

JAMES P. EARLS, MD

Fairfax Radiological Consultants, PC
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Specialty: Coronary CTA, CT Body, MRI/MRA Body

EDUCATION

<i>New York University Medical Center, New York, NY</i> Body Magnetic Resonance Imaging Fellowship	1996
<i>Walter Reed Army Medical Center, Washington, DC</i> Diagnostic Radiology Residency	1994
<i>Walter Reed Army Medical Center, Washington, DC</i> General Surgery Internship	1988
<i>New York University School of Medicine, New York, NY</i> Doctor of Medicine	1984 - 1988
<i>University of Massachusetts at Amherst, MS</i> Bachelor of Science in Chemical Engineering (Magna Cum Laude)	1980 - 1984

EMPLOYMENT

<i>Fairfax Radiological Consultants PC, Fairfax, VA</i> <i>Inova Fairfax Hospital & Fairfax Magnetic Resonance Imaging Center/Inova Heart and Vascular Institute, Falls Church, VA</i> Partner, Director of Cardiovascular CT and Body and Cardiovascular MRI	1999 - Present
<i>Magnetic Resonance Imaging Division, Department of Radiology & Radiological Sciences, The Johns Hopkins University School of Medicine</i> Assistant Professor of Radiology	1997 - 1999
<i>University of Washington School of Medicine, Harborview Medical Center</i> Assistant Professor of Radiology & Chief of Abdominal Imaging	1996 - 1997
<i>Cross Sectional Imaging Section, Department of Radiology, Walter Reed Army Medical Center, Washington, DC</i> Attending Radiologist	1994 - 1995
<i>Medical Treatment Facility, First US Support Battalion, XVIII Airborne Corps Multinational Force and Observers El Gorah, Sinai, Arab Republic of Egypt</i> Clinical Director	1989 - 1990
<i>Department of Cardiology, Cardiac Catheterization Laboratory, New York University School of Medicine, New York, NY</i> Research Assistant	1985 - 1988
<i>Department of Biochemistry, University of Massachusetts at Amherst, MS</i> Research Assistant	1981 - 1984

