

CURRICULUM VITAE
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EDUCATION

Undergraduate:

1981-1987 Boston University
Six-year Medical Education Program
Cum laude
Boston, Massachusetts
B.A. and M.D.

Medical School:

1981-1987 Boston University
Six-year Medical Education Program
Boston, Massachusetts
B.A. and M.D.

Honorary Degree:

1999 Brown University
Masters of Arts, Ad Eundum

POSTGRADUATE TRAINING:

Residency:

1987-1988 Transitional Intern

Cambridge Hospital
Cambridge, Massachusetts

- 1988–1992 Resident
Diagnostic Imaging
Rhode Island Hospital
Providence, Rhode Island
- 1991–1992 Chief Resident
Department of Diagnostic Imaging
Rhode Island Hospital
Brown University School of Medicine

Fellowship:

- 1992–1993 Fellow
Vascular and Interventional Radiology
Department of Diagnostic Imaging
Rhode Island Hospital
Brown University School of Medicine

POSTGRADUATE HONORS AND AWARDS:

- 1981 National Merit Scholarship Finalist
- 1991 Certificate of Appreciation, Scientific Exhibit. “Acute and chronic arterial dissection: treatment by percutaneous angioplasty”. 91st Annual Meeting of the American Roentgen Ray Society, Boston, Massachusetts.
- 1991 Certificate of Merit, Scientific Exhibit. “In vivo and in vitro evaluation of the LGM Filter.” 91st Annual Meeting of the American Roentgen Ray Society, Boston, Massachusetts.
- 1995 Certificate of Merit, Scientific Exhibit. “Nonsurgical management of aortoiliac disease.” 95th Annual Meeting of the American Roentgen Ray Society, Washington, D.C.
- 1995 Editor's Recognition Award, with distinction, Radiology

POSTGRADUATE HONORS AND AWARDS (cont)

- 1996 Editor's Recognition Award, with distinction, Radiology
- 1996 Distinguished Reviewer, Journal of Vascular and Interventional Radiology

- 1997 Distinguished Reviewer, Journal of Vascular and Interventional Radiology
- 1998 Distinguished Reviewer, Journal of Vascular and Interventional Radiology
- 2000 Examiner, Certificate of Added Qualifications in Vascular & Interventional Radiology, American Board of Radiology
- 2000 Examiner, American Board of Radiology Qualifying Examination
- 2001 U.S. Patent No. 6,235,051 "Improved Stent-Graft System and Method of Delivery Thereof"
- 2002 Distinguished Committee Service Award, Committee on Coding and Nomenclature Commission on Economics, American College of Radiology, May 2002.
- 2002-2008 Councilor-at-large, Executive Council, Society of Interventional Radiology.
- 2004 Marquis Who's Who in Medicine and Healthcare, 5th edition, Marquis Who's Who, New Providence, N.J.
- 2011 Marquis Who's Who in America, 66th Edition, Marquis Who's Who, New Providence, N.J.
- 2003-2012 "America's Top Doctors", published by Castle Connolly, LTD, New York, New York.
- 2011 "Best Doctor's In America", Best Doctors, Inc. Boston, Massachusetts.
- 2004 "National Register's Who's Who in Executives and Professionals", National Register, West Islip, NY.
- 2007 "Cambridge Who's Who Among Executives and Professionals in Teaching and Education", "Honors Edition". Cambridge Whos Who, Uniondale, New York.
- 2008 "America's Top Radiologists", Consumers' Research Council of America, www.consumersresearchcncl.org, Washington, D.C.

- 2009 Society of Interventional Radiology recognition for service on the PAD Coalition, Science Committee Chair
- 2010 “The Leading Physicians of The World”, International Association of HealthCare Professionals, International Association of Radiologists www.iaradiology.com, New York, New York.

PROFESSIONAL LICENSES AND BOARD CERTIFICATION:

- 1988 Diplomate National Board of Medical Examiners
 1990 Rhode Island Medical License
 1992 Diplomate American Board of Radiology
 1995 Certificate of Added Qualification--Vascular and Interventional Radiology
 1998 Rhode Island Controlled Substances Registration, #XXXX
 1998 Federal DEA Registration, No. XXXXX6947
 2000 Massachusetts Medical License

ACADEMIC APPOINTMENTS:

- 1991-1993 Assistant Instructor in Radiation Medicine
Brown University School of Medicine
- 1993-1995 Clinical Assistant Professor
Brown University School of Medicine
- 1995-1998 Assistant Professor
Department of Diagnostic Imaging
Brown University School of Medicine
- May 1998 Associate Professor, Research Track
Department of Diagnostic Imaging
Brown University School of Medicine
- June 2005 Full Professor, Research Track
Department of Diagnostic Imaging
Brown Medical School

HOSPITAL APPOINTMENTS

- 1993-Present Staff Radiologist
Women & Infants' Hospital
Providence, Rhode Island

1993-Present Staff Radiologist
 Division of Vascular and Interventional Radiology
 Rhode Island Hospital
 Providence, Rhode Island

HOSPITAL APPOINTMENTS (cont)

1995-1996 Co-director
 Vascular and Interventional Radiology Fellowship Program
 Rhode Island Hospital
 Providence, Rhode Island

1995-1996 Co-director
 Division of Vascular and Interventional Radiology
 Rhode Island Hospital
 Providence, Rhode Island

1996-2001 Director
 Division of Vascular and Interventional Radiology
 Rhode Island Hospital
 Providence, Rhode Island

1996-2008 Director
 Vascular and Interventional Radiology Fellowship Program
 Rhode Island Hospital
 Providence, Rhode Island

1996-2004 Co-director
 Noninvasive Vascular Laboratory
 Department of Diagnostic Imaging
 Rhode Island Hospital
 Providence, Rhode Island

2005 Founder and Medical Director
 Rhode Island Hospital Vascular Disease Research Center
 (vdrc.lifespan.org)

OTHER APPOINTMENTS

Program Faculty Positions

- 1995 Program Co-chairman--Fifth Annual Southern New England Symposium on Peripheral Vascular Disease
- 1996 Program Co-chairman and Course Co-director--Sixth Annual Southern New England Symposium on Peripheral Vascular Disease. Newport, Rhode Island, August 16-18, 1997.
- 1997 Program Chairman, Course Co-director—Seventh Annual Symposium on Peripheral Vascular Disease. Newport, Rhode Island, August 15-17, 1997.

OTHER APPOINTMENTS (cont)

Program Faculty Positions

- 1997 Moderator, Scientific Session 16: Peripheral Vascular Disease: Grafting and Outcome Studies. Society of Cardiovascular and Interventional Radiology 22nd Annual Scientific Meeting, Washington, D.C. Tuesday, March 11, 1997.
- 1998 Program Chairman, Course Co-director—Eighth Annual Symposium on Peripheral Vascular Disease. Newport, Rhode Island, August 14-16, 1998.
- 1998 Coordinator, Aortoiliac Interventions Workshop, 23rd Annual Meeting of the Society of Cardiovascular and Interventional Radiology, San Francisco, CA, February 28-March 6, 1998.
- 1998-2000 Aortoiliac Interventions Workshop Coordinator, Society of Cardiovascular and Interventional Radiology Annual Meeting.
- 1999 Program Chairman, Course Co-director—Ninth Annual Symposium on Peripheral Vascular Disease. Newport, Rhode Island, August 13-15, 1999.
- 1999 Moderator, Scientific Session 01: Arterial Intervention. Society of Cardiovascular and Interventional Radiology 24th Annual Scientific Meeting, Orlando, FL. Sunday, March 21, 1999.
- 2000 Course Director, 10th Annual Brown University Symposium on Peripheral Vascular Disease: Diagnosis, Intervention and Surgery. Newport, Rhode Island, July 21-23, 2000.
- 2000 Moderator, Scientific Session 10: Iliac Interventions/Puncture Site Management. Society of Cardiovascular and

- Interventional Radiology 25th Annual Scientific Meeting, San Diego, CA. Monday, March 27, 2000.
- 2001 Moderator, Scientific Session 15: Renal/Visceral Vascular Disease: Evaluation, Recanalization Techniques. Society of Cardiovascular and Interventional Radiology 26th Annual Scientific Meeting, San Antonio, TX. Tuesday, March 6, 2001.
- 2008 Special Sessions: SS 302 - Renal artery intervention, CIRSE 2008 (Cardiovascular and Interventional Radiology Society of Europe Annual Meeting), Copenhagen, Denmark, September 13, 2008. Co-moderator Nicholas Chalmers, M.D., Manchester, U.K.
- 2008 Free Paper Session: FP 3006 "Renal artery intervention", CIRSE 2008 (Cardiovascular and Interventional Radiology Society of Europe Annual Meeting), Copenhagen, Denmark, September 17, 2008. Co-moderator, Jan Peregrin, M.D., Ph.D., Prague, Czech Republic.
- 2009 Moderator, How to Promote IR to Patients and Referring Physicians: PAD. Special Session: SS 2104, Cardiovascular and Interventional Radiology Society of Europe Annual Meeting, Lisbon, Portugal, Tuesday, September 22, 2009.
- 2010 Moderator, Research in Embolization. Global Embolization Symposium and Technologies (GEST). Saturday 8 May, 4 - 5:30 p.m., San Francisco, CA. Drs. Marc Sapoval, Jafar Golzarian, and Ziv Haskal, course directors.
- 2012 Moderator, "Lower Extremity Revascularization: What We Are, Where We're Going". Society of Interventional Radiology Annual Meeting, Wednesday, March 28th, 2012, San Francisco, CA.
- 2012 Moderator, Introduction of the Dotter Lecturer. Society of Interventional Radiology Annual Meeting, Monday, March 26th, 2012, San Francisco, CA.
- 2012 Moderator, Introduction of Gold Medal winners. Society of Interventional Radiology Annual Meeting, Tuesday, March 27th, 2012, San Francisco, CA.

