

CURRICULUM VITAE

DONALD L. MILLER, M.D., FSIR FACR

PRESENT APPOINTMENT: Chief Medical Officer for Radiological Health
Office of In Vitro Diagnostics and Radiological Health
Center for Devices and Radiological Health
Food and Drug Administration
Silver Spring, MD
December 2012—

OFFICE ADDRESS: Center for Devices and Radiological Health
Food and Drug Administration
Building 66, Room 4646
10903 New Hampshire Avenue
Silver Spring, MD 20993

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HOME ADDRESS: 6512 Windermere Circle
Rockville, MD 20852-3541
(301) 493-9383

EDUCATION: Yale University
New Haven, CT
B.A. (Molecular Biophysics & Biochemistry)—1972

New York University School of Medicine
New York, NY
M.D.—1976

POST GRADUATE TRAINING:

INTERNSHIP: University of Cincinnati Medical Center
Cincinnati, OH
Internal Medicine
July 1976—June 1977

RESIDENCY: New York University Medical Center
New York, NY
Diagnostic Radiology
July 1978—June 1981

FELLOWSHIP: New York University Medical Center
New York, NY
Vascular and Interventional Radiology
July 1981—June 1982

BOARD CERTIFICATION: Primary certification:
American Board of Radiology
(Diagnostic Radiology)
June, 1981 (lifetime)

Subspecialty certification:
Vascular and Interventional Radiology
American Board of Radiology
1995; 2005; 2014 (expires December, 2025)

STATE LICENSURE: Maryland (active), Pennsylvania, New York, Ohio, District
of Columbia

FACULTY APPOINTMENTS: Uniformed Services University of the Health Sciences
Bethesda, MD
Professor of Radiology, 1993—2012
Associate Professor of Radiology, 1987—1992
Assistant Professor of Radiology, 1982—1987

State University of New York
Health Science Center at Syracuse
Syracuse, NY
Professor of Radiology, 1993—1994

Georgetown University School of Medicine
Washington, DC
Professor of Radiology, 1990—1992
Associate Professor of Radiology, 1986—1989
Clinical Assistant Professor of Radiology, 1985—1986

New York University School of Medicine
New York, NY
Clinical Assistant Professor of Radiology, 1981—1982

PREVIOUS EXPERIENCE: Acting Chief Medical Officer for Radiological Health
Office of In Vitro Diagnostics and Radiological Health
Center for Devices and Radiological Health
Food and Drug Administration
Silver Spring, MD
October 2012—December 2012

Chief, Diagnostic Devices Branch
Division of Mammography Quality and Radiation Programs
Office of Communication, Education and Radiation
Programs
Center for Devices and Radiological Health
Food and Drug Administration
Silver Spring, MD
April 2012—October 2012

Acting Chief, Diagnostic Devices Branch
Division of Mammography Quality and Radiation Programs
Office of Communication, Education and Radiation
Programs
Center for Devices and Radiological Health
Food and Drug Administration
Silver Spring, MD
August 2011—April 2012

Medical Officer
Radiation Programs Branch
Division of Mammography Quality and Radiation Programs
Office of Communication, Education and Radiation
Programs
Center for Devices and Radiological Health
Food and Drug Administration
Silver Spring, MD
February 2011—August 2011

Interventional Radiologist
Department of Radiology
National Naval Medical Center
Bethesda, MD
May 2006—February 2011

Interventional Radiologist
Department of Radiology
Albert Einstein Medical Center
Philadelphia, PA
October 2005—May 2006

Chief, Interventional Radiology
Department of Radiology
National Naval Medical Center
Bethesda, MD
January 1994—September 2005
Staff Clinician

Medical Oncology Clinical Research Unit
 Center for Cancer Research
 National Cancer Institute
 National Institutes of Health
 Bethesda, MD
 September 1997—September 2005

Chief, Vascular/Interventional Radiology
 Department of Radiology
 State University of New York
 Health Science Center at Syracuse
 Syracuse, NY
 July 1993—January 1994