LICENSES

Virginia

CERTIFICATIONS

- American Board of Radiology, 1994
- National Board of Medical Examiners, 1989

RESEARCH, PUBLICATIONS AND CURRENT PROJECTS

- Earls J, Urban B, Berman E, Curry C, Lane J, Jennings R. prospectively Gated Coronary CT Angiography: A comparison with Helical CT Angiography. *Radiology*. 2008 Mar; 246(3): 742-53. Epub 2008 Jan 14
- Earls J. CT of Coronary Artery Anomalies. *Tech Vasc Interv Radiol*. 2006 Dec; 9(4): 210-7. Review
- Earls JP, Ho VB, Foo TK, Castillo E, Flamm SD, Cardiac MRI: recent progress and continued challenges. *J Magn Reson Imaging*. 2002 Aug; 16(2): 111-27.
- Earls JP, Cerva D Jr, Berman E, Rosenthal J, Fatteh N, Wolfe P, Clayton R, Murphy C, Pauze D, Mayer T, Bersoff-Matcha S, Urban B. Inhalational Anthrax after Bioterrorism Exposure: Spectrum of Imaging Findings in Two Surviving Patients. *Radiology* published online December 11, 2001.
- Mayer TA, Bersoff-Matcha S, Murphy C, Earls J, Harper S, Pauze D, Nguyen M, Rosenthal J, Cerva D Jr, Druckenbrod G, Hanfling D, Fatteh N, Napoli A, Nayyar A, Berman EL. Clinical Presentation of Inhalational Anthrax Following Bioterrorism Exposure: Report of 2 Surviving Patients. *JAMA* 2001 Nov 28; 286(20): 2549-2553.
- DeSena S, Earls JP, Low field Contrast-Enhanced Body MRA: Initial Clinical Experience Accepted for publication, *Applied Radiology*.
- Earls JP. Comparison studies of CT and MRI in patients with hepatic metastases. *Oncology* 2000 Jun; 14(6 Suppl 3): 21-8. Review.
- Earls JP, Bluemke DA. New MR imaging contrast agents. *Magn Reson Imaging Clin N Am*. 1999 May; 7(2): 255-73. Review.
- Decorato DR, Rofsky NM, Earls JP, Krinsky GA, Weinreb JC. T-1 weighted sequences for hepatic MRI: re-evaluation using a phased array coil. *Clin Imaging*. 1999 Jan-Feb; 23(1): 26-31.
- Earls J, DeCorato D, Rofsky N, Krinsky G, and Weinreb J. Echo-train STIR MR imaging of the liver: comparison of breath-hold and non-breath-hold imaging strategies. *J Magn Reson Imag* 1999; 9:87-92.
- Earls J, Patel N, Smith P, DeSena S, Meissner M. Gadolinium-enhanced three-dimensional MR angiography of the aorta and peripheral arteries: evaluation of a multi-station examination using two gadopentetate dimeglumine infusions. *AJR Am J Roentgenol* 1998 171:599-604.
- Earls J, DeSena S, Bluemke D. Gadolinium-enhanced 3D MR angiography of the entire aorta and iliac arteries using dynamic manual table translation. *Radiology* 1998; 209:844-849.
- DeCorato DR, Rofsky NM, Earls JP, Krinsky GA, Weinreb JC. T1-Weighted Sequences for Hepatic MR: Re-evaluation using a Phased Array Coil. *Clin Imaging*. 1999 Jan-Feb; 23(1): 26-31.
- Krinsky G, Maya M, Rofsky N, Lebowitz J, Nelson P, Ambrosino M, Kaminer E, Earls J, Masters L, Giangola G, Litt A, Weinreb J. Gadolinium-enhanced 3DMRA of the aortic arch vessels in the detection of atherosclerotic cerebrovascular disease. *J Comput Assist Tomo* 1998; 22:167-178.
- Earls J, Shaves S. MR Angiography of the thoracic, abdominal, and extremity venous systems. *Magn-Reson-Imaging-Clin-N-Am*. 1998 May; 6(2): 417-435.
- Hubler B, Earls JP, Stevens K. Traumatic pulmonary arterial and venous pseudoaneurysms. *AJR Am J Roentgenol* 1997 Nov; 169(5): 1354.
- Earls JP, Krinsky GA. Abdominal and pelvic applications of opposed phase MR imaging. *AJR Am J Roentgenol* 1997 Oct; 169(4): 1071-1077.
- Earls JP, Kenney JP, Patel NH. A mediastinal hematoma after a fall. *AJR Am J Roentgenol* 1997 Sep; 169(3): 659.
- Krinsky G, DeCorato DR, Rofsky NM, Flyer M, Earls JP, Ambrosino M, Wan L, Weinreb JC. Rapid T2-weighted MR imaging of uterine leiomyoma and adenomyosis. *Abdom Imaging* 1997 Sep; 22(5): 531-534.
- Blankenship B, Earls JP, Talner LB. Renal vein thrombosis after vascular pedicle injury. *AJR Am J Roentgenol* 1997 Jun; 168(6): 1574.
- Katz ES, Applebaum RM, Earls JP, Krinsky G, Weinreb J, Kronzon I. Tortuosity of the descending thoracic aorta simulating dissection on transesophageal echocardiography. *J Am Soc Echocardiogr* 1997 Jan; 10(1): 83-87.
- Earls JP, Rofsky NM, DeCorato DR, Krinsky GA, Weinreb JC. Hepatic arterial-phase dynamic gadolinium-enhanced MR imaging: optimization with a test examination and a power injector. *Radiology* 1997 Jan; 202(1): 268-273.