OTHER APPOINTMENTS (cont)

NIH Study Appointments

- 2004 Steering Committee, CORAL Study (“Cardiovascular Outcomes with Renal Artery Lesions”). The CORAL Study is a \$40 million, multiyear, multicenter clinical trial to compare renal artery stent placement with medical therapy for a cohort with refractory hypertension.
- 2004 Chair, Publications Committee, CORAL Study (see above).
- 2004 Co-chair, Intervention Methods Committee, CORAL Study (see above).
- 2004 Protocol Committee, CORAL Study
- 2004 Site Selection Committee, CORAL Study
- 2004 Interventional Committee, CORAL Study
- 2004 Chair, Publications and Ancillary Studies Committee, CORAL Study
- 2005 Chair, Interventional Credentialing Committee, CORAL Study
- 2004 Steering Committee, CORAL Study
- 2004 Co-principal investigator, CORAL (Cardiovascular Outcomes with Renal Atherosclerotic Lesions), NIH Operations Committee, CORAL Study, National Heart, Lung, & Blood Institute, 1 R01 HL071556-01
- 2005 Principal Investigator, R01 HL077221, NIH/NHLBI CLEVER Study (Claudication: Exercise Vs. Endoluminal Revascularization)
- 2005 Chair, Publications Committee, R01 HL077221, NIH/NHLBI CLEVER Study (Claudication: Exercise Vs. Endoluminal Revascularization)
- 2005 Chair, Revascularization Committee, R01 HL077221, NIH/NHLBI CLEVER Study (Claudication: Exercise Vs. Endoluminal Revascularization)
- 2005 Operations Committee, R01 HL077221, NIH/NHLBI CLEVER Study (Claudication: Exercise Vs. Endoluminal Revascularization)

2005 Steering Committee, R01 HL077221, NIH/NHLBI CLEVER Study (Claudication: Exercise Vs. Endoluminal Revascularization)

NIH Committees

2004 SIR Representative to National Heart, Lung, & Blood Institute Peripheral Arterial Disease (PAD) Coalition to promote public health and awareness of peripheral arterial disease

2005 Chair, Scientific Committee, National Heart, Lung, & Blood Institute Peripheral Arterial Disease Coalition to promote public health and awareness of peripheral arterial disease

FDA Study Appointments

2006 Member, Data Safety and Monitoring Board (DSMB), EMPIRE (carotid artery stenting) Study (Sponsor: Guidant Corporation)

2008 Member, Data Safety and Monitoring Board (DSMB), ENDURANT Study (Sponsor: Medtronic Corporation)

2011 Member, Data Safety and Monitoring Board (DSMB), RESCUE Study (Sponsor: Medtronic Corporation)

NIH Study Section

Special Emphasis Panel/Scientific Review Group 2009/10 ZRG1 BST-M (58) R meeting, 07/20/2009-07/21/2009

Grant Reviewer

2009 Grant reviewer, ZonMw (the Netherlands organization for health research and development, Ministry of Health, Welfare and Sport (VWS) and the Netherlands Organization for Scientific Research (NWO))

2011 Heart Research UK, Translational Research Project Grants; “Low and high ankle brachial index in South Asians: cardiovascular risk factor associations”, TRP14/11, August, 2011.

Consulting

- 1999 *Current Concepts in Thrombolysis*, Consultants Conference. Sponsored by the Society of Cardiovascular and Interventional Radiology. August 9, 1999, New York, NY. Curtis Bakal, M.D., M.P.H., moderator.
- 2000 Consultant, Abbott Laboratories, North Chicago, IL
- 2000 Consultant, Guidant Corporation, Menlo Park, CA
- 2000 Consultant, Genentech Corporation, South San Francisco, CA
- 2001 Consultant, Bayer Pharmaceuticals
- 2009 AMAG Pharmaceuticals Advisory Board
- 2011 Consultant, Microvention/Terumo, Inc.

Mentoring

- 2001 Mentor to medical student Nikki Ariaratnam for her Brown University Medical Student Research Award project “Retrospective Review of 500 Aortoiliac Stent Procedures”, \$1,500.
- 2002 Supervisor for medical student Nikki Ariaratnam’s Student Scholar in Cardiovascular Disease Stroke, awarded by the American Heart Association, \$2,000, for her research project, “Retrospective Review of 500 Aortoiliac Stent Procedures”.

Society of Interventional Radiology Appointments

The Society of Interventional Radiology is the largest interventional radiology professional society in the world, with over 5,000 members

- 2011 President
- 2010 President-elect
- 2009 Secretary
- 2003-present Executive Committee
- 2010-2012 SIR Foundation Executive Council

Editoria/Reviewer Activities

- 1994-2001 Reviewer, Radiology
- 1995-present Reviewer, Journal of Vascular and Interventional Radiology

1998-2009	Editorial Board, <u>Journal of Vascular and Interventional Radiology</u>
2000	Reviewer, <u>Academic Radiology</u>
2002	Reviewer, <u>Journal of Vascular Surgery</u>
2003	Reviewer, <u>Cardiovascular and Interventional Radiology</u>
2004	Reviewer, <u>Circulation</u>
2005	Reviewer, <u>Health and Quality of Life Outcomes</u>
2006	Reviewer, “Comparative Effectiveness of Management Strategies for Renal Artery Stenosis”, Prepared for: Agency for Healthcare Research and Quality U.S. Department of Health and Human Services 540 Gaither Road Rockville, MD 20850 www.ahrq.gov Contract No. 290-02-0022 Prepared by: Tufts-New England Medical Center Evidence-based Practice Center, Boston, Massachusetts
2008	Reviewer, <u>Lancet</u>
2010	Reviewer, <u>JAMA</u>

OTHER APPOINTMENTS (cont)

Miscellaneous

1999	Site coordinator, Society of Cardiovascular & Interventional Radiology “Legs for Life” program
2004	FDA IDE for use of Embospheres (Biosphere, Rockland, MA) to embolize massively enlarged prostate glands
2006	American College of Cardiology, Data Writing Standards Committee, Renal and Mesenteric Data Standards Group
2006	American College of Cardiology, Data Writing Standards Committee, Lower Extremity Data Standards Group

HOSPITAL COMMITTEES

- 1997-present Procedure Review Committee
- 1997-present Bylaws Committee
- 1991–1994 Education Committee--Rhode Island Hospital
Department of Diagnostic Imaging
- 1996-1998
Education Committee--Rhode Island Hospital
Department of Diagnostic Imaging

MEMBERSHIP IN SOCIETIES

- 1985-present *Massachusetts Medical Society*
- 1986-present *American Medical Association*
- 1992 Credentials Committee, Resident
Physician Section Annual Meeting (A-92)
- 1987-present *Rhode Island Radiological Society*
- 1998-2004 Medicare Carrier Advisory Committee
member, Rhode Island Radiological Society
representative, Rhode Island Medicare
- 2000-2001 Treasurer
- 2001-2002 Secretary
- 2002-2003 Vice-President
- 2003-2004 President

MEMBERSHIP IN SOCIETIES (cont)

- 1988-present *New England Roentgen Ray Society*
- 1988-present *American College of Radiology*
- 1998-2002 Coding and Nomenclature Committee
- 2003 American College of Radiology Chapter
Leadership Meeting, Washington, D.C.
- 2004 American College of Radiology Chapter
Leadership Meeting, Washington, D.C.
- 2004-2005 Alternate Councilor, ACR House of
Delegates

	2005	Guidelines and Standards Committee of the Interventional and Cardiovascular Radiology Commission, American College of Radiology
	2005-2008	Councilor, ACR House of Delegates
	2005	Fellow, ACR
1990-present		<i>American Roentgen Ray Society</i>
1992-Present		American Heart Association
2004-Present		American Heart Association, Premium Professional Silver Heart Member (recognition for continued service)
	1992-present	Council on Cardiovascular Radiology
	2002	Council on Clinical Cardiology
	2000-2006	Cardiovascular Radiology Council, Committee on Peripheral Vascular Imaging and Intervention
	2003	Fundraising committee for the American Heart Association's Rhode Island Heart Ball
	2000-2003	Cardiovascular Radiology Council, Program Committee
	1999	Abstract Reviewer, American Heart Association Scientific Sessions
	1998-2001	Executive Committee, Council on Cardiovascular Radiology
	1999-2001	Chair, Membership Committee, Council on Cardiovascular Radiology
	1998-2001	Chair, Credentials Committee, Council on Cardiovascular Radiology
	1997-present	Membership Committee, Council on Cardiovascular Radiology
	1996-present	Fellow--Council on Cardiovascular Radiology (this is an elected position which has been achieved by 181 of 1,234 members (15%))
	2002-present	Council on Clinical Cardiology

MEMBERSHIP IN SOCIETIES (cont)

1992-present		<i>Society of Interventional Radiology</i> (formerly Society of Cardiovascular and Interventional Radiology)
	1992	Alternate Delegate to the American Medical Association-Resident Physician Section Annual Meeting (A-92)

1992-1993	Society of Cardiovascular and Interventional Radiology - delegate to the American Medical Association-Resident Physician Section
1995	Electronic Database Committee
1996	Fellow (this is an elected position which has been achieved by 190 members out of total membership of approximately 2,700 (7%))
1996-present	Fellowship Program Directors Group
1996-present	Long-range Planning Committee
1996-present	RUC Survey Committee, External Affairs Division
1996-2002	Economics/Physician Reimbursement Committee, External Affairs Division
1997-present	Government Affairs & Health Care Policy Committee, External Affairs Division
1997-present	Executive Council Advisory Committee
1997-1999	Chairman, Medicare Carrier Advisory Committee Working Group, Government Affairs Committee, External Affairs Division,
1998	Selection committee for Research Director for Cardiovascular and Interventional Radiology Research and Education Foundation (CIRREF)
1998	Grant reviewer for Cardiovascular and Interventional Radiology Research and Education Foundation (CIRREF)
1998	Abstract Reviewer for Scientific Sessions, 24 th Annual Meeting of the Society of Cardiovascular and Interventional Radiology
1998-present	Standards of Practice Committee
1998-present	Committee to Define Success and Complications, Standards Division

MEMBERSHIP IN SOCIETIES (cont)

Society of Interventional Radiology (cont)

1998-present	Education Material Committee, Education Division
1998-present	Scientific Sessions Committee
1999-present	Public Relations Committee
1999	Abstract Reviewer for Scientific Sessions, 25 th Annual Meeting of the SCVIR
2003	Chair, Clinical Practice Task Force
2003	SIR Executive Committee

	2004	Councilor-at-large, Executive Council
	2004-2005	Strategic Planning Committee
1992-1993		<i>American Association of Academic Chief Residents in Radiology (A³CR²)</i>
1993-present		<i>Association of University Radiologists</i>
1993-present		<i>Rhode Island Medical Society</i>
	1996-present	Public Laws Committee
1994-present		<i>New England Society of Interventional Radiology</i> (formerly New England Society of Cardiovascular and Interventional Radiology)
	2001-2002	President
	2003	Board of Directors
1998-present		<i>Association of Program Directors in Radiology</i>
1999-present		<i>Fellow--Society for Vascular Medicine and Biology</i>
2003-present		<i>American Association for the Advancement of Science</i>
2006-present		<i>The Society for Clinical Trials</i>

PUBLICATIONS (PEER-REVIEWED)

1. Murphy TP, Cronan JJ, Paoletta LP, Dorfman GS, Francis WW. Arterial rupture without balloon rupture during percutaneous transluminal angioplasty. *J Vasc Surg* 1987;6:528–530.
2. Murphy TP, Cronan JJ. Evolution of deep venous thrombosis: a prospective evaluation with US. *Radiology* 1990;177:543–548.
3. Murphy TP, Dorfman GS, Yedlicka JW, McCowan TC, Vogelzang RL, Hunter D, Carver DK, Pinski R, Castaneda-Zuniga W, Ferris EJ, Amplatz K. The LGM vena cava filter: objective evaluation of early results. *J Vasc Interv Radiol* 1991;2:107–115.
4. Murphy TP, Dorfman GS, Segall M, Carney WI. Iatrogenic arterial dissection: treatment with percutaneous transluminal angioplasty. *Cardiovasc Intervent Radiol* 1991;14:302–306.