Director, Vascular/Interventional Radiology
 Diagnostic Radiology Department
 National Institutes of Health
 Bethesda, MD
 September 1984—July 1993

Staff Radiologist
 Department of Diagnostic Radiology
 National Institutes of Health
 Bethesda, MD
 July 1982—August 1984

Admitting Physician
 Cincinnati Veterans Administration Hospital
 Cincinnati, OH
 August 1977—June 1978

EDITORIAL POSITIONS:

Radiology
 Editorial Board, 1990—1997
 Associate Editor, 1990—1992
 Consultant to the Editor, 1993—1997

Journal of Vascular and Interventional Radiology
 Associate Editor, 2007—2011

Reviewer:
Radiology 1987—2008

Journal of Computer Assisted Tomography
 1988—2000

American Journal of Roentgenology 1989—1990,
1997—2000

Investigative Radiology 1989—1994

Journal of Vascular and Interventional Radiology 1990—

CardioVascular and Interventional Radiology
1990—2003

Cancer 1993—1999

PROFESSIONAL SOCIETY MEMBERSHIPS AND OFFICES HELD:

International Commission on Radiological Protection (ICRP)

Member, 2010—2013, 2013—2017

Vice-Chair, Committee 3 (Protection in Medicine), 2013—2017

Member, Committee 3 (Protection in Medicine), 2010—2013

Co-Chair, Task Group 62, 2010—2012

Corresponding Member, Task Group 78, 2010—2013

Full Member, Working Parties on Justification, Occupational Protection, Diagnostic
Reference levels, 2012—

National Council on Radiation Protection and Measurements (NCRP)

Member of Council, 2006—2012; 2012—2018

Co-Chair, Program Area Committee (PAC) 4, Radiation Protection in Medicine, 2013—

Member, Program Committee for the 2014 Annual Meeting, 2013—2014

Member, Program Committee for the 2015 Annual Meeting, 2014—2015

Member, Nominating Committee, 2013—2014

Member, Nominating Committee, 2014—2015

Chair, Nominating Committee, 2015—2016

Vice-Chair, Scientific Committee 2-3, 2007—2010

Consultant, Scientific Committee 4-3, 2009—2012

Consultant, Scientific Committee 4-5, 2013—

Member, Scientific Committee 4-6, 2014—

Member, Scientific Committee 4-7, 2014—

Member, Scientific Committee 6-9, 2014—

Member, Council Committee CC-1, 2014—

American Board of Radiology (ABR)

VIR MOC Cognitive Exam Committee 2009—2011

American College of Radiology (ACR)

Chair, ACR Guidelines Interventional Committee, 2008—2012

Member, Committee on Safety, 2009—2010

Vice-Chair, Committee on Safety, 2010—2011

FDA liaison, Committee on Safety, 2011—2015
 FDA liaison, Dose Index Registry Committee, 2013—

Society of Interventional Radiology (SIR)

Member 1987, Fellow 1988—2014, Emeritus Fellow 2014—
 Safety and Health Committee, Chair, 1999—2011, FDA liaison 2011—
 Standards of Practice Committee 2002—, FDA liaison 2011—
 MOC/PQI Committee 2009—2012
 Registry Committee, FDA liaison 2011—

Other SIR offices and committees:

Registry Committee, 1988—1991
 Scientific Session Abstract Reviewer 1992
 FDA Committee, 1994—2008
 Government Affairs Committee, 1995—1998
 Radiation Exposure and Safety Task Group, 1995—1998
SCVIR Case Club Editorial Board, 1997—2000
 Chair, Radiation Safety and Exposure Task Force, 1998—1999
 Representative to NCRP, 1999—2002
 Ergonomics Task Force, Member 2000—2001, Chair 2001
 Representative to International Electrotechnical Commission (IEC) subcommittee 62B
 (Diagnostic Imaging Equipment) 2003—2009