- Earls J, Urban B, Berman E, Curry C, Lane J. The Prevalence and Appearance of Myocardial Bridging on 16-Detector Row MDCT Coronary. Presented at the 2004 Radiological Society of North America (RSNA) Annual Meeting. Chicago, IL.
- Earls J, Urban B, Berman E, Curry C, Lane J. The Prevalence and Appearance of Anomalous Coronary Arteries on 16-Detector Row MDCT Coronary Angiography. Presented at the 2004 Radiological Society of North America (RSNA) Annual Meeting. Chicago, IL.
- Earls J, Urban B, Berman E, Curry C, Lane J. Hemodynamic and image quality effects of iodixanol and ioversol on 16-detector row MDCT coronary angiography. Presented at the 2004 Radiological Society of North America (RSNA) Annual Meeting. Chicago, IL.
- Earls J, Cerva D, Berman E, Mayer Tom, Bersoff-Matcha, Rosenthal J. Inhalational Anthrax: Imaging Findings of Two Cases Following Bioterrorism Exposure. Presented at the 2002 Radiological Society of North America (RSNA) Annual Meeting. Chicago, IL.
- Earls J, Choti MA, Borman TL, Bluemke D, Paulson E. Detection of liver metastases prior to hepatic resection: Prospective comparison of dual phase spiral CT, unenhanced and Mn-DpDp (Teslascan) enhanced MRI, intra-operative sonography, and surgical pathology. Presented at the 1998 Radiological Society of North America (RSNA) Annual Meeting. Chicago, IL.
- Earls J, Lantz A, Halefoglu A. Susceptibility induced pseudostenosis of the great vessels; a pitfall of first-pass gadolinium-enhanced 3D MR angiography. Presented at the 7th International Society for magnetic Resonance in Medicine, Philadelphia, PA April 1999.
- Earls J, Theise ND, Glick R, Bluemke D, Paulson E. Substantial RES cells are present within hepatic metastases; correlation with histopathology and ferumoxide-enhanced MR imaging. Presented at the 1998 Radiological Society of North America (RSNA) Annual Meeting. Chicago, IL.
- Earls J, Bluemke D. Gadolinium-enhanced 3D MR angiography: evaluation of a dynamic table translation technique for imaging the aorta and peripheral arteries. Presented at the 1998 Radiological Society of North America (RSNA) Annual Meeting. Chicago, IL.
- Earls J, Bluemke D. Evaluation of congenital cardiovascular disease with gadolinium-enhanced 3D MR angiography: comparison with conventional MR imaging. Presented at the 1998 Radiological Society of North America (RSNA) Annual Meeting. Chicago, IL.
- Earls J, Bluemke D, Shaves S, Schmeidal U. Ferumoxides-enhanced hepatic MR: A prospective comparison of five T2-weighted imaging sequences. Presented at the 6th International Society for magnetic Resonance in Medicine, Sydney, Australia. April 1998.
- Earls J, Patel N, Meissner M. Gadolinium-enhanced 3D MR angiography of the aorta and peripheral arteries: Evaluation of a multistation examination using two gadolinium injections. Presented at the 6th International Society for magnetic Resonance in Medicine, Sydney, Australia. April 1998.
- Kawamoto S, Earls J, and Bluemke D. Fast Spin Echo T2-Weighted Imaging of Hip Osteonecrosis. Presented at the 6th International Society for Magnetic Resonance in Medicine, Sydney, Australia. April 1998.
- Earls J, Rofsky N, DeCorato D, Krinsky G, Weinreb J. Breath hold single dose Gadolinium-enhanced three-dimensional MR aortography; Usefulness of a timing examination and MR power injector. Winner, Cum Laude Award, Presented at the Society of Computed Body Tomography Annual Meeting, Washington, DC. April 1997.
- DeCorato D, Earls J, Rofsky N, Krinsky G, Weinreb J. Evaluation of half-dose Gadolinium- DTPA for the detection of liver metastases. Presented at the Society of Computed Body Tomography Annual Meeting, Washington, DC. April 1997.
- Earls J, Rofsky N, DeCorato D, Krinsky G, Weinreb J. Optimization of the hepatic arterial phase in dynamic Gadolinium-enhanced MR using a test dose and a power injector. Presented at the Radiological Society of North America (RSNA) Annual Meeting. Chicago, IL.
- Rofsky N, Weinreb J, Krinsky G, DeCorato D, Earls J, and Bosniak M. Dynamic breath-hold 3D contrast-enhanced renal MR imaging; Comprehensive time-efficient renal evaluation. Presented at the Radiological Society of North America (RSNA) Annual Meeting. Chicago, IL.
- Earls J, DeCorato D, Rofsky N, Krinsky G, and Weinreb J. Comparison of a breathhold STIR with a conventional non-breathhold STIR for detection of liver masses. Presented at the International Society of Magnetic Resonance in Medicine, New York, 1996.
- DeCorato D, Earls J, Rofsky N, Krinsky G, and Weinreb J. Comparison of 3 T1-weighted pulse sequences for detection of liver masses: SE, Half-Fourier SE, and FLASH (GRE). Presented at the International Society of Magnetic Resonance in Medicine, New York, 1996.