5. Murphy TP, Dorfman GS, Esparza AR, Duwaji MS, Smith WJ. Arteriosclerosis obliterans in an animal model. *Invest Radiol* 1992;27:1059-1063.
6. Murphy TP, Dorfman GS, Becker J. Preprocedure test use by interventional radiologists. *Radiology* 1993;186:213-220.
7. Cronan JJ, Murphy TP. A comprehensive review of vascular ultrasound for the intensivist. *J Intensive Care Med* 1993;8:188-201.
8. Beecham RP, Dorfman GS, Cronan JJ, Spearman MP, Murphy TP, Scola FH. Is bilateral lower extremity compression sonography useful and cost-effective in the evaluation of patients with suspected pulmonary embolism? *AJR* 1993;161:1289-1292.
9. Murphy TP, Lambiase RE, Dorfman GS, Webb MS, Haas RA, Beecham RP. Effect of spontaneous splenorenal shunts on portal hemodynamics: limited regression of varices after TIPS. *J Vasc Interv Radiol* 1995;6(5):700-702.
10. Murphy TP. Subintimal revascularization of chronic iliac artery occlusions. *J Vasc Interv Radiol* 1996;7:47-51.
11. Murphy TP, Webb MS, Lambiase RE, Haas RA, Dorfman GS, Carney WI, Morin CJ. Percutaneous revascularization of complex iliac artery stenoses and occlusions using Wallstents: 3-year experience. *J Vasc Interv Radiol* 1996;7:21-27.
12. Ludwig DR, Murphy TP, Tung GA. General case of the day. *RadioGraphics* 1996;16:1231-1234. (Dr. Ludwig is a PGY-5 resident).
13. Ahmed A, Murphy TP. Spiral basket for percutaneous embolectomy of the infrageniculate popliteal artery. *J Vasc Interv Radiol* 1997;8:71-73. (Dr. Ahmed is a PGY-3 resident).
14. Sheeran SR, Hallisey MJ, Murphy TP, Faberman RS, Sherman S. Local thrombolytic therapy as part of a multidisciplinary approach to acute axillosubclavian vein thrombosis (Paget-Schroetter Syndrome). *J Vasc Interv Radiol* 1997;8:253-260.
15. Hoffman A, Murphy TP. Septic arteritis causing iliac artery rupture and aneurysmal transformation of the distal aorta after iliac artery stent placement. *J Vasc Interv Radiol* 1997;8:215-219. (Dr. Hoffman is a PGY-3 resident).
16. Murphy TP, Marks MJ, Webb MS. Use of a curved needle for true lumen re-entry during subintimal iliac artery revascularization. *J Vasc Interv Radiol* 1997;8:633-636.

17. Murphy TP, Beecham RP, Kim HM, Webb MS, Scola F. Long-term follow-up after TIPS: Use of Doppler velocity criteria for detecting elevation of the portosystemic gradient. *J Vasc Interv Radiol* 1998;9:275-281.
18. Murphy TP, Ahmed AI, Webb MS. Results of aortoiliac stent placement in patients treated for intermittent claudication. *J Vasc Interv Radiol* 1998;9:421-428.
19. Murphy TP, Webb MS. Percutaneous extravascular venous bypass for dialysis-related subclavian vein occlusion. *J Vasc Interv Radiol* 1998;9(6):935-939.
20. Gupta H, Murphy TP, Soares GM. Use of a puncture needle for recanalization of an occluded subclavian vein. *Cardiovasc Interv Radiol* 1998;21(6):508-511. (Dr. Gupta is a PGY-5 resident).
21. Murphy TP. Medical Outcomes Studies in peripheral vascular disease. *J Vasc Interv Radiol* 1998;9(6):1-11.
22. Hoffman AI, Lambiase RE, Haas RA, Rogg JM, Murphy TP. Acute vertebrobasilar occlusion: Treatment with high-dose intraarterial urokinase. *AJR* 1999;172:709-712.
23. Sheeran SR, Gestring ML, Murphy TP, Slaiby JM. Endovascular graft-related iliac artery infection. *J Vasc Interv Radiol* 1999;10:877-882.
24. Sheeran SR, Murphy TP, Khwaja A, Sussman SK, Hallisey MJ. Stent placement for treatment of mesenteric artery stenoses or occlusions. *J Vasc Interv Radiol* 1999;10:861-867.
25. Soares GS, Murphy TP. Transcaval TIPS: Indications and anatomic considerations. *J Vasc Interv Radiol* 1999;10:1233-1238.
26. Semba CP, Murphy TP, Bakal CW, Calis KA, Matalon TA. Thrombolytic therapy with use of alteplase (rt-PA) in peripheral arterial occlusive disease: review of the clinical literature. The Advisory Panel. *J Vasc Interv Radiol*. 2000 Feb;11(2 Pt 1):149-61.
27. Semba CP, Bakal CW, Calis KA, Grubbs GE, Hunter DW, Matalon TA, Murphy TP, Stump DC, Thomas S, Warner DL. Alteplase as an alternative to urokinase. Advisory Panel on Catheter-Directed Thrombolytic Therapy. *J Vasc Interv Radiol*. 2000 Mar;11(3):279-87.
28. Merport M, Murphy TP, Egglin TK, Dubel GJ. Fibrin sheath stripping vs. catheter exchange for the treatment of failed tunneled hemodialysis catheters: randomized clinical trial. *J Vasc Interv Radiol* 2000;11(9):1115-20.

29. Dubel GJ, Ferland RJ, Murphy TP, Frishman G. The emerging role of uterine artery embolization in the management of symptomatic uterine fibroids. *Med Health R I.* 2000 Oct;83(10):305-11.
30. Ahn SH, Cutry A, Murphy TP, Slaiby JM. Traumatic thoracic aortic rupture: treatment with endovascular graft in the acute setting. *J Trauma.* 2001;50(5):949-51.
31. Dubel GJ, Ferland RJ, Murphy TP, Frishman G. The emerging role of uterine artery embolization in the management of symptomatic uterine fibroids. *Med Health R I.* 2000;83(10):305-11.
32. Rundback JH, Sacks D, Kent KC, Cooper C, Jones D, Murphy T, Rosenfield K, White C, Bettmann M, Cortell S, Puschett J, Clair D, Cole P. Guidelines for the reporting of renal artery revascularization in clinical trials. American Heart Association. *Circulation* 2002;106(12):1572-85.
33. Rundback JH, Sacks D, Kent KC, Cooper C, Jones D, Murphy T, Rosenfield K, White C, Bettmann M, Cortell S, Puschett J, Clair D, Cole P. Guidelines for the Reporting of Renal Artery Revascularization in Clinical Trials. *J Vasc Interv Radiol* 2002;13:959-974.
34. Rundback JH, Murphy TP, Cooper C, Weintraub JL. Chronic renal ischemia: pathophysiologic mechanisms of cardiovascular and renal disease. *J Vasc Interv Radiol* 2002;13(11):1085-92.
35. Murphy TP, Rundback JH, Cooper C, Kiernan MS. Chronic renal ischemia: implications for cardiovascular disease risk. *J Vasc Interv Radiol* 2002;13(12):1187-98.
36. Rundback JH, Sacks D, Kent KC, Cooper C, Jones D, Murphy T, Rosenfield K, White C, Bettmann M, Cortell S, Puschett J, Clair DG, Cole P; Councils on Cardiovascular Radiology, High Blood Pressure Research, Kidney in Cardiovascular Disease, and Clinical Cardiology, American Heart Association; FDA Device Forum Committee, Society of Interventional Radiology. Guidelines for the reporting of renal artery revascularization in clinical trials. *J Vasc Interv Radiol.* 2003;14(9 Pt 2):S477-92.
37. Murphy TP. Clinical interventional radiology: serving the patient. *J Vasc Interv Radiol* 2003;14(4):401-3.
38. Leighton DB, Ahn SH, Murphy TP. SIR 2003 film panel case 2: tumor emboli to the common iliac arteries. *J Vasc Interv Radiol.* 2003 May;14(5):656-8.

39. Murphy TP, Ariaratnam NS, Carney WI, Marcaccio EJ, Slaiby JM, Soares GM. Long-term experience with stent treatment of aortoiliac insufficiency. *Radiology* 2004; 231(1): 243-249.
40. Murphy TP, Soares GM, Kim HM. Increase in utilization of percutaneous renal artery interventions by Medicare beneficiaries, 1996-2000. *AJR* 2004; 183(3): 561-568.
41. Murphy TP. Comparing the SMART stent with the Wallstent iliac endoprosthesis: reading between the lines. *J Vasc Interv Radiol*. 2004;15(9):907-9.
42. Beland MD, Soares GM, Dubel GJ, Forte MP, Murphy TP. Endovascular repair of a thoracic aorta mycotic pseudoaneurysm in a patient with history of bacteroides fragilis sepsis and leprosy. *J Vasc Interv Radiol* 2005;16(2 Pt 1):298-300.
43. Murphy TP. American College of Radiology Practice Guideline for Interventional Clinical Practice: a commitment to patient care. *J Vasc Interv Radiol* 2005;16(2 Pt 1):157-9.
44. Khan N, Murphy TP, Haas RA, Soares GM, Dubel GJ. Stroke prevention. *Rhode Island Medicine and Health* 2005;88(2):44-47.
45. Khan N, Murphy TP, Dubel GJ. Carotid artery stenting with distal protection device. *Medicine and Health Rhode Island* 2005;88(3):96.
46. Khan N, Murphy TP, Haas RA, Soares GM, Dubel GJ. Stroke prevention. *Med Health R I*. 2005 Feb;88(2):44-7.
47. Murphy TP, Soares GM, Kim HM, Ahn SH, Raas RA. Quality-of-Life and Exercise Performance After Aortoiliac Stent Placement for Claudication. *J Vasc Interv Radiol*. 2005 Jul;16(7):947-53.
48. Khan N, Murphy TP, Soares GM, Zahir IS. Clinical services provided by interventional radiologists to medicare beneficiaries in the United States, 2000-2003. *J Vasc Interv Radiol* 2005;16(12):1753-7.
49. Khan N, Soares GM, Murphy TP. Bowel entrapment in comminuted iliac wing fracture. *Medicine and Health, Rhode Island* 2005;88(5):163.
50. Khan N, Murphy TP, Cooper C. Renal stenting with distal protection device. *Medicine and Health Rhode Island*, submitted.
51. Murphy TP, Cooper CJ, Dworkin LD, Henrich WL, Rundback JH, Matsumoto AH, Jamerson KA, D'Agostino RB. The CORAL (Cardiovascular Outcomes

- with Renal Atherosclerotic Lesions) Study: Rationale and Methods. *J Vasc Interv Radiol*.
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19. Webb MS, Meacham M, Dubel GJ, Murphy TP. The 12-F Over-the-wire stainless steel Greenfield filter: Initial experience. *J Vasc Interv Radiol* 1997;8(1Part2):196.
20. Murphy TP, Kim HM, Webb MS. Medical Outcomes Study of patients who have undergone treatment for intermittent claudication. *J Vasc Interv Radiol* 1997;8(1Part2):213. (See presentations).
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24. Dubel GJ, Murphy TP, Hoffman AI, Bass J, Egglin T. Results of stent placement for renal artery stenosis with multivariate analysis of predictors for successful outcomes. *J Vasc Interv Radiol* 2001;12(1 Part 2):S46.