Radiological Society of North America (RSNA)

Chairman, Vascular/Interventional Radiology Meeting Notes Committee, RSNA Annual
 Meeting; 1992, 1993
 RadLex Interventional Committee, 2007
 RSNA representative, National Cancer Institute Study Steering Committee, 2008—

RSNA Research and Education Foundation

Roster of Distinguished Scientific Advisors, 1999—2005

American Roentgen Ray Society

Chesapeake Interventional Radiology Society (formerly Washington Interventional
 Radiology Society)

Secretary-Treasurer, 1988—1989
 President, 1989—1990
 Member-at-Large, 1990—1991

HOSPITAL AND UNIVERSITY COMMITTEES:

National Naval Medical Center

Operative and Invasive Procedures Committee 2000—2005; 2007—2011
 Institutional Review Board, 2004—2005

Uniformed Services University of the Health Sciences
 Appointments, Promotion and Tenure Committee, Department of Radiology and Radiological
 Sciences, 2002—2005; 2007—2012

CERTIFICATIONS:

Basic Cardiac Life Support (Expires March 2017)
 Advanced Cardiac Life Support (Expires June 2016)

GRANTS:

Cardiovascular and Interventional Radiology Research And Education Foundation (CIRREF)
 “Determination of Skin Entrance Radiation Dose for Certain Interventional Radiology
 Procedures” January 1, 2001—December 31, 2001 \$50,000.00

AWARDS AND HONORS:

New York State Regents' Scholarship in Medicine 1972—1976

Radiological Society of North America

Certificate of Merit, Scientific Exhibit, 68th Scientific Assembly and Annual Meeting,
 November 1982

Certificate of Merit, Scientific Exhibit, 80th Scientific Assembly and Annual Meeting,
 November 1994

Department of Health and Human Services

Assistant Secretary for Health Certificate of Commendation
 April 21, 1988

Society of Interventional Radiology

Fellow, 1988; Emeritus Fellow, 2014

Radiology

Editor's Recognition Award for Distinction in Reviewing—1987, 2005

Editor's Recognition Award for Distinction in Reviewing (with special distinction)—1988,
 1989, 1999, 2000, 2001, 2002, 2003, 2004

Journal of Vascular and Interventional Radiology

Distinguished Reviewer Award—1999, 2001

American College of Radiology

Fellow, 2004

American Association of Physicists in Medicine

Honorary Member, 2013

Food and Drug Administration

FDA Leveraging/Collaboration Award – The Pediatric Dose Reduction Group, 2011

CDRH Special Recognition Award – Individual, 2011

FDA Outstanding Service Award – Pediatric Public Workshop on Radiation Exposure, 2012

FDA Time off Award – 2012

FDA Cash Award – 2012

FDA Time off Award – 2013

FDA Time off Award – 2013 (Outstanding annual performance appraisal, 2012)

FDA Time off Award – 2014 (Outstanding annual performance appraisal, 2013)

CDRH Outstanding Process Implementation Award – 2014

FDA Time off Award – 2015 (Outstanding annual performance appraisal, 2014)

Environmental Protection Agency

Bronze Medal for Commendable Service – 2015

Conference of Radiation Control Program Directors

Board of Directors Award for Outstanding Achievement – 2015

OTHER:

Federal Interagency Steering Committee on Radiation Standards (ISCORS)

Vice-Chair, EPA Interagency Working Group on Medical Radiation, drafting Federal Guidance Report No. 14, "Radiation Protection Guidance for Diagnostic and Interventional X-Ray Procedures" 2007—2015

Principal Representative, Department of Health and Human Services, 2011—

Member, Presidential Guidance Work Group, 2012—

International Electrotechnical Commission (IEC) subcommittee 62B

MT 38 (Medical Electrical Equipment), 2003—2009; 2011—

MT 41 (Safety of Interventional Fluoroscopy Equipment), 2006—

MT 37 (General Radiography and Fluoroscopy), 2014—

International Commission on Radiological Protection (ICRP)