- Feinberg D, Kroeker R, Earls J, Johnson G, Rofsky N, Krinsky G, Weinreb J Multiple breathhold MRI of the abdomen using automated motion correction. Presented at the International Society of Magnetic Resonance in Medicine, New York, 1996.
- Krinsky G, Flyer M, Rofsky N, Earls J, DeCorato D and Weinreb J. Comparison of Turbo SE with Conventional SE for ECG Triggered T1-Weighted MRI of the Thorax. Presented at the International Society of Magnetic Resonance in Medicine, New York, 1996.
- Rofsky N, Krinsky G, DeCorato D, Earls J, Adelman M, and Weinreb J. Low dose peripheral MRA. Presented at the Society of Computed Body Tomography and Magnetic Resonance. Scottsdale, AZ. March 1996.
- Earls J, Krinsky G, Theise N, Weinreb J, Rofsky N, DeCorato D, Tepperman L, MRI cannot reliably differentiate malignant and nonmalignant nodules in cirrhotic livers: a correlative study of high resolution MRI with pathology of explanted livers Presented at the Radiological Society of North America (RSNA) 1995 Annual Meeting. Chicago, IL.
- Earls J, Rao K, Robles H, Colon E, McAdams H, Jelinek J. Intracranial complications of congenital Protein C and Protein S deficiency syndromes; Imaging findings. Presented at the 1995 Roentgen Ray Society Annual Meeting. Washington, DC.
- Earls J, Colon E, McAdams P. Imaging in congenital hypercoagulable states. Presented at the 1993 Roentgen Ray Society Annual Meeting, San Francisco, CA.
- Earls J, Colon E, McAdams P. Imaging in congenital hypercoagulable states; Presented at the 1993 Radiological Society of North America (RSNA) Chicago, IL. Winner, Certificate of Merit
- Earls J, Colon E, Dachman A. Colon cancer in young patients: CT detection of atypical patterns of recurrence. Presented at the 1993 Radiological Society of North America (RSNA) Scientific Assembly, Chicago IL.
- Earls J, Robles H, Rao K, McAdams H Case of the Day, Malignant melanotic schwannoma. Presented at the 1993 Radiological Society of North America (RSNA) Chicago, IL.
- Perusse K, McAdams H, Earls J. Case of the Day; Thoracic lymphocele. Presented at the 1993 Radiological Society of North America (RSNA), Chicago, IL.
- Book Chapters "Body MRA" in Clinical Magnetic Resonance Imaging, R Edelman, editor. 3rd Edition, In Press, W.B. Saunders 2005
- "Abdominal trauma" in Trauma Radiology Companion E Stern, editor. Lipponcot-Raven, Philadelphia, PA. 1997.
- "Abdominal trauma" Stern Radiologische Diagnostik von Unfallfolgen und Verletzungen 1999. © Georg Thieme Verlag.

Internet Publications

- "Coronary CT Angiography" an online CME course (2.0 hours) at Radiology InfoNet (<http://www.radinfonet.com/>)
- "Liver MR Basic Techniques and Clinical Applications" an online CME course (2.0 hours) at Radiology InfoNet (<http://www.radinfonet.com/>)
- Coronary Artery Imaging: State-of-the Art. Conference Coverage, RSNA 2001 James P. Earls, MD . <http://www.medscape.com/viewprogram/1808>
- MRI Evaluation of Ischemic Heart Disease. Conference Coverage, RSNA 2001 James P. Earls, MD, <http://www.medscape.com/viewprogram/1808>
- Hepatic Imaging in Transition: Triage for Transplantation http://www.medscape.com/medscape/cno/2000/RSNACME/public/conference.cfm?conference_id=91
- Advances in Coronary Artery Calcification Scoring http://www.medscape.com/medscape/cno/2000/RSNACME/public/conference.cfm?conference_id=91
- MRI Guided Interventions: Vascular and Coronary Techniques http://www.medscape.com/medscape/cno/2000/RSNACME/public/conference.cfm?conference_id=91

Invited Lectures and Course Faculty

- 6/08 Radiology Grand Rounds, "Radiation Dose and Prospectively Triggered Cardiac CT" Massachusetts General Hospital, Boston, MA and Brigham and Woman's Hospital, Boston, MA
- 5/08 Invited Faculty 10th Annual International Symposium on Multidetector-Row CT, Sponsored by Stanford University Las Vegas, NV
- 5/08 Invited Faculty, 2nd Concord Cardiovascular CT Symposium, Sydney Australia