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26. Khan N, Ahn S, Soares GM, Dubel GJ, Murphy TP, Haas RA, Bass J. Endovenous laser ablation (EVLA) of lesser saphenous vein (LSV) and greater saphenous vein tributary (GSVT) reflux. *J Vasc Interv Radiol* 2005; S*(abstract).
27. Lance Dworkin, MD, Christopher Cooper, MD, Timothy Murphy, MD, Ken Jamerson, MD, Don Cutlip, MD, Katherine Tuttle, MD, Stephen Textor, MD, Alan Hirsch, MD, Deepak Khattry, PhD and William Henrich, MD. Baseline Demographics, Kidney Function, Cardiovascular Risk Factors, and Risk Reduction in the CORAL Trial. American Society of Nephrology, November 2007 (abstract).
28. Zhang HL, Matsumoto A, Cutlip D, Murphy TP, Cooper C, Dworkin L, Prince MR. Comparison of renal MRA and Angiography Data in the Cardiovascular Outcomes of Renal Atherosclerotic Lesions (CORAL) study. International MR Angiography Club meeting in Istanbul, October 3-5, 2007 (abstract).
29. Alan H. Matsumoto, MD, Christopher J. Cooper, MD, Timothy P. Murphy, MD, Donald Cutlip, MD, Mark R. Conaway, Ph.D., Lance Dworkin, MD and the CORAL Study Group. Severity of renal artery lesions in patients enrolled into the CORAL Trial. Cardiovascular and Interventional Radiology Society of Europe, Fall 2008 (abstract).
30. Zhang HL, Matsumoto AH, Cutlip D, Murphy TP, Dworkin L, Prince MR. Comparison of Renal MRA and DSA in the Cardiovascular Outcomes Lesions (CORAL) Study. *Radiology* 2008 (RSNA program).
31. Dhangana R, Murphy TP, Pencina MJ, Ristuccia MB, Cerezo JV, Tsai D. Prevalence of Low Ankle-Brachial Index, Elevated Plasma Fibrinogen and CRP Among Those Otherwise at Low-Intermediate Cardiovascular Events' Risk: Data from the National Health and Nutrition Examination Survey (NHANES) 1999–2004. *Journal of Vascular and Interventional Radiology* 2009;20(2):S57 [Abstract 146].
32. Dhangana R, Murphy TP, Ahn SH, Coll JR, Hiatt WR, Ristuccia MB, Cerezo JV. Prevalence of abnormal Ankle-Brachial Index among subjects with low-intermediate Framingham Risk Score. *JVIR* [submitted]
33. Dhangana R, Murphy TP, Zafar AM, Qadeer FF, Cerezo JV, Ristuccia MB. Optimal Use of Framingham Risk Scores to Identify Individuals for Intensive Medical Risk Factor Modification. *Circulation* 2009; 120: S423-a [Abstract 1004]

34. Dhangana R, Murphy TP, Pencina MJ, Durham TD. Ankle-Brachial Index and Fibrinogen improve cardiovascular risk prediction and classification. *Circulation* 2008; 118 (18):S_1156 [Abstract 6201]
35. Dhangana R, Murphy TP, Jaimes MA, Dubel GJ, Ahn SH, Soares GM. Increased Utilization of Peripheral Artery Stenting Among Medicare Beneficiaries—1999-2006. *Vasc Med* 2008 13 (2): 179-197 [Abstract 43].
36. Murphy TP, Dhangana R, Pencina MJ, D'Agostino RB Sr. Ankle-Brachial Index and Cardiovascular Risk Prediction: An Analysis of 11,594 Individuals with 10-Year Follow-Up. Presented During: Concurrent Session A - Paper Presentations. The International Symposium on Endovascular Therapy (ISET 2010), Wednesday, January 20, 2010. Hollywood, FL. Barry Katzen, M.D., course director.

SCIENTIFIC EXHIBITS

1. Murphy TP, Dorfman GS, Yedlicka JW, McCowan TC, Vogelzang RL, Hunter D, Carver DK, Pinsk R, Castaneda-Zuniga W, Ferris EJ, Amplatz K. In vivo and in vitro evaluation of the LGM filter. 76th Scientific Assembly of the Radiological Society of North America. Chicago, Illinois 1990, and the 91st Annual Meeting of the American Roentgen Ray Society, Boston, Massachusetts, 1991 (certificate of merit).
2. Murphy TP, Dorfman GS, Segall M, Carney WI. Acute and chronic arterial dissections: treatment with percutaneous angioplasty. 76th Scientific Assembly of the Radiological Society of North America, Chicago, Illinois 1990; and the 91st Annual Meeting of the American Roentgen Ray Society, Boston, Massachusetts 1991 (certificate of appreciation).
3. Murphy TP, Cronan JJ. Development of chronic venous changes after deep venous thrombosis: US correlation. 75th Scientific Assembly of the Radiological Society of North America, Chicago, Illinois 1989; and the 38th Annual Meeting of the Association of University Radiologists, Minneapolis, Minnesota 1990.
4. Soares GM, Murphy TP, Dorfman GS, Beecham RP, Carney WI, Haas RA. Nonsurgical management of aortoiliac disease. 80th Scientific Assembly of the Radiological Society of North America. Chicago, Illinois 1994, and the 95th Annual Meeting of the American Roentgen Ray Society, Washington, D.C., 1995 (certificate of merit).

ORIGINAL SCIENTIFIC PRESENTATIONS (PRESENTED BY DR. MURPHY)

1. Evolution of deep vein thrombosis: chronic venous changes can be distinguished from acute clot with US. 75th Scientific Assembly of the Radiological Society of North America. Chicago, Illinois 1989.
2. In vivo and in vitro evaluation of the LGM filter. 76th Scientific Assembly of the Radiological Society of North America. Chicago, Illinois 1990.
3. Arteriosclerosis obliterans in an animal model. 40th Annual Meeting of the Association of University Radiologists. Chicago, Illinois 1992.
4. Revascularization of complex iliac artery lesions using Wallstents. 66th Scientific Sessions of the American Heart Association. Atlanta, Georgia, November 1993.
5. Percutaneous revascularization of chronically occluded iliac arteries using thrombolysis and Wallstents. 19th Annual Meeting of the Society of Cardiovascular and Interventional Radiology Annual Meeting. San Diego, CA, March 1994.
6. Endovascular revascularization of diffusely diseased and chronically occluded iliac arteries with Wallstents. Society of Cardiovascular and Interventional Radiology 20th Annual Meeting. Ft. Lauderdale, FL. March 28, 1995.
7. Thrombolysis prior to stent placement for chronic iliac artery occlusions. 68th Scientific Sessions of the American Heart Association, Anaheim, California, November 13, 1995.
8. Thrombolysis prior to stent placement for chronic iliac artery occlusions. 81st Scientific Assembly of the Radiological Society of North America. Chicago, Illinois, November 28, 1995.
9. Medical Outcomes Study of patients who have undergone treatment for intermittent claudication, Scientific Session 343. Society of Cardiovascular and Interventional Radiology 22nd Annual Scientific Meeting, Washington, D.C. Tuesday, March 11, 1997.
10. Utilization of renal artery interventions by Medicare beneficiaries in 1998. Scientific Session 15, Renal/Visceral Vascular Disease: Evaluation, Recanalization Techniques. Society of Cardiovascular and Interventional Radiology 26th Annual Scientific Meeting, San Antonio, TX. Tuesday, March 6, 2001.
11. Severity of renal artery lesions in patients enrolled into the CORAL Trial. Cardiovascular and Interventional Radiology Society of Europe, Fall 2008 (abstract) [Alan Matsumoto, M.D., lead abstract author]

INVITED PRESENTATIONS*National and International*

1. Noninvasive vascular evaluation. Workshop. 19th Annual Meeting of the Society of Cardiovascular and Interventional Radiology Annual Meeting. San Diego, CA, March 1994.
2. Percutaneous Aortoiliac Reconstruction. Vascular Diagnosis and Treatment: Third Annual Symposium. Dallas, TX, November 5, 1994. Drs. Chet Rees and Frank Rivera, Course directors.
3. Thromboembolic disease and IVC filters. Vascular Diagnosis and Treatment: Third Annual Symposium. Dallas, TX, November 5, 1994. Drs. Chet Rees and Frank Rivera, Course directors.
4. Lysis, PTA, and stenting complex aortoiliac occlusive disease. The 1994 Symposium on Current Issues & New Techniques in Interventional Radiology. New York, New York, November 17, 1994. Drs. Jacob Cynamon and Thomas Sos, Course directors.
5. Endovascular Reconstruction of Iliac Artery Occlusions. The 7th Annual Symposium on Vascular Disease and Intervention. Miami Beach, FL, January 21-23, 1995. Dr. Barry Katzen, Course director.
6. Advanced TIPS workshop. Society of Cardiovascular and Interventional Radiology Annual Meeting. Ft. Lauderdale, FL, March 1995.

INVITED PRESENTATIONS (cont)*National and International*

7. Percutaneous management of central venous obstruction within the thorax. Third Annual Symposium on current Issues and New Techniques in Interventional Radiology, New York, New York, November 15, 1995. Dr. Jacob Cynamon, Course director.
8. Vena cava filters: Redefining the indications in selected patient populations. Third Annual Symposium on current Issues and New Techniques in Interventional Radiology, New York, New York, November 15, 1995. Dr. Jacob Cynamon, Course director.
9. Role of lytic agents in the treatment of complex aortoiliac occlusive disease. 22nd Annual Symposium on Current Critical Problems, New Horizons and Techniques in Vascular and Endovascular Surgery, New York, New York, November 16, 1995. Dr. Frank Veith, Course director.

10. Advanced Vascular Intervention Workshop. Society of Cardiovascular and Interventional Radiology 21st Annual Meeting, Seattle, Washington, March 4, 1996.
11. Percutaneous management of aortoiliac insufficiency. Central New York Angiography Society, Syracuse, New York. May 9, 1996.
12. Hemodialysis access grafts. Interventional management of peripheral vascular disease. Houston, Texas, May 10, 1996. Albert E. Raizner, MD, Course director.
13. Noninvasive vascular testing. Symposium at Seaside, Seaside, Florida, October 2, 1996. Sponsored by Jackson Memorial Hospital, Quinton Dickerson, M.D., Course director.
14. Percutaneous management of aortoiliac insufficiency. Symposium at Seaside. Seaside, Florida, October 2, 1996. Sponsored by Jackson Memorial Hospital, Quinton Dickerson, M.D., Course director.
15. Update on TIPS. Mid-American Interventional Radiological Society, Kansas City, Missouri, October 12, 1996. Edward Siegel, M.D., President.
16. Percutaneous management of aortoiliac insufficiency. Mid-American Interventional Radiological Society, Kansas City, Missouri, October 12, 1996. Edward Siegel, M.D., course coordinator.

INVITED PRESENTATIONS (cont)

National and International

17. Internet Resources Workshop, W334i, Society of Cardiovascular and Interventional Radiology 22nd Annual Scientific Meeting, Washington, D.C., Sunday, March 9, 1997.
18. Advanced Vascular Intervention Workshop, W722, Society of Cardiovascular and Interventional Radiology 22nd Annual Scientific Meeting, Washington, D.C. Wednesday, March 12, 1997.
19. Percutaneous Therapy of PVD. Second Annual Vascular Intervention Conference. Sponsored by Lancaster General Hospital, Leigh S. Shuman, MD, Course Director. Saturday, October 11, 1997.
20. Noninvasive Evaluation of Peripheral Vascular Disease. Second Annual Vascular Intervention Conference. Sponsored by Lancaster General Hospital, Leigh S. Shuman, MD, Course Director. Lancaster, PA, Saturday, October 11, 1997.