Co-author, ICRP Publication 117 "Radiological Protection in Fluoroscopically Guided Procedures Performed Outside the Imaging Department", 2010—2012

Co-Chair, ICRP Publication 120 "Radiological Protection in Cardiology", 2010—2013

Full Member, Working Party drafting "Justification in Diagnostic Medical Uses of Ionizing Radiation", 2012—

Full Member, Working Party drafting "Occupational Protection Issues in Fluoroscopically Guided Procedures", 2012—

Full Member, Working Party drafting "Diagnostic Reference Levels for Diagnostic and Interventional Imaging", 2012—

International Atomic Energy Agency (IAEA)

Member, Coordinated Research Project *Exploring the Possibility of Establishing Reference Levels for Interventional Radiology*, 2003—2008

Consultant, Technical Meeting, *Review Radiation Protection Guidance for Medical Workers*, 2008

Member, Working Group on Interventional Cardiology, *Information System on Occupational Exposure in the Medical, Industrial and Research Areas (ISEMIR)*, 2009—

Member, Expert Panel, Radiation Protection of Patients, 2011—2012

Consultant, Technical Meeting *Patient Radiation Exposure Tracking: Progress Assessment and Development of Further Actions*, 2013

Spanish Ministry of Health and Sociedad Española de Radiología Vascular e Intervencionista (Spanish Society of Vascular and Interventional Radiology)

Consultant, Spanish Pilot Program on Patient Dose and Image Quality in Interventional Radiology, 2005—2008

National Council on Radiation Protection and Measurements (NCRP)

Vice-Chair, Scientific Committee 2-3, for NCRP Report No. 168, “Radiation Dose Management for X-Ray Guided Interventional Medical Procedures”, 2007—2010

Consultant, Scientific Committee 4-3, for NCRP Report No. 172, “Reference Levels and Achievable Doses in Medical and Dental Imaging: Recommendations for the United States”, 2009—2012

Consultant, Scientific Committee 4-5, for NCRP Report “Radiation Protection in Dentistry Supplement”, 2013—

Member, Scientific Committee 4-6, for NCRP Statement “Outline of Administrative Policies for Quality Assurance and Peer Review of Tissue Reactions Associated with Fluoroscopically-Guided Interventions”, 2014—2015

Member, Scientific Committee 4-7, for NCRP Report “Evaluating and Communicating Radiation Risks for Studies Involving Human Subjects: Guidance for Researchers and Reviewing Bodies”, 2014—

Member, Scientific Committee 6-9, for NCRP Report “U.S. Radiation Workers and Nuclear Weapons Test Participants Radiation Dose Assessment”, 2014—

Member, Council Committee CC-1, for NCRP Report “Radiation Protection Guidance for the United States”, 2014—

World Health Organization (WHO)

Consultant, *Global Initiative on Radiation Safety in Healthcare Settings*, 2008—

Consultant, Referral Guidelines for Diagnostic Imaging Working Group, 2010—

Core Group of Experts, Radiation Risk Communication in Health Care, 2012—

Focused Expert Meeting on Medical Imaging of Asymptomatic People for Individual Health Assessment, 2013

American Association of Physicists in Medicine

Radiation Protection Subcommittee (FDA liaison) 2011—

Conference of Radiation Control Program Directors

Member, Working Group SR-F: Suggested Regulations - F: Medical Diagnostic and Interventional X-ray and Imaging Systems, 2014-2015

National Cancer Institute

Adjunct Investigator, Radiation Epidemiology Branch, 2009—2011

Bethesda (NIH) Unit, Disaster Medical Assistance Team, National Disaster Medical System,
1984—1991

Medical Officer, 1984—1985

Lead Medical Officer, 1985—1987

Senior Lead Medical Officer, 1987—1988

Chief Medical Officer, 1988—1991

INVITED LECTURES

New York University Post Graduate Medical School, New York, NY
Interventional Radiology Course
"Digital subtraction angiography and its application to interventional procedures"
June 5, 1982