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- 4/08 Invited Faculty, Cardiac CT, Coronary CT, Angiography, American Roentgen Ray Society Annual Meeting, Washington, DC
- 1/08 Invited Speaker "Cardiac CT for Radiologists" Orlando, FL.
- 11/07 Review Course Faculty, 2007 Radiological Society of North America (RSNA) Annual Meeting, Chicago, IL
- 10/07 Invited Faculty, 50th Annual Meeting Alberta (Canada) Radiological Society Jasper National Park, Alberta Canada
- 10/07 Invited Faculty, Annual Meeting North American Society of Cardiac Imaging, Washington, DC
- 8/07 Invited Faculty, Southeast Asian GE Users Conference, Phuket, Thailand
- 7/06 Invited Faculty, Society of Cardiovascular CT Annual Meeting, Washington, DC
- 7/07 Invited Faculty, 8th International Conference on Cardiac CT and the 2nd Annual Meeting of the Society of Cardiovascular CT Sponsored by the Massachusetts General Hospital, and Harvard Medical School, Arlington VA
- 6/07 Invited Faculty 8th Annual International Symposium on Multidetector- Row CT Sponsored by Stanford University San Francisco California
- 05/07 Invited Speaker: Cardiac CT, Coronary CT Angiography American Roentgen Ray Society Annual Meeting Vancouver Canada
- 03/07 Invited Speaker: Cardiac CT, Coronary CT Angiography Society of Interventional Radiology Annual Meeting Toronto Canada
- 02/07 Course Director "Cardiovascular and Peripheral CT 2006" Sponsored by Educational Symposia Inc Vail, Colorado
- 01/07 Invited Speaker "Cardiac CT For Radiologists Orlando, FL
- 10/06 Invited Speaker Cardiovascular CT Symposium Sponsored The American College of Radiology Reston VA
- 10/06 Invited Speaker Cardiovascular CT 2006 Sponsored by Johns Hopkins University School of Medicine Baltimore MD
- 7/06 Invited Faculty, 7th International Conference on Cardiac CT and the Society of Cardiovascular CT Annual Meeting Sponsored by the Massachusetts General Hospital, and Harvard Medical School Arlington VA
- 6/06 Invited Faculty, 8th Annual International Symposium on Multidetector-Row CT Sponsored by Stanford University, San Francisco California
- 5/06 Invited Speaker American Roentgen Ray Society Annual Meeting, Vancouver Canada
- 4/06 Invited Speaker Society of Interventional Radiology Annual Meeting, Toronto, Canada
- 3/06 Course Director "Cardiovascular CT and MRI 2006" Sponsored by Educational Symposia Inc, Whistler, Canada
- 1/06 Invited Speaker "Cardiac CT for Radiologists", Orlando, FL
- 10/05 Radiology Grand Rounds "Cardiac CT: Current Applications" Dartmouth Hitchcock Medical center Hanover NH
- 10/05 Invited Speaker "Cardiac CT Applications in Pediatrics" American Academy of Pediatrics Annual Meeting, Washington DC
- 10/05 Invited Speaker Cardiovascular CT 2005 Sponsored by Johns Hopkins University School of Medicine Baltimore, MD
- 9/03 Cardiovascular MR Clinical Applications Seminars, International Center for Postgraduate Medical Education Little Rock, AK
- 9/05 Course Director 3rd Annual Cardiovascular CT 2005 sponsored by educational Symposia Inc. Las Vegas, NV
- 7/05 Invited Faculty, 6th International Conference on cardiac CT Sponsored by the Massachusetts General Hospital, and Harvard Medical School, Boston Massachusetts
- 6/05 Invited Faculty, 7th Annual International Symposium on Multidetector-Row CT, Sponsored by Stanford University, San Francisco, California
- 5/05 Faculty, MRI Advanced Applications Course Sponsored by the Diagnostic Imaging Center Graz, Austria, and the International Society of Magnetic Resonance in Medicine Graz, Austria