21. Hemodialysis Access Maintenance. Grand Rounds, Broward General Hospital, Fort Lauderdale, Florida. Glenn Singer, M.D., Director of Medical Education, John Guben, M.D., host. Thursday, November 6, 1997.
22. Coding and Billing Workshop. Workshop, 23rd Annual Meeting of the Society of Cardiovascular and Interventional Radiology, San Francisco, CA, March 3rd, 1998. David Sacks, MD, coordinator.
23. Coding and Billing Workshop. Workshop, 23rd Annual Meeting of the Society of Cardiovascular and Interventional Radiology, San Francisco, CA, March 4th, 1998. David Sacks, MD, coordinator.
24. Aortoiliac Interventions Workshop (coordinator). Workshop, 23rd Annual Meeting of the Society of Cardiovascular and Interventional Radiology, San Francisco, CA, March 1st, 1998.
25. Aortoiliac Interventions Workshop (coordinator). Workshop, 23rd Annual Meeting of the Society of Cardiovascular and Interventional Radiology, San Francisco, CA, March 2nd, 1998.
26. Complications of Arterial Stent Placement. Plenary Session, 23rd Annual Meeting of the Society of Cardiovascular and Interventional Radiology, San Francisco, CA, March 2, 1998. Robert L. Vogelzang, MD, moderator.

INVITED PRESENTATIONS (cont)

National and International

27. PVD: Update on Endovascular Management. Surgical Grand Rounds, Peninsula Regional Medical Center, Salisbury, Maryland, May 19, 1998. Dr. Michael Marks, host.
28. Aortoiliac Insufficiency: PTA, Stents, and Stent-grafts. Second Annual Louisville Symposium on Vascular and Endovascular Therapy, Louisville, Kentucky, Saturday, September 19, 1998. Dr. Seyhan Senler, course director.
29. Aortoiliac Insufficiency: PTA, Stents, and Stent-grafts. Intervention Head to Toe, St. Dominic/Jackson Memorial Hospital, Sandestin, Florida, Saturday, October 24, 1998. Dr. Scott McPherson, program coordinator.
30. Vascular Stents: Current Concepts and Controversies. Special Focus Session (Plenary Session), 84th Annual Meeting of the Radiological Society of North America, Chicago, IL, December 1, 1998. Curtis W. Bakal, MD, moderator.
31. Coding and Billing Workshop. 24th Annual Meeting of the Society of Cardiovascular and Interventional Radiology, Orlando, FL, March 21st, 1999. Dr. David Sacks, coordinator.

32. Coding and Billing Workshop. 24th Annual Meeting of the Society of Cardiovascular and Interventional Radiology, Orlando, FL, March 24th, 1999. Dr. David Sacks, coordinator.
33. Intermittent Claudication: Iliac Intervention. Plenary Session, 24th Annual Meeting of the Society of Cardiovascular and Interventional Radiology, Orlando, FL, March 22, 1999. Dirk Vorwerk, MD, moderator.
34. Aortoiliac Interventions Workshop (coordinator). 24th Annual Meeting of the Society of Cardiovascular and Interventional Radiology, Orlando, FL, March 22nd, 1999.
35. Aortoiliac Interventions Workshop (coordinator). 24th Annual Meeting of the Society of Cardiovascular and Interventional Radiology, Orlando, FL, March 25th, 1999.
36. Iliac Stenting. Radiology Grand Rounds, Wilford Hall/Lackland Air Force Base, Brook Army Medical Center, San Antonio, TX. May 10, 1999.

INVITED PRESENTATIONS (cont)

National and International

37. Iliac Stenting: Stents and Technical Complications. Instructional Course, 99th Annual Meeting of the American Roentgen Ray Society, New Orleans, LA. May 11, 1999. Course director; Al Nemcek, faculty.
38. The Wallstent for Peripheral Vascular Disease: Applications and Technique. The Westin Osaka Hotel, Osaka, Japan; November 5, 1999, Dr. H. Uchida (Nara Medical University), moderator.
39. The Wallstent for Peripheral Vascular Disease: Applications and Technique. Hilton Tokyo, Tokyo, Japan; November 6th, 1999. Dr. Y. Nakajima (St. Marianna Medical University), moderator.
40. Aortic Stent-Grafts Workshop. 7th Annual Symposium on “Current Issues and New Techniques in Interventional Radiology”, New York, November 19th, 1999. Jacob Cynamon, M.D., and Curtis W. Bakal, M.D., M.P.H., symposium chairmen.
41. Aortoiliac Intervention: Broadening the Indications for Intermittent Claudication. 7th Annual Symposium on “Current Issues and New Techniques in Interventional Radiology”, New York, November 19th, 1999. Jacob Cynamon, M.D., and Curtis W. Bakal, M.D., M.P.H., symposium chairmen.

42. Coding & Billing WorkshopAortoiliac Interventions Workshop (coordinator). 25th Annual Meeting of the Society of Cardiovascular and Interventional Radiology, San Diego, CA, March 25th, 2000.
43. Aortoiliac Interventions Workshop (coordinator). 25th Annual Meeting of the Society of Cardiovascular and Interventional Radiology, San Diego, CA, March 30th, 2000.
44. Contemporary Strategies in Thrombolytic Therapy. Alpha Medica Teleconference, sponsored by Genentech. August 3, 10, 24, and September 6, 2000.
45. Billing and Coding Issues: Ask the Expert. Southeast Angiographic Society Annual Meeting, White Sulphur Springs, West Virginia. October 18-20, 2000; Drs. Alan Matsumoto and Denny Bartol, course directors.

INVITED PRESENTATIONS (cont)

National and International

46. Thrombolysis: An Update on Current Agents. Southeast Angiographic Society Annual Meeting, White Sulphur Springs, West Virginia. October 18-20, 2000; Drs. Alan Matsumoto and Denny Bartol, course directors.
47. Iliac Artery Occlusions: Endovascular Therapy. Southeast Angiographic Society Annual Meeting, White Sulphur Springs, West Virginia. October 18-20, 2000; Drs. Alan Matsumoto and Denny Bartol, course directors.
48. Recanalization Devices and Techniques. 26th Annual Meeting of the Society of Cardiovascular and Interventional Radiology, San Antonio, TX. Sunday, March 4, 2001. Curtis Bakal, M.D,MPH, moderator.
49. Aortoiliac Interventions: Instructional Course. American Roentgen Ray Society Annual Meeting, Seattle, WA, May 3, 2001. Drs. Timothy Murphy and Mahmood Razavi, course directors.
50. Aortoiliac Interventions: Quality of Life Issues. 14th Annual International Symposium on Endovascular Therapy (ISET). Miami Beach, FL, Tuesday, January 23, 2002. Barry T. Katzen, M.D., course director.
51. Renal Artery Intervention Workshop. 14th Annual International Symposium on Endovascular Therapy (ISET). Miami Beach, FL, Tuesday, January 23, 2002. Barry T. Katzen, M.D., course director.

52. Case Discussion Panel. Renal and lower extremity revascularization. 14th Annual International Symposium on Endovascular Therapy (ISET). Miami Beach, FL, Tuesday, January 23, 2002. Barry T. Katzen, M.D., course director.
53. Sharp Dissection Techniques for Chronic Iliac Artery Occlusions. 14th Annual International Symposium on Endovascular Therapy (ISET). Miami Beach, FL, Tuesday, January 23, 2002. Barry T. Katzen, M.D., course director.
54. Case Discussion Panel. Aortoiliac revascularization. 14th Annual International Symposium on Endovascular Therapy (ISET). Miami Beach, FL, Tuesday, January 23, 2002. Barry T. Katzen, M.D., course director.
55. Renal Artery Intervention: Analysis of Medicare Data. 14th Annual International Symposium on Endovascular Therapy (ISET). Miami Beach, FL, Wednesday, January 24, 2002. Barry T. Katzen, M.D., course director.

INVITED PRESENTATIONS (cont)

National and International

56. Invited Commentary, on Featured Abstract, “Declining Dose Study Using Reteplase To Treat Lower Extremity Arterial Occlusions”, Abstract Number 32, presenter Flavio Castaneda, MD. Scientific Session #: SS04 – Thrombolysis. 27th Annual Meeting of the Society of Cardiovascular & Interventional Radiology, Baltimore, Maryland, April 7, 2002.
57. Renovascular Interventions Workshop. 27th Annual Meeting of the Society of Cardiovascular & Interventional Radiology, Baltimore, Maryland, April 7, 2002.
58. Aortoiliac Interventions Workshop. 27th Annual Meeting of the Society of Cardiovascular & Interventional Radiology, Baltimore, Maryland, April 9, 2002.
59. Arterial Thrombolysis Workshop. 27th Annual Meeting of the Society of Cardiovascular & Interventional Radiology, Baltimore, Maryland, April 9, 2002.
60. Is Stenting the Most Definitive Treatment for Iliac Artery Obstruction? Current and Emerging Endovascular Therapies. Washington, D.C. May 31, 2002. Drs. Klemens Barth, John Laird, Renu Virmani, Dieter Lierman, and Satoshi Sawada, course directors.
61. Utilization and Current Indications for PTRAs and Renal Artery Stenting. Current and Emerging Endovascular Therapies. Washington, D.C. May 31, 2002. Drs. Klemens Barth, John Laird, Renu Virmani, Dieter Lierman, and Satoshi Sawada, course directors.

62. Aortoiliac Interventions. July 3, 2002. Boston Scientific Japan headquarters, Shinjuku Prefecture, Tokyo, Japan. Professor Yasuo Makajima, M.D., St. Marianna Medical University Radiology, Moderator.
63. Endovascular Grafts. July 3, 2002. Boston Scientific Japan headquarters, Shinjuku Prefecture, Tokyo, Japan. Professor Yasuo Makajima, M.D., St. Marianna Medical University Radiology, Moderator.
64. Aortoiliac Interventions. July 4, 2002. Hokkaido University, Department of Surgery. Professor Yasuda, M.D., Chief, Cardiovascular Surgery, Moderator.
65. Endovascular Grafts. July 4, 2002. Hokkaido University, Department of Surgery. Professor Yasuda, M.D., Chief, Cardiovascular Surgery, Moderator.
66. Aortoiliac Interventions. 8th Annual Japanese Endovascular Interventional Society Meeting, July 5th, 2002, Nara, Japan. Prof. Shukichi Sakaguchi, MD, Surgery, Mamamatsu Medical University, moderator.

INVITED PRESENTATIONS (cont)

National and International

67. Antiplatelet Agents in PVD. 10th Annual Meeting of the Interventional Radiology Society of Australasia. Cairns, Queensland, Australia. July 9th, 2002. Professor Kenneth Thomson, M.D., course director.
68. Aortoiliac Stenting for Quality of Life. 10th Annual Meeting of the Interventional Radiology Society of Australasia. Cairns, Queensland, Australia. July 9th, 2002. Professor Kenneth Thomson, M.D., course director.
69. Utilization and Current Indications for PTRAs and Renal Stenting. 10th Annual Meeting of the Interventional Radiology Society of Australasia. Cairns, Queensland, Australia. July 10th, 2002. Professor Kenneth Thomson, M.D., course director.
70. Sharp Instruments for Endoluminal Recanalization. 10th Annual Meeting of the Interventional Radiology Society of Australasia. Cairns, Queensland, Australia. July 11th, 2002. Professor Kenneth Thomson, M.D., course director.
71. Express LD Biliary Stent. Boston Scientific Annual Sales Meeting, Minneapolis, MN, July 17, 2002.
72. Aortoiliac Interventions. Boston Scientific Annual Sales Meeting, Minneapolis, MN, July 17, 2002.