New York University Medical Center, New York, NY
Department of Radiology
"EOE-13 - a liver and spleen specific contrast agent"
March 15, 1983

Georgetown University Medical Center, Washington, DC
Department of Radiology
"PTC and biliary drainage"
April 4, 1983

Georgetown University Medical Center, Washington, DC
Department of Radiology
"Angiography of the liver, spleen and pancreas"
October 24, 1983

Northeastern Ohio Universities College of Medicine, Akron, OH
Akron General Medical Center
Grand Rounds - Visiting Professor
"EOE-13 - a liver and spleen specific contrast agent"
February 22, 1984

International Symposium on Liver Metastasis
Boerhaave Committee for Postgraduate Medical Education University of Leiden
Leiden, the Netherlands
"Contrast agents for computed tomography of the liver (including EOE-13)"
May 24, 1984

The Foundation for Advanced Education in the Sciences, Washington, DC
A Review of Endocrinology: Diagnosis and Treatment.
"Radiologic contributions to endocrinology"
October 16, 1985

Syndicat Professionel des Médecins Endocrinologues du Québec
(Association of Endocrinologists of the Province of Quebec), Orford, Quebec, Canada
Fourth Annual Scientific Meeting
"Endocrine radiology"
March 21, 1986

New York University Medical Center, New York, NY
Department of Radiology
Visiting Professor
March 10, 1988

Washington Interventional Radiology Society, Washington, DC
"Laser angioplasty with a dual laser system"
May 18, 1988

Society of Cardiovascular and Interventional Radiology
University of Minnesota, Minneapolis, MN (Joint Sponsors)
Vascular Interventional Laser: Physics, Safety and Clinical Application
"Fluorescence-guided laser angioplasty"
August 27, 1988

Boston University School of Medicine, Boston, MA
Society of Cardiovascular and Interventional Radiology (SCVIR) (Joint Sponsors)
Laser Safety for Radiologists
"Fluorescence-guided laser angioplasty"
November 1, 1988

Jefferson Medical College, Philadelphia, PA and SCVIR (Joint Sponsors)
Laser Certification Course
"Fluorescence-guided laser angioplasty"
January 22, 1989

Society of Cardiovascular and Interventional Radiology
Diagnostic Angiography and Interventional Radiology Course, San Diego, CA
Workshop - "Heparin use in angiography"
March 21, 1989

Society of Cardiovascular and Interventional Radiology
Laser Certification Course, San Diego, CA
"Fluorescence-guided laser angioplasty"
March 24, 1989

Alexandria Hospital, Alexandria, VA
Washington Interventional Radiology Society (Joint Sponsors)
Laser Certification Course
"Clinical experience with the 'smart laser'"
September 8, 1989

National Institutes of Health, Bethesda, MD
Clinical Center Grand Rounds
"Interventional radiology"
November 1, 1989

Mount Carmel Medical Center, Columbus, OH
Thyroid and Parathyroid Disease--Medical and Surgical Management
"Radiological localization of abnormal parathyroid glands"
March 21, 1990

Staten Island University Hospital, Staten Island, NY
Symposium--Lasers in Medicine
"Evolving concepts of laser angioplasty"
April 4, 1990

American College of Surgeons
1990 Clinical Congress, San Francisco
Postgraduate Course--Endocrine Surgery
"The localization of endocrine tumors"
October 8, 1990

Washington Hospital Center, Washington, DC
Surgical Grand Rounds
"Recent advances in localization of endocrine tumors"
January 15, 1991

Medical College of Pennsylvania, Philadelphia, PA
Department of Radiology
"Endocrine disorders of the adrenal gland"
August 7, 1991

Dartmouth Medical School, Lebanon, NH
Dartmouth-Hitchcock Medical Center
Department of Radiology
"Evaluation of the abnormal adrenal gland"
March 30, 1992