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- 4/05 Faculty, MRI Advanced Applications Course, Sponsored by Educational Symposia Inc, Las Vegas NV
- 9/04 Faculty, Cardiovascular CT: What you need to know. Sponsored by Educational Symposia Inc, Las Vegas, NV
- 5/04 Faculty, MRI Advanced Applications Course, sponsored by the Diagnostic Imaging Graz, Austria, and the International Society of Magnetic Resonance in Medicine Graz, Austria
- 03/04 MRA Clinical Applications Seminars International Center for Postgraduate Medical Education Charlotte NC, Philadelphia PA, Seattle WA, San Francisco, CA
- 9/03 MRA Clinical Applications Seminars, International Center for Postgraduate Medical Education Indianapolis, IN
- 5/03 Faculty, MRI Advanced Applications Course, Sponsored by the Diagnostic Imaging Center Graz, Austria, and the International Society of Magnetic Resonance in Medicine Graz, Austria
- 3/03 MRA Clinical Applications Seminars International Center for Postgraduate Medical Education Hartford CT, Hershey PA
- Advances in Cardiovascular imaging. VA State Radiology Technologist Annual Meeting, Richmond VA
- 5/02 Faculty, MRI Advanced Applications Course Sponsored by the Diagnostic Imaging Center Graz, Austria and the international Society of Magnetic Resonance in Medicine Graz, Austria
- 3/02 MRA Clinical Applications Seminars International Center for Postgraduate Medical Education Baltimore, MD, Cleveland OH, San Francisco CA, Los Angeles, Salt Lake City UT, Jacksonville FL, Dallas TX
- 2/02 Faculty, Abdominal and Pelvic MRI Course University of California at San Francisco Palm Springs CA
- 11/01 "Radiographic appearance of Inhalational Anthrax" Centers for Disease Control, Atlanta GA
- 5/01 Faculty, MRI Advanced Applications Course sponsored by the Diagnostic Imaging Center Graz, Austria, and the International Society of Magnetic Resonance in Medicine Graz, Austria
- 3/01 MRA Clinical Applications Seminar Ithaca Center for Postgraduate Medical Education Indianapolis, IN; Jacksonville, FL; Pittsburgh, PA; Phoenix, AZ
- 5/00 "New Developments in MR Angiography" 1st Annual; NJ Physicians Conference Academy of Medicine of New Jersey, Atlantic City, NJ
- 2/00 "Contrast-enhanced MRA" Carmel Community Hospital, Carmel, CA
- 6/99 MRA Clinical Applications Seminar Ithaca Center Postgraduate Medical Education, Houston, TX
- 5/99 "Contrast – enhanced MRA" Seminar International Society of Magnetic Resonance in Medicine Annual Meeting, Philadelphia, PA
- 5/99 "Carotid MR Imaging" Louisville Radiological Society, Louisville, KY
- 5/99 "Contrast-enhanced MRA" Grand Rounds, Radiology, University of Alabama Birmingham
- 5/99 MRA Clinical Applications Seminar, Ithaca Center for Ithaca Center Postgraduate Medical Education, Atlanta GA
- 5/99 New MR Applications in Oncology National Oncology Institute, Budapest, Hungary
- 5/99 Faculty, MRI Advanced Applications Course Sponsored by the Diagnostic Imaging Center Graz, Austria, and the International Society of Magnetic resonance in Medicine Graz, Austria
- 4/99 Moderator, Pittsburgh MRA Seminar Berlex Labs, Pittsburgh, PA
- 4/99 " Contrast-enhanced MRA" Louisville Radiological Society, Louisville, KY
- 4/99 MRA Clinical Applications Seminar, Ithaca Center for Postgraduate Medical Education, Baltimore, MD 5/99 New MR Plaque Imaging techniques Johns Hopkins Lipid Research Atherosclerosis Division, Baltimore, MD
- 3/99 "Genitourinary MRI", "Liver MRI" Maine Radiological Society, annual Meeting, Haysack, ME
- 3/99 Faculty, Johns Hopkins University School of Medicine MRI clinical Applications Marco Island, FL
- 3/99 " Contrast –enhanced MRA" Western PA Hospital, Pittsburgh, PA
- 1/99 "Liver MRI Current Uses" Northern Ohio Radiological Society, Toledo, OH
- 11/98 "Contrast-enhanced Body MR Angiography" University of Maine School of Medicine Portland, ME