73. Aortoiliac Interventions Workshop. 28th Annual Meeting of the Society of Interventional Radiology. March 28, 2003, Salt Lake City, Utah. Mahmood Razazvi, M.D., course director.
74. Commentary, on “Direct Intrahepatic Portosystemic Shunts”, featured abstract, presenter Brian Peterson, M.D.. March 29, 2003, 28th Annual Meeting of the Society of Interventional Radiology, Salt Lake City, Utah. Moderators Ernest Ring, M.D., Richard Baum, M.D.
75. Categorical course director, “Thrombolysis/Thrombectomy Devices”, March 29, 2003, 28th Annual Meeting of the Society of Interventional Radiology, Salt Lake City, Utah.
76. New Horizons in Thrombolysis. In categorical course, “Thrombolysis/Thrombectomy Devices”, March 29, 2003, 28th Annual Meeting of the Society of Interventional Radiology, Salt Lake City, Utah. Timothy P. Murphy, M.D., course director.
77. Thrombolysis Workshop. 28th Annual Meeting of the Society of Interventional Radiology. March 31, 2003, Salt Lake City, Utah. John Aruny, M.D., course director.

INVITED PRESENTATIONS (cont)

National and International

78. Renal Ischemia as a Predictor of Cardiovascular Morbidity. Plenary session. April 1, 2003, 28th Annual Meeting of the Society of Interventional Radiology, Salt Lake City, Utah. Alan Matsumoto, M.D., moderator.
79. SIR Clinical Practice Initiatives. SIR Corporate Advisory Meeting, Chicago, IL, September 9, 2003.
80. Endovascular Management of Aortoiliac Insufficiency. Seaside Endovascular Meeting, Destin, FL, October 10-11, 2003. William Routh, Course Director.
81. Practice Building in a Competitive Environment. Seaside Endovascular Meeting, Destin, FL, October 10-11, 2003. William Routh, Course Director.
82. Practice Development in a Competitive Environment. Gore Interventional Radiology Fellows Symposium. January 24th, 2004; Miami Beach, FL.
83. Reducing the Risks of Contrast-Induced Nephropathy: Current Strategies. The 2004 Charles J. Tegtmeier, MD Memorial Postgraduate Course—Management of Hypertension, Renal Insufficiency, and Atherosclerotic Renovascular Disease, March 5-6, Charlottesville, VA. Dr. Alan H. Matsumoto, Program Director.

84. Renal Artery Stenosis and Chronic Renal Insufficiency as Independent Predictors of Cardiovascular Morbidity. The 2004 Charles J. Tegtmeier, MD Memorial Postgraduate Course—Management of Hypertension, Renal Insufficiency, and Atherosclerotic Renovascular Disease, March 5-6, Charlottesville, VA. Dr. Alan H. Matsumoto, Program Director.
85. Aortoiliac Interventions Workshop. 29th Annual Meeting of the Society of Interventional Radiology. March 27, 2004, Pheonix, AZ. Mahmood Razazvi, M.D., course director.
86. Aortoiliac Interventions Workshop. 29th Annual Meeting of the Society of Interventional Radiology. March 29, 2004, Pheonix, AZ. Mahmood Razazvi, M.D., course director.
87. Renal Artery Stenosis and Cardiovascular Disease Risk. Internal medicine grand rounds, Fairfax Inova Hospital, April 27, 2004. Chief Medical Resident Tamar Taddei.
88. Radiological Society of North America Annual Meeting 2004: Moderator SSD20: Vascular Interventional (Vascular Stents and Stent-Grafts) . Chicago, IL, November 30, 2004.
89. Radiological Society of North America Annual Meeting 2004: Moderator SSG03: Vascular Interventional (Vascular MR Imaging). Chicago, IL, November 30, 2004.
90. Defining the Problem. Day 1, NIH/NHLBI CORAL (Cardiovascular Outcomes with Renal Atherosclerotic Lesions) Study Pre-Enrollment Investigator's Meeting, January 14-15, Miami, FL.
91. CORAL Eligibility Criteria. Day 2, NIH/NHLBI CORAL (Cardiovascular Outcomes with Renal Atherosclerotic Lesions) Study Pre-Enrollment Investigator's Meeting, January 14-15, Miami, FL.
92. CORAL Publications/Ancillary Studies. Day 1, NIH/NHLBI CORAL (Cardiovascular Outcomes with Renal Atherosclerotic Lesions) Study Pre-Enrollment Investigator's Meeting, January 14-15, Miami, FL.
93. Renovascular Disease: The Role of IR in Diagnosis, Treatment and Management. Society of Interventional Radiology Annual Meeting, Workshop, Sunday, April 3rd, 2005, New Orleans, LA.
94. How Does Renal Intervention Compare to Medical Management Alone ? Society of Interventional Radiology Annual Meeting, Plenary Session, Friday, April 1st, 2005, New Orleans, LA. Moderator: Alan Matsumoto, M.D.

95. Recommendations for Appropriate Renal Vascular Imaging at the Time of Coronary Angiography. American Heart Association Scientific Sessions, Special Session 03, Renal Vascular Disease: A Time to Focus on Proper Identification and Treatment of High-Risk Individuals. November 14, 2005, Dallas, Texas. Moderator: Lance Dworkin, M.D.
96. Renovascular Interventions Workshop. Society of Interventional Radiology Annual Meeting, Sunday, April 2, 2006, Toronto, Ontario, Canada. Co-moderator: Dr. Michael Bettman.
97. Moderator, Plenary Session: Clinical Interventional Radiology. Society of Interventional Radiology Annual Meeting, Sunday, April 2, 2006, Toronto, Ontario, Canada. Dr. Gregory Soares, co-moderator.
98. Evolution of IR: Where are we going? Plenary session, Society of Interventional Radiology Annual Meeting, Sunday, April 2, 2006, Toronto, Ontario, Canada. Drs. Timothy Murphy and Gregory Soares, moderators.
99. "Cilostazol Procedures". CLEVER Study Investigator's Meeting, June 16-17, Minneapolis, MN. Alan Hirsch, M.D., Study Chair, Timothy P. Murphy, M.D., Principal Investigator.
100. "Noninvasive Testing". CLEVER Study Investigator's Meeting, June 16-17, Minneapolis, MN. Alan Hirsch, M.D., Study Chair, Timothy P. Murphy, M.D., Principal Investigator.
101. "Revascularization Methods". CLEVER Study Investigator's Meeting, June 16-17, Minneapolis, MN. Alan Hirsch, M.D., Study Chair, Timothy P. Murphy, M.D., Principal Investigator.
102. "Site Monitoring". CLEVER Study Investigator's Meeting, June 16-17, Minneapolis, MN. Alan Hirsch, M.D., Study Chair, Timothy P. Murphy, M.D., Principal Investigator.
103. "Publications". CLEVER Study Investigator's Meeting, June 16-17, Minneapolis, MN. Alan Hirsch, M.D., Study Chair, Timothy P. Murphy, M.D., Principal Investigator.
104. "Work Description for PIs, Research Coordinators, Exercise Staff, and Budget". CLEVER Study Investigator's Meeting, June 16-17, Minneapolis, MN. Alan Hirsch, M.D., Study Chair, Timothy P. Murphy, M.D., Principal Investigator.
105. "CORAL's Greatest Cases!", CORAL (Cardiovascular Outcomes with Renal Atherosclerotic Lesions) Study Annual Meeting, Nashville, TN September 15, 2006. Dr. Joseph Shapiro, moderator.

106. “Recruitment Strategies: Radiology Perspective”, CORAL (Cardiovascular Outcomes with Renal Atherosclerotic Lesions) Study Annual Meeting, Nashville, TN September 15, 2006. Dr. Joseph Shapiro, moderator.
107. “Interventional Treatment”, PAD Coalition/NIH launch of “Stay in Circulation” Public Health Awareness Campaign, Press Briefing, National Press Club, Washington, D.C. September 19, 2006. Dr. Alan Hirsch, moderator.
108. “Vascular Clinical Trials: CORAL, CLEVER and Evidence-Based Vascular Care”, Abbott Northwestern Hospital Cardiology Conference, Monday, October 23, 2006. Dr. Alan Hirsch, moderator.
109. “The National Peripheral Arterial Disease Public Education Campaign: Your Roles Defined”. Minneapolis “Vascular Masters Series” lecture, Minneapolis, MN. Dr. Alan Hirsch, moderator.
110. “Design of the CLEVER Trial: Should Claudicants Be Treated?”. Advanced Interventional Management (AIM) Symposium, November 13, 2006, New York, NY. Jacob Cynamon, M.D., course director.
111. “How to Be Competitive in Interventional Radiology Practice”, Visiting Professorship, Baylor Medical Center, Houston, TX, December 13, 2006. Dr. Pedro Diaz, Moderator.
112. Live Case Panel, Femoral Artery Interventions. International Symposium on Endovascular Therapy 2007, January 30, 2007. Dr. Barry Katzen, Moderator.
113. Update on the CORAL Trial. International Symposium on Endovascular Therapy 2007, January 30, 2007. Dr. Shawn Samuels, Moderator.
114. Update on the CORAL Trial. Society of Interventional Radiology Annual Meeting, Seattle, WA. March 2, 2007. Alan Matsumoto, M.D., moderator; Ziv Haskal, M.D., course director.
115. Embolic Protection in Renal Arteries: Sham or Save? (debate). Society of Interventional Radiology Annual Meeting, Seattle, WA. March 2, 2007. Alan Matsumoto, M.D., moderator; Ziv Haskal, M.D., course director.
116. What is the Evidence on Femoropopliteal Interventions? Society of Interventional Radiology Annual Meeting, Seattle, WA. March 3, 2007. James Benenati, M.D., moderator; Ziv Haskal, M.D., course director.
117. Renal Angioplasty: Beneficial or Hazardous? UCSF Vascular Symposium, April 26th, 2007. Drs. Linda Reilly and Joseph Rapp, course directors.

118. Medicare Evidence Development & Coverage Advisory Committee (MedCAC) 7/18/2007 - Percutaneous Transluminal Angioplasty (PTA) and Stenting of the Renal Arteries. Registered speaker as representative of Society of Interventional Radiology.
119. Renal Artery Stenting: We Don't Know it Works. American Heart Association Scientific Sessions 2007, Cardiovascular Seminar CVS.60, "What's New in Peripheral Vascular Intervention I", November 4, 2007. Orlando, Florida. Antoinette Gomes, M.D. and Christopher White, M.D., moderators.
120. Femoral Recanalization: Stents, Cryo, Subaortic, Atherectomy. American Heart Association Scientific Sessions 2007, Cardiovascular Seminar CVS.60, "What's New in Peripheral Vascular Intervention I", November 4, 2007. Orlando, Florida. Antoinette Gomes, M.D. and Christopher White, M.D., moderators.
121. IR Personnel Crisis: Is It Real And What Can Be Done About It? Advance Interventional Management (AIM) Symposium, November 12, 2007. New York, New York. Jacob Cynamon, course director.
122. Why the Hype About PAD: What is the Evidence? Torrance Memorial Medical Center, Torrance, CA. December 4th, 2007. Dr. Mark Lurie, course director.
123. Why the Hype about PAD: What is the Evidence? Orange County Medical Society, Orange, CA. December 5th, 2007. Dr. Mahmood Razavi, course director.
124. Session I: Town Hall Meeting: Innovation in the United States, Is it Going Elsewhere? 20th International Symposium on Endovascular Therapy. January 21, 2008, Hollywood, Florida. Dr. Barry Katzen, course director.
125. Live Case Demonstration Panel. 20th International Symposium on Endovascular Therapy. January 21, 2008, Hollywood, Florida. Dr. Barry Katzen, course director.
126. Controversies Affecting the Economics of Renal Stenting. 20th International Symposium on Endovascular Therapy. January 21, 2008, Hollywood, Florida. Dr. Barry Katzen, course director.
127. Coffee with the Experts II: Treatment of Renal Artery Stenosis. 20th International Symposium on Endovascular Therapy. January 22, 2008, Hollywood, Florida. Dr. Barry Katzen, course director.
128. Update on Management of Aortoiliac Insufficiency. Categorical Course at Society of Interventional Radiology 33rd Annual Scientific Meeting, Washington, D.C. March 15, 2008, Mahmood Razavi, M.D., course director.

