The Science of Contrast Media: European Summit on renal function and osmolality. Montreux,
Switzerland. February 20-22, 2003. Topic: Thromboembolic risk of radiographic contrast media.

American College of Cardiology 52nd Annual Scientific Session, Chicago, Illinois; March 2003.
Topic: Overview of randomized trials of Vascular brachytherapy

XIX Nordic Congress of Cardiology, Odense, Denmark; June 4, 2003. Topic: Thromboembolic
risk with contrast media: are all agents the same?

Trans-Catheter Therapeutics (TCT) 2003, Washington DC. September 16, 2003. Topic: SCAI
Imaging Symposium. Chairman.

Trans-Catheter Therapeutics (TCT) 2003, Washington DC September 18, 2003. FDA Town
Hall Meeting. Topic: Salvage of failed pivotal trials

American College of Cardiology 53rd Annual Scientific Session, New Orleans Louisiana; March
2004. Topic: Meet the Experts. Ischemic Preconditioning: Is it real?

American College of Cardiology 53rd Annual Scientific Session, New Orleans, Louisiana: March 2004. Topic: Core Curriculum- When not to test: Cardiac Catheterization

American College of Cardiology 53rd Annual Scientific Session, New Orleans, Louisiana. March, 2004. Topic: Quality Assurance (panel discussion)

2nd European Summit Meeting on Iso-osmolar contrast media. Lisbon, Portugal. March, 2004. Topic: The scope of MACE in interventional cardiology

23rd Annual Symposium. Advances in Cardiovascular Drugs and Devices: Protocol Design and Methodology- the US regulatory process. Rockville, MD. May 12 2004. Topics: Trials with CHF –assist devices. Trials with drug coated stents.

Trans-Catheter Therapeutics (TCT) '04, Washington DC. September 28, 2004. Topic: 2nd SCAI Imaging Symposium. Chairman and speaker (topic: Radiation Safety).

3rd European Summit Meeting. Chantilly, France. February 10-11, 2005. Topic: PCI- Understanding and managing in-hospital cardiac and renal complications. Chairman and speaker.

American College of Cardiology 54th Annual Scientific Session, Orlando, Florida. March 7 2005. Topic: Registries in Interventional Cardiology (symposium)

25th Annual New Mexico Chapter of the American College of Emergency Physicians Emergency Medical Symposium, Albuquerque, New Mexico. April 2, 2005. Topic: Management Strategies for Stable and Unstable Coronary Artery Disease.

Valves in the Heart of the Big Apple IV. New York, NY. April 28, 2005. Topic: Percutaneous aortic valve replacement: ready for prime time?

Melvin P Judkins Cardiovascular Imaging Symposium (Society for Cardiovascular Angiography and Interventions Annual Meeting). Ponte Vedre, Florida. May 4, 2005. Chairman and Speaker. Topic: Radiation Safety: considerations for the clinician.

76th Annual Meeting of the New Mexico Pharmaceutical Association, Albuquerque, New Mexico. June 25th 2005. Topic: Managing the broad spectrum of coronary heart disease

2005 Annual Meeting of the Arizona Chapter of the American College of Cardiology, Phoenix, Arizona. October 1, 2005. Topic: Current Controversies in Cardiovascular Imaging.

Update and Review of Internal Medicine 2005, Santa Fe, New Mexico. October 20, 2005. Topics: 1) Valvular Heart Disease 2) Acute Coronary Syndromes

New Mexico ACP Chapter Annual Meeting. Albuquerque, New Mexico. November 4, 2005. Topic: Conservative vs. Aggressive Management of Coronary Heart Disease.

14th Annual Scientific Congress. Hong Kong College of Cardiology. Hong Kong. May 5, 2006. Topic: Plenary Lecture- PCI: Understanding and Managing In-hospital Cardiac and Renal Complications.

Melvin P Judkins Cardiovascular Imaging Symposium (SCAI Annual Meeting). Chicago, Illinois. May 10, 2006. Chairman and Speaker. Topic: Radiation Safety. The Clinician's Perspective and What We Need to Know.

4th European Summit Meeting- "PCI and Cardiac CT". Rome, Italy. February 3,4 2006. Topic: PCI 2006 and the high risk patient: Changing times, changing outcomes

6th Annual Southwest Cardiology Symposium. Phoenix, AZ. February 17, 2007. Topic: Contrast-induced Nephropathy

Valves in the Heart of the Big Apple V, NYC, NY, April 12-14, 2007, Topic: Bridging anticoagulation for intercurrent procedures: is there a best approach?

Valves in the Heart of the Big Apple V, NYC, NY, April 12-14, 2007, Topic: Interpretation of Hemodynamic Data from catheterization.

International Academy of Cardiology 13th World Congress on Heart Disease Annual Scientific Sessions 2007, Vancouver, BC, Canada, July 28-31, 2007, Topic: Ischemic Pre-and Post-conditioning: Clinically Relevant or Not?

36th Annual Southwest Heart Symposium, Albuquerque, NM, August 24-25, 2007, Topic: Vascular Health and Patient Well-Being.

Recent Advances in Prevention and Management of Dyslipidemia and Heart Disease: a New Mexico Telehealth Series, October 18, 2007, Topic: Vascular Health and Patient Well-Being.

11th Annual Update and Review of Internal Medicine 2007, Santa Fe, NM, October 21-26, 2007, Topic: Valvular Heart Disease.

Cardiology Grand Rounds. Rhode Island Hospital/Brown University School of Medicine. May 2, 2008. Topic: The Clinical Spectrum of Ischemic Conditioning

12th Annual Update and Review of Internal Medicine 2008, Santa Fe, NM. October 23, 2008. Topic: Valvular Heart Disease

American Heart Association Annual Scientific Sessions. New Orleans, La. November, 2008. Topic: Risk of Radiation in CV Imaging: How Serious Is It?

Cardiology Update. Sierra Providence Health Network. El Paso, Tx. February, 19 2010. Topic: Non-ST elevation MI.