- 11/98 "Contrast-enhanced Body MR Angiography" University of CA at Davis School of Medicine Sacramento, CA
- 10/98 "New Applications of Body MR Angiography" Hanneman University School of Medicine, Philadelphia. PA
- 10/98 "Contrast-enhanced Body MR Angiography" Medical College of Philadelphia, Philadelphia, PA
- 10/98 "How to Optimize Body MRA" "New MR Contrast Agents" Magnetic Resonance Update 98, New York University Post-Graduate Course
- 10/98 "Contrast –Enhanced Body MR Angiography" American College of Angiology Annual Meeting, New Orleans, LA
- 9/98 "Liver MR: New Indications and Techniques" Roanoke Radiology Society, Roanoke, AV
- 9/98"Contrast-enhanced Body MR Angiography" Madigan Army Medical Center, Tacoma, Washington
- 9/98 " Contrast-enhanced Body MR Angiography" Eisenhower Medical Center, Palm Springs, California
- 9/98"Liver MR Imaging: Current Techniques and Indications" University of Michigan Medical center, Ann Arbor, MI
- 9/98 "Renal MR Angiography" Grand Rounds, Nephrology Section, Department of Medicine Johns Hopkins Hospital
- 9/98 "Thoracic MR Angiography" "MR Angiography of the Pelvis and Lower Extremities" " Liver MR Imaging: Current Techniques and Indications" Grand Rounds, university of Arizona, Tucson, Arizona
- 7/98 "Liver MR Imaging: Current Techniques and Indications" Grand Rounds, Cancer Center, Buffalo, New York
- 6/98 "Liver MR Imaging: Current techniques and Indications" Grand Rounds, University of Miami School of Medicine Jackson Memorial Hospital.
- 5/98" Liver MR Imaging: Current techniques and Indications" " Cardiac MR Imaging" " Thoracic MR Angiography" "MR Angiography of the Pelvis and Lower Extremities" Hawaii state Radiology Society Annual Meeting, Maui, HI
- 5/98 "Thoracic MR Angiography" "MR Angiography of the Pelvis and Lower Extremities" American society of Abdominal Surgery, Tampa, FL
- 4/98 "Contrast – enhanced Body MR Angiography" Radiology Grand Rounds, Johns Hopkins Hospital
- 4/98 "Urologic Applications of MR Imaging" urology Grand rounds, Johns Hopkins Hospital
- 3/98 "Liver MR Imaging: current techniques and Indications" Grand Rounds, City of Hope Medical Center, Los Angeles, CA
- 3/98 "Clinical Applications of Ferumoxides" Magnetic resonance Imaging Society of New Jersey
- 3/98 "Contrast enhanced MR Angiography" Dallas – FT Worth radiological Society
- 3/98 "Cardiac MR Imaging " Grand Rounds, University of Texas Southwestern School of Medicine
- 1/98 "Liver MR Imaging: Current techniques and Indications" Grand Rounds, Millard Filmore Hospital, Buffalo, NY
- 11/97 "New Developments in MRI" Oklahoma State Radiological Society, Oklahoma City, OK
- 11/97 "Contrast Enhanced Magnetic Resonance Angiography" Boston, MA, center for Biomedical Communication
- 11/97 "Contrast Enhanced Magnetic Resonance Angiography" Boston, MA, center for Biomedical Communication.
- 10/97 "Body Magnetic Resonance Angiography" "Liver MR Imaging: Current Techniques and Indications"
- 10/97 "new developments in Magnetic resonance Imaging" Grand Rounds, MT Sinai University School of Medicine
- 10/97 "Contrast-enhanced Body Magnetic resonance Angiography" New York, NY Center for Biomedical Communication.
- 9/97 " Clinical Applications of Ferumoxides" Rochester NY, Center for Biomedical Communication
- 9/97 "Liver MR Imaging: Current techniques and Indications" Indianapolis IN, Center for Biomedical Communications
- 9/97 "Recent Developments in Body Magnetic Resonance Angiography" Boston, MA; Washington, DC
- 8/97 "CT of Abdominal Trauma" Trauma Radiology 1998 University of Washington/ Harbor view Medical Center Course