129. Peripheral Arterial Disease: What We Don't Know About What We Do Today. Plenary Session, Society of Interventional Radiology 33rd Annual Scientific Meeting, Washington, D.C. March 15, 2008, Michael Dake, M.D., course director.
130. PAD Interventions in 2008: Who Is Doing Them, Where Does IR Fit In and What's Going On in SIR. Plenary Session, Society of Interventional Radiology 33rd Annual Scientific Meeting, Washington, D.C. March 15, 2008, James Benenati, M.D., course director.
131. Renovascular Interventions Workshop. Society of Interventional Radiology 33rd Annual Scientific Meeting, Sunday, March 16, 2008, Washington, D.C., Tom Sos, M.D., course director.
132. Renal Percutaneous Transluminal Angioplasty Stents Are the Preferred Treatment of Renal Arterial Stenosis—Antagonist. American College of Cardiology 57th Annual Scientific Session March 30th, 2008, Chicago, IL, Drs. Mark Creager and John Cooke, course directors.
133. PAD: Claudication & Interventions on the Superficial Femoral and Popliteal Arteries: Interventional Therapy vs. Best Medical Therapy. 2008 Joan L. and Julius H. Jacobson Research Initiatives in Vascular Disease Conference, sponsored by the Society for Vascular Surgery. April 10th, 2008, Washington, D.C. Dr. Mark Davies, course director.
134. Latest Recommendations for Claudication: Update on the NIH Trials. 8th Hawaii Vascular Symposium. April 25th, 2008, Kapolei, Hawaii. Dr. Elna Masuda, course director.
135. Renal Artery Stenting SHOULD NOT be used widely: update on the CORAL Trial. 8th Hawaii Vascular Symposium. April 26th, 2008, Kapolei, Hawaii. Dr. Elna Masuda, course director.
136. Management of Peripheral Arterial Disease and Claudication: What is the Evidence? NIH CLEVER Study. Internal Medicine Grand Rounds, Ochsner Clinic, New Orleans, Louisiana, May 1st, 2008. Dr. Chris White, moderator.
137. How to Attract Patients for PVD Interventions. Special Session 35; CIRSE 2008 (Cardiovascular and Interventional Radiology Society of Europe Annual Meeting), Copenhagen, Denmark, September 13, 2008. Marc Sapoval, M.D. (Paris, France), and Patrick Haage, M.D. (Wuppertal, Germany), moderators.
138. Clinical Research in PAD: Separating Yourself from the Competition. Categorical Course, "PAD Practice: What Works". Society of Interventional

- Radiology 34th Annual Meeting, San Diego, CA, March 8th, 2009. Dr. Mahmood Razavi, moderator.
139. Clinical Research in PAD: Separating Yourself from the Competition. Categorical Course, "PAD Practice: What Works". Society of Interventional Radiology 34th Annual Meeting, San Diego, CA, March 8th, 2009. Dr. Mahmood Razavi, moderator.
 140. "Scientific" Evidence: The Importance of Randomization. Joint Symposium with Society of Vascular Medicine, "Medical Management of Peripheral Arterial Disease: What the IR Needs To Know About Exercise, Lipids, Antiplatelet Agents and More". Society of Interventional Radiology 34th Annual Meeting, San Diego, CA, March 8th, 2009. Drs. James Benenati and Alain Drooz, course directors.
 141. Research Outside "Academia". Plenary session, "IR Research to (Better) Practice". Society of Interventional Radiology 34th Annual Meeting, San Diego, CA, March 8th, 2009. Dr. Gordon McLennan, moderator.
 142. PVD III: Renovascular Disease: Diagnosis, Treatment and Management. Workshop, Society of Interventional Radiology 34th Annual Meeting, San Diego, CA, March 8th, 2009.
 143. Renovascular Hypertension. Medical Grand Rounds, Abington Memorial Hospital, Abington, PA. March 25th, 2009.
 144. Late-breakers, Emerging Therapies and New Peer-Review Trials. Society for Vascular Medicine 20th Annual Scientific Sessions, Denver, CO, May 14th, 2009, Dr. Judith Regensteiner, Moderator.
 145. Controversies in Renal Artery Stent Placement. Society for Vascular Medicine 20th Annual Scientific Sessions, Denver, CO, May 14th, 2009, Dr. Alan Drooz, Moderator.
 146. Renal Artery Stenosis: Treatment Options in 2009. Combined Cardiology and Nephrology Grand Rounds, SUNY Stony Brook Medical Center, August 6, 2009. Dr. Allen Jeremias, moderator.
 147. Renal Artery Stenosis and the Ischemic Kidney: What is a significant stenosis? Special Session: SS 304, Cardiovascular and Interventional Radiology Society of Europe Annual Meeting, Lisbon, Portugal, September 19, 2009. Drs. Jan Peregrin and Jean-Paul Beregi, moderators.
 148. How to Promote IR to Patients and Referring Physicians: PAD. Special Session: SS 2104, Cardiovascular and Interventional Radiology Society of

- Europe Annual Meeting, Lisbon, Portugal, Tuesday, September 22, 2009. Drs. Timothy Murphy and Leo Lampmann, moderators.
149. PAD/CLEVER: What Is The Best Treatment For Claudication? 2009 Vascular Symposium: A Day with the Experts. Friday, October 16, 2009. Forsyth Medical Center Conference Center, Winston, North Carolina. Dr. Dan Golwyn, moderator.
 150. Intermittent Claudication: What Have We Learned From The Randomized Trials? 17th Annual Advanced Interventional Management (AIM) Symposium, New York, NY, November 19, 2009. Jacob Cynamon, M.D. course director; Shawn Samuels, M.D., moderator.
 151. What Have We Learned From The Randomized Renal Artery Stent Trials? 17th Annual Advanced Interventional Management (AIM) Symposium, New York, NY, November 19, 2009. Jacob Cynamon, M.D. course director; David Trost, M.D., moderator.
 152. Update on the CLEVER Trial. Presented During: Session IV: Symposium on Peripheral Artery Disease (PAD) - Focus on Aorto-iliac Disease. The International Symposium on Endovascular Therapy (ISET 2010), Hollywood, FL. Barry Katzen, M.D., course director.
 153. Update on the CLEVER Trial. Presented During: Session IV: Symposium on Peripheral Artery Disease (PAD) - Focus on Aorto-iliac Disease. The International Symposium on Endovascular Therapy (ISET 2010), Monday, January 18, 2010. Hollywood, FL. Barry Katzen, M.D., course director.
 154. What Are the Current Data Supporting PTRAs and Stenting? Presented During: Concurrent Session G: Renal and Visceral Intervention. The International Symposium on Endovascular Therapy (ISET 2010), Wednesday, January 20, 2010. Hollywood, FL. Barry Katzen, M.D., course director.
 155. What Do Negative Randomized Control Trials for Renal Artery Stenosis Mean and will CORAL be different? Society of Interventional Radiology Annual Meeting, Plenary Session, Saturday, March 13, 2010, Dr. Alan Matsumoto, Moderator.
 156. Vigorous Debate of the Year's Most Controversial Papers: As Vascular Surgeons Demonstrably Have Better Outcomes and Fewer Complications Than Interventional Radiologists Performing Endovascular Procedures, and Hence Such Procedures Should Only Be Performed by Vascular Surgeons. Antagonists view, debate with Dr. Mohammad Eslami. Society of Interventional Radiology Annual Meeting, Plenary Session, Wednesday, March 17, 2010, Dr. Shaun Samuels, Moderator.

157. Aortoiliac Interventions Workshop. Society of Interventional Radiology Annual Meeting, Tampa, FL. Monday, March 15th, 2010, Dr. Sanjoy Kundu, Moderator.
158. Antiplatelet Agents in PAD. In Antiplatelet agents, Antihypertensives, Lipid Management, and Anticoagulation Workshop. Wednesday, March 17th, 2010, Dr. Gloria Huang, Moderator.
159. Contemporary Design and Implementation of a Claudication Trial. In "Current Research on the Effective Treatment of Claudication" Symposium, Society for Vascular Surgery Annual Meeting, June 12, 2010, Boston, Massachusetts. Drs. Michael Stoner and Thomas Forbes, moderators.
160. Management of PAD and Claudication: Does Everyone Need a Stent? St. Joseph's Hospital CME program, June 17, 2010, Orange California. Dr. Mahmood Razavi, moderator.
161. CORAL and ASTRAL Trials. International Symposium on Endovascular Therapy (ISET) 2011. Miami Beach, FL, January 18, 2011, Dr. Barry Katzen, course director.
162. CORAL Trial: Will it Provide Answers and What Is the Current Status? International Symposium on Endovascular Therapy (ISET) 2011. Miami Beach, FL, January 19, 2011, Dr. Barry Katzen, course director.
163. Aortoiliac Interventions Workshop. Society of Interventional Radiology Annual Meeting, Chicago, IL. Monday, March 28th, 2011, Dr. Sanjoy Kundu, Moderator.
164. Ongoing Peripheral Vascular Randomized Clinical Trials: CLEVER, CORAL, and ATTRACT. New England Society of Interventional Radiology, Tuesday, October 11, 2011. Boston, MA. Dr. Greg Walker, President.
165. Renal Artery Stenting: Is there an Indication for this Procedure and What is the Evidence? Presented During: In Depth Endovascular Management of PAD: Outcomes Data, Clinical Management and Controversies. Society of Interventional Radiology Annual Meeting, Saturday, March 24th, 2012, San Francisco, CA. Jim Benenati, M.D., Jafar Golzarian, M.D., moderators.
166. Pro: Renal Artery Angioplasty and Stenting Remains a Beneficial Option with Valid Indications. Presented During: Hot Topics Debate. Society of Interventional Radiology Annual Meeting, Tuesday, March 27th, 2012, San Francisco, CA. Dr. Daniel Sze, M.D., moderator.

167. Iliac Stenting Versus Exercise : Results of the NIH-sponsored CLEVR Trial. Presented During: Care Changing Clinical Trials. Society of Interventional Radiology Annual Meeting, Wednesday, March 28th, 2012, San Francisco, CA. Dr. Mahmood Razavi, M.D., moderator.
168. Should we Stent the Renal Artery or Not? Update on CORAL and Summary of Randomized Trials. Presented During: Care Changing Clinical Trials. Society of Interventional Radiology Annual Meeting, Wednesday, March 28th, 2012, San Francisco, CA. Dr. Mahmood Razavi, M.D., moderator.
169. Claudication: To Intervene or Not? Presented During: Lower Extremity Revascularization: What We Are, Where We're Going. Society of Interventional Radiology Annual Meeting, Wednesday, March 28th, 2012, San Francisco, CA. Dr. Timothy Murphy, M.D., moderator.
170. Iliac Stenting Versus Exercise: Results of the NIH-sponsored CLEVR Trial. UCSF Vascular Symposium 2012, April 26, 2012, San Francisco. Dr. Michael Conte, Course director. Drs. Timothy Murphy and Christopher Owens, moderators.
171. “Current Status and Future Development of Interventional Radiology in Asia-Pacific Countries”, panel discussion. Asia-Pacific Congress of Cardiovascular and Interventional Radiology, June 1, 2012, Kobe, Japan. Dr. Shozo Hirota, President.
172. Recent Advancement of IR for Renovascular Hypertension”. Asia-Pacific Congress of Cardiovascular and Interventional Radiology, May 31, 2012, Kobe, Japan. Dr. Shozo Hirota, President.