American Association of Clinical Endocrinologists
First Annual Meeting & Clinical Congress, Orlando, FL
"Endocrine tumor localization: what to do and when to do it"
May 3, 1992

Mayo Clinic, Rochester MN
Department of Radiology
"Endocrine abnormalities of the adrenal gland"
July 24, 1992

New England Deaconess Hospital, Boston, MA
Department of Radiology
Radiology Grand Rounds
"Islet cell tumors"
October 5, 1992

Indiana University Medical Center, Indianapolis, IN
Department of Radiology
"Radiology of islet cell tumors"
December 15, 1992

Cleveland Clinic Foundation, Cleveland, OH
Department of Radiology
"Endocrine disorders of the adrenal gland"
October 4, 1993

Iowa Radiological Society, Iowa City, IA
Interventional Radiology and Current Trends in Radiology
"Endocrine arteriography and venous sampling"
April 1, 1995

Eastern Virginia Medical School, Norfolk, VA
Department of Radiology
Visiting Professor
October 2 - 3, 1996

Armed Forces Institute of Pathology
Radiologic Pathology Course
"Acquired diseases of the thoracic aorta"
January 28, March 18, 1998

Armed Forces Institute of Pathology
Radiologic Pathology Course
"Acquired diseases of the thoracic aorta"
"Vasculitis"
April 21, July 9, September 23, October 21, 1998
January 27, March 2, May 4, July 21, October 19, 1999

Society of CardioVascular and Interventional Radiology
24th Annual Scientific Meeting, Orlando, FL
Categorical Course: Vascular Diagnosis
"Endocrine angiography"
March 24, 1999

Eastern Virginia Medical School, Norfolk, VA
Department of Radiology
Visiting Professor
October 7 - 8, 1999

Armed Forces Institute of Pathology
Radiologic Pathology Course
“Acquired diseases of the thoracic aorta”
“Vasculitis”
January 28, March 1, May 1, August 24, September 28, 2000

Society of Cardiovascular and Interventional Radiology
26th Annual Scientific Meeting, San Antonio, TX
Workshop: Avoiding the Hazards of Interventional Radiology
“Preventing radiation-induced skin injuries”
March 4, 2001 and March 7, 2001

Armed Forces Institute of Pathology
Radiologic Pathology Course
“Acquired diseases of the thoracic aorta”
“Vasculitis”
January 10, March 22, August 16, 2001

National Naval Medical Center, Bethesda MD
Department of Internal Medicine
Grand Rounds
“Localization of hyperfunctioning endocrine tumors”
June 7, 2001

Armed Forces Institute of Pathology
Radiologic Pathology Course
“Acquired diseases of the thoracic aorta”
“Vasculitis”
January 17, March 20, 2002

Society of Cardiovascular and Interventional Radiology
27th Annual Scientific Meeting, Baltimore, MD
Workshop: Avoiding the Hazards of Interventional Radiology
“Minimizing radiation-induced skin injuries”
April 7, 8 and 10, 2002

Society of Cardiovascular and Interventional Radiology
27th Annual Scientific Meeting, Baltimore, MD
Categorical Course: The role of the FDA in the daily practice of interventional radiology
“The SCVIR Radiation Dose in Interventional Radiology (RAD-IR) study”
April 7, 2002

Society of Cardiovascular and Interventional Radiology
27th Annual Scientific Meeting, Baltimore, MD
Plenary Session: Venous Interventions
“Adrenal venous sampling”
April 11, 2002

American Association of Physicists in Medicine
44th Annual Meeting, Montreal, Quebec, Canada
Continuing Education Session
“Fluoroscopic skin dose measurements”
July 15, 2002

American Association of Physicists in Medicine
2002 Summer School, Montreal, Quebec, Canada
Intravascular Brachytherapy and Fluoroscopically-Guided Interventions
“Interventional radiology—Review of clinical techniques”
July 20, 2002