- 4/97 "Clinical Applications of Ferumoxides" MR Liver Experts Meeting, Chicago, IL
- 6/97 "use of Ferumoxides in Abdominal MR" San Francisco, CA Center for Biomedical Communication
- 3/96 "New Developments in Magnetic Resonance Imaging" Grand Rounds, University of Puerto Rico, San Juan, PR
- 3/96 "Use of Ferumoxides in Abdominal MR" Grand Rounds, Tampa General Hospital, Tampa, FL
- 3/97 "New Developments in Magnetic Resonance Imaging" Fort Meyers Radiology Society, Fort Meyers, FL
- 12/96 "Magnetic Resonance Imaging in Prostate Imaging" Madigan Army Medical Center, Tacoma, WA
- 9/96 "Abdominal Applications of Chemical-shift MR Imaging". Madigan Army Medical Center, Tacoma, WA
- Co-Investigator: A direct comparison of Mn-DPDP enhanced MR and Spiral contrast-enhanced CT: Accuracy for Detection of Hepatic Metastases from Colorectal Carcinoma Completed 1998.
- Co-Investigator: Ferumoxides-enhanced MR and Contrast-enhanced CT: Accuracy for Detection of Hepatic Metastases from Colorectal Carcinoma and an Analysis of Effect on Therapeutic Management Decision Making. Completed 1998.
- Co-Investigator: A phase III safety and Efficacy investigation of the super magnetic ironoxide (Code 7227) as a magnetic resonance enhancement agent for imaging the liver and spleen. Completed 1996.
- 1/96 "MR of Diffuse Liver Disease" Dept. of Radiology, University of Washington, Seattle, WA
- 1/96 "MR of Diffuse Liver Disease" Grand Rounds, Dept. Of Radiology, University of Utah, Salt Lake City
- 1/96 "Current MR Applications" Dept. of Radiology, University of Utah, Salt Lake City.
- 11/95 "Body Magnetic Resonance Imaging, Clinical Case review and Workshop", MR imaging, Clinical State of Art; New York University medical Center, New York, NY

Grants/Clinical Trials

- Principle Investigator: International Prospective Multicenter Study on Radiation Dose Estimates of Coronary CT angiography in Daily Practices (Protection I) Study. Completed 2008.
- Principle Investigator: Contrast-Enhanced Computed Tomography (CT) Using GE LightSpeed Volumetric Computed Tomography (VCT) Scanner for the Detection of Coronary Artery Disease: A Prospective Multi-Center Study Comparison with Cardiac Radionuclide Imaging.
- Principle Investigator: A Prospective, Multicenter Study of GE LightSpeed VCT for Evaluation of Coronary Luminal Obstruction in Typical or atypical Chest Pain Patients Suspected of Coronary Artery Disease. Completed 2006
- Co-Investigator: A Prospective, Multi-center Study with case Matched controls to evaluate the safety and efficacy of the AtriCure Bipolar System for the treatment of Continuous Atrial Fibrillation as adjunct therapy to elective open Heart Surgery. Completed 2005
- Co-Investigator: The CLEVER Study – Coreg And Left Ventricular Mass Regression Completed 2005.
- Primary-Investigator Comparison Noninvasive CT Angiography for Epicardial Coronary Imaging with catheter-based Angiography (CINEMA) A Prospective study of coronary imaging by CT angiography versus invasive coronary arteriography in patients scheduled for elective diagnostic cardiac catheterization Completed 2005
- Primary Investigator. A Multicenter, Open-label study: Patient Tolerance of Contrast Media, Magnevist, administered by an MR-compatible power injector versus Manual Injection. Completed 2005.
- Primary-Investigator: Multi-Center open Label crossover study of the safety and efficacy of Magnevist injection-enhanced MRA and 2D TOF in Patients undergoing MRA of the aorta and peripheral arteries: Comparison to x-ray angiography. Completed 2002.
- Primary – Investigator: "Intraurethral and intrabiliary MRI in Canines; evaluation of safety and efficacy" 1999 Completed.
- Primary-Investigator: Intraurethral and intrabiliary MRI in Canines; evaluation of safety and efficacy" 1999 Completed.
- Primary-Investigator: Multicenter open-labeled study of GD-EOB-DTPA completed 1999.

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MEMBERSHIPS

- American College of Radiology (DC & Virginia Chapters)
- American Heart Association
- American Roentgen Ray Society
- The Medical Society of Virginia
- Radiology Society of North America (Member, Cardiac Subcommittee)
- Society of Cardiovascular CT (Member, Radiology Committee)
- North American Society of Cardiac Imaging (Chair, Education Committee; Member Board of Directors)