INVITED PRESENTATIONS (cont)

Regional

1. Percutaneous treatment of aortoiliac disease. 3rd Annual Southern New England Symposium on Peripheral Vascular Disease. Newport, Rhode Island, August 13, 1993. Course director Gary S. Dorfman, M.D.
2. Percutaneous aortoiliac revascularization. New England Roentgen Ray Society. Boston, MA, February 1994.
3. Percutaneous aortoiliac revascularization. New England Society of Cardiovascular and Interventional Radiology. Boston, MA, March 1994.

4. Thrombolysis in arterial occlusions. Nashua Memorial Hospital. Nashua, New Hampshire, June 23, 1994. (Abbott Laboratories, North Chicago, IL, Speaker's bureau).
5. Endovascular reconstruction of aortoiliac occlusive disease. 4th Annual Southern New England Symposium on Peripheral Vascular Disease. Newport, Rhode Island, August 13, 1994. Course director Gary S. Dorfman, M.D.
6. Percutaneous portosystemic shunts: Indications and establishing a follow-up program. Fifth Annual Southern New England Symposium on Peripheral Vascular Disease, Newport, RI, August 6, 1995. Course director Gary S. Dorfman, M.D.
7. Percutaneous management of aortoiliac insufficiency. Fifth Annual Southern New England Symposium on Peripheral Vascular Disease, Newport, RI, August 6, 1995. Course director Gary S. Dorfman, M.D.
8. Noncoronary thrombolysis. Contemporary Issues in Emergency Medicine, Newport, RI, August 16, 1995.
9. Vascular stents. New England Roentgen Ray Society, Boston, Massachusetts, March 15, 1996.
10. Percutaneous management of aortoiliac insufficiency. Connecticut Angiography Society, Farmington, Connecticut, April 2, 1996. Dr. Harry Chu, President.

INVITED PRESENTATIONS (cont)

Regional

11. Percutaneous Management of Aortoiliac Insufficiency. Sixth Annual Southern New England Symposium on Peripheral Vascular Disease. Newport, Rhode Island, August 16-18, 1996. Course directors: Timothy P. Murphy, M.D., Gary S. Dorfman, M.D.
12. Medical Outcomes Studies in peripheral vascular disease. Seventh Annual Symposium on Peripheral Vascular Disease. Newport, Rhode Island. August 15-17, 1997. Course directors Timothy P. Murphy, M.D., and Wilfred I. Carney, Jr., M.D.
13. Hemodialysis access maintenance. Seventh Annual Symposium on Peripheral Vascular Disease. Newport, Rhode Island. August 15-17, 1997. Course directors Timothy P. Murphy, M.D., and Wilfred I. Carney, Jr., M.D.

14. The role of stents in aortoiliac insufficiency. Seventh Annual Symposium on Peripheral Vascular Disease. Newport, Rhode Island. August 15-17, 1997. Course directors Timothy P. Murphy, M.D., and Wilfred I. Carney, Jr., M.D.
15. Mesenteric and portal venous noninvasive testing. Seventh Annual Symposium on Peripheral Vascular Disease. Newport, Rhode Island. August 15-17, 1997. Course directors Timothy P. Murphy, M.D., and Wilfred I. Carney, Jr., M.D.
16. Aortoiliac insufficiency: angioplasty vs. stents vs. stent-grafts. Eighth Annual Symposium on Peripheral Vascular Disease. Newport, Rhode Island, August 14-16, 1998. Course directors Timothy P. Murphy, M.D., and Wilfred I. Carney, Jr., M.D.
17. New techniques for dialysis access preservation. Eighth Annual Symposium on Peripheral Vascular Disease. Newport, Rhode Island, August 14-16, 1998. Course directors Timothy P. Murphy, M.D., and Wilfred I. Carney, Jr., M.D.
18. Renal Intervention: How I do it. Ninth Annual Symposium on Peripheral Vascular Disease. Newport, Rhode Island, August 13-15, 1999. Course directors Timothy P. Murphy, M.D., and Wilfred I. Carney, Jr., M.D.
19. Aortoiliac Intervention: How I do it. Ninth Annual Symposium on Peripheral Vascular Disease. Newport, Rhode Island, August 13-15, 1999. Course directors Timothy P. Murphy, M.D., and Wilfred I. Carney, Jr., M.D.
20. An Update on Peripheral Arterial Disease: What We Know and What We Don't Know. Third Annual Coastal Medical CME Seminar. September 27, 2007. Newport, RI. Dr. Larry Schoenfield, course director.

INVITED PRESENTATIONS (cont)

Regional

21. Renal arterial hypertension. 10th Annual Brown University Symposium on Peripheral Vascular Disease: Diagnosis, Intervention and Surgery. Newport, Rhode Island, July 21, 2000. Course directors: Timothy P. Murphy, M.D., and Wilfred I. Carney, Jr., M.D.
22. Use of tPA (Alteplase) for peripheral arterial thrombolysis. 10th Annual Brown University Symposium on Peripheral Vascular Disease: Diagnosis, Intervention and Surgery. Newport, Rhode Island, July 23, 2000. Course directors: Timothy P. Murphy, M.D., and Wilfred I. Carney, Jr., M.D.

23. Practice Development in a Competitive Environment. New England Society of Interventional Radiology. January 13, 2004; Boston, MA. Thomas Dykes, M.D., President.
24. Risk Factors and Evaluation of the PAD Patient. Current Trends & Technologies in Medicine, Orthopedics, & Podiatric Surgery. Newport, RI, May 5, 2007. Dr. Robb Mothershed, moderator; Dr. A. Louis Jimenez, Chairman.
25. Lower Limb Ischemia Journal Club: What We Know (And What We Don't). Current Trends & Technologies in Medicine, Orthopedics & Podiatric Surgery, Newport, Rhode Island, May 2nd, 2008. Dr. Richard Reuter, course director.

GRANTS

1. Research Project #0616-02-92: Evaluation of a Rotating Angioplasty Device in Rabbits and Swine. Burrton Medical, Inc., \$32,373, in 1991-1992. Co-investigator.
2. Research Project #7481: Intraarterial Urokinase Therapy Utilizing a Recombinant Urokinase in the Treatment of Peripheral Arterial Thromboembolic Occlusions. Abbott Laboratories, \$230,400 in 1991-1993. Co-investigator.
3. Research Project #0074: Recombinant Urokinase vs. Operative Intervention for Acute Lower Limb Arterial Occlusion. Abbott Laboratories, \$6,345.00 in 1993-1994. Co-investigator.
4. Research Project #7384-01-94: Feasibility of Endovascular AAA Repair in Swine. W.L. Gore & Associates, \$4,000.00 beginning in January 1994. Principal Investigator.
5. Research Project #7669-01-95: Possis Angiojet Rheolytic Thrombectomy System Clinical Protocol. Possis Medical, Inc, \$7,650.50 for 2 years beginning June 1995. Site principal investigator, National Co-Investigator.
6. Research Project #96-0165: Outcomes Study of Endovascular Stent Placement for Intermittent Claudication. Cardiovascular and Interventional Radiology Research and Education Fund (CIRREF) grant, \$10,000.00. June 1, 1996 to May 30, 1997. Principal Investigator.
7. Continuation of Research Project #96-0165: Outcomes Study of Endovascular Stent Placement for Intermittent Claudication. Cardiovascular and Interventional Radiology Research and Education Fund (CIRREF) grant, \$10,288.39. June 1, 1997 to May 30, 1998. Principal Investigator.
8. Research Project #7082-01-97: Wallgraft Endoprosthesis with PET Covering and the Unistep LS Delivery System. Schneider (USA), Inc., Minneapolis, Minnesota. \$43,912.84. Site principal investigator, National Co-Investigator. June 27, 1997 to May 31, 1998.
9. Health Services Research in Renal Artery Revascularization Services: Utilization by Medicare Beneficiaries 1996-2000. Cardiovascular and Interventional Radiology Research and Education Fund (CIRREF), \$14,700, December, 2001 through November, 2002.

GRANTS (cont)

10. Prostate Embolization for Massive Benign Prostatic Hypertrophy (BPH). Phase I clinical trial. Investigator-initiated IDE by Dr. Murphy. Sponsor: Biosphere (Rockland, MA). November 2003.
11. A phase II, Multicenter, Open-Label, Dose-Escalation Study to Evaluate the Safety and Activity of Alfimeprase in Patients with Acute Peripheral Arterial Occlusion. Sponsor: Nuvelo (Sunnyvale, CA). Site investigator. November 2003. \$205,406.
12. 1 R01 HL071556-01 The CORAL Study: Cardiovascular Outcomes with Renal Artery Lesions. Co-principal investigator, 35% effort. National Heart, Lung, and Blood Institute, funding notification March 2004. Total award \$12.9 million, subcontract \$818,839.
13. RESIST Study (Abciximab and AngioGuar in Renal Artery Stenting). Sponsor: Medical College of Ohio/Cordis, Inc. Chris Cooper, M.D., Principal Investigator. \$46,600. November 2003.
14. CREST (Carotid Revascularization vs. Endarterectomy Stenting Trial): National Institutes of Health/National Institute of Neurological Disorders and Stroke, 3/1/2005, up to \$227,400 (per enrollment). Site Principal Investigator.
15. R01 HL077221--Principal Investigator, 20% effort, CLEVER Study (Claudication: Exercise Vs. Endoluminal Revascularization)—National Heart, Lung, and Blood Institute, funding notification August 15, 2005, \$5.7 million.
16. Supplement to R01 HL077221 Claudication: Exercise Vs. Endoluminal Revascularization (CLEVER), The National Institutes of Health (NIH) Office of Research on Women's Health (ORWH), August 15, 2006, \$125,000. To study sex-based differences in outcomes in the CLEVER Study.
17. Society of Interventional Radiology Foundation Clinical Fellowship Research Training Program. Three years beginning 2007, \$30,000.
18. Population-based Examinations to Determine Ankle-brachial Indexes (PEDAL Study). Principal investigator, \$95,000, Bristol-Myers Squibb Sanofi Aventis.
19. 1 R01 HL088476-01--Pharmacomechanical Catheter-Directed Thrombolysis for Acute DVT-ATTRACT Trial. Steering Committee, National Heart, Lung, and Blood Institute, \$143,426.30, Suresh Vedantham, M.D., Principal Investigator.

UNIVERSITY TEACHING ROLES

1. Biomed 629: General Introduction to Radiology
Brown University School of Medicine
I provide a one-hour formal lecture during this cycle and interact directly with the

students rotating in the department.

2. Biomed 633 - Vascular and Interventional Radiology
Brown University School of Medicine
1996-2001 – Director
Supervision, instruction and didactic lectures regarding the introduction to general vascular and interventional radiology procedures. Mentoring of medical students interested in participating in research projects.

PERSONAL INFORMATION

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