International Electrotechnical Commission
Subcommittee 62B—Diagnostic imaging equipment
Workshop on Dose Aspects and Digital Techniques, New York, NY
“Radiation doses in interventional radiology and interventional neuroradiology”
January 21, 2003

American Radiological Nurses Association
2003 Spring Educational Meeting, Salt Lake City, UT
“Understanding and managing radiation dose in interventional radiology”
March 29, 2003

American Society of Interventional & Therapeutic Neuroradiology
1st Annual Practicum, Washington, DC
“Avoiding radiation injury”
May 3, 2003

Indiana Interventional Club
Quarterly Meeting, Indianapolis IN
“Avoiding radiation injury in interventional radiology”
August 13, 2003

Transcatheter Cardiovascular Therapeutics (TCT)
15th Annual Meeting, Washington, DC
Course—Radiation Physics and Radiation Safety for Interventional Fluoroscopists
“Clinical management of radiation”
September 18, 2003

International Atomic Energy Agency
 2nd Research Coordination Meeting, Vienna, Austria
 “The RAD-IR study—Implications for the development of reference levels”
 October 20, 2003

American Radiological Nurses Association
 Association of Vascular and Interventional Radiographers
 2004 Spring Educational Meeting, Phoenix AZ
 “Radiation—The good, the bad, and the ugly”
 March 26, 2004

Society of Interventional Radiology
 29th Annual Scientific Meeting, Phoenix AZ
 Categorical Course: Risky Business—Managing IR Health Issues
 “Keeping our patients safe: What does the RAD-IR study mean?”
 March 28, 2004

Radiation Epidemiology Branch
 Division of Cancer Epidemiology and Genetics
 National Cancer Institute, Bethesda MD
 “Patient radiation dose from fluoroscopically-guided interventions”
 July 21, 2004

International Electrotechnical Commission
 Subcommittee 62B—Diagnostic Imaging Equipment, Maintenance Team 38
 National Electrical Manufacturers Association, Arlington VA
 “Common user interface for interventional fluoroscopic equipment”
 September 13, 2004

American Radiological Nurses Association
 Association of Vascular and Interventional Radiographers
 2005 Spring Educational Meeting, New Orleans LA
 “Radiation safety in interventional radiology”
 April 2, 2005

International Atomic Energy Agency
 3rd Research Coordination Meeting, Vienna Austria
 “Effect of Patient Weight on Dose Variation for Interventional Radiology Procedures”
 “Strategies for managing radiation dose”
 June 21, 2005

TCT2005 (Transcatheter Cardiovascular Therapeutics)
 17th Annual Meeting, Washington, DC
 Course—Radiation Physics and Radiation Safety for Interventional Fluoroscopists
 “Clinical management of radiation”
 October 16, 2005

Association of Vascular and Interventional Radiographers
 2006 Spring Educational Meeting, Toronto ON Canada
 "Radiation: The good, the bad, and the ugly"
 April 3, 2006

International Electrotechnical Commission
 Subcommittee 62B—Diagnostic Imaging Equipment,
 Maintenance Team 41—Safety of Interventional Fluoroscopy Equipment
 Erlangen, Germany
 "User interface for interventional fluoroscopy equipment"
 "Adverse events from the U.S. FDA database"
 September 20, 2006

TCT2006 (Transcatheter Cardiovascular Therapeutics)
 18th Annual Meeting, Washington, DC
 Course—Radiation Safety for Interventional Fluoroscopists
 "Clinical management of radiation"
 "Review of malpractice cases"
 October 22, 2006

IV Congreso Internacional de la Sociedad Ibero-latinoamericana de Intervencionismo (SIDI)
 (4th International Congress of the Iberian-Latin American Interventional Society)
 Buenos Aires, Argentina
 "Expert Panel—Vascular Interventions"
 "Radiation protection in interventional radiology: How do we protect ourselves?"
 "Radiation protection in interventional radiology: How do we protect our patients?"
 November 13, 2006

Society of Interventional Radiology
 32nd Annual Scientific Meeting, Seattle, WA
 Maintenance of Certification (MOC) Categorical Course:
 Radiation risk to the interventionalists: The new stuff and the shopping list
 "Patient doses based on type of procedure"
 March 5, 2007
 National Council on Radiation Protection and Measurements (NCRP)
 2007 Annual Meeting, Arlington, VA
 Advances in Radiation Protection in Medicine
 "Overview of contemporary interventional procedures"
 April 17, 2007

New England Society of Interventional Radiology
 Spring Meeting, Boston, MA
 "Patient safety in interventional radiology"
 May 8, 2007

Society of Interventional Radiology
 33rd Annual Scientific Meeting, Washington, DC
 Workshop: Radiation Safety: Important Issues in IR
 “Understanding patient radiation dose measurements”
 March 16, 2008

Association of Vascular and Interventional Radiographers
 20th Anniversary Scientific Meeting, Washington, DC
 “Radiation safety”
 March 20, 2008

National Naval Medical Center, Bethesda MD
 Department of Anesthesia
 Grand Rounds
 “Radiation safety”
 May 1, 2008

American Board of Radiology
 Maintenance of Certification Summit 2008
 Radiation Safety: Development of Practice Quality Improvement Projects, Chicago, IL
 Session Leader, Angiography/Fluoroscopy
 August 9, 2008

International Atomic Energy Agency, Vienna, Austria
 Technical Meeting to review radiation protection guidance for medical workers
 “Radiation protection needs in diagnostic radiology and image-guided interventional procedures”
 November 18, 2008

World Health Organization, Geneva, Switzerland
 Technical Meeting
 Global Initiative on Radiation Safety in Healthcare Settings
 “The American College of Radiology Appropriateness Criteria[®]”
 December 16, 2008

International Atomic Energy Agency, Vienna, Austria
 Information System on Occupational Exposure in the Medical, Industrial and Research Areas (ISEMIR)
 Working Group on Interventional Cardiology
 “Occupational exposure in interventional cardiology in the USA and Canada”
 February 5, 2009

Society of Interventional Radiology
34th Annual Scientific Meeting, San Diego, CA
Workshop: Radiation Safety in IR: Protect You and Your Patient
“Understanding patient radiation dose measurements”
March 8 & 10, 2009
Safety and Management of Risks in Interventional Radiology
“Patient safety in interventional radiology”
March 9, 2009

Society of NeuroInterventional Surgery
6th Annual Meeting, Boca Raton, FL
Didactic Session—Radiation Safety
“Patient Safety”
“Operator Safety”
July 31, 2009

International Atomic Energy Agency
Information System on Occupational Exposure in the Medical, Industrial and Research
Areas (ISEMIR)
Working Group on Interventional Cardiology
Vienna, Austria
“Preview of the CIRSE-SIR international guideline on radiation protection for operators”
October 5, 2009

Society of Interventional Radiology
35th Annual Scientific Meeting, Tampa, FL
Workshop: Radiation Safety in IR: Protect You and Your patient
“Patient radiation dose management”
March 15 & 17, 2010
Women’s Health
“Radiation management in pregnancy”
March 16, 2010

Conference of Radiation Control Program Directors
42nd National Conference on Radiation Control, Newport, RI
“Reducing occupational hazards in the interventional laboratory”
April 19, 2010

American Statistical Association
2010 ASA Conference on Radiation & Health, Annapolis, MD
Radiation Exposures in Medicine: Biological and Public Health Significance
“Challenges in occupational dosimetry for interventional fluoroscopy”
June 13, 2010

Center for Devices and Radiological Health
 Food and Drug Administration, Silver Spring, MD
 Radiological Health Seminar Series
 “Interventional Fluoroscopy”
 September 9, 2010

Hong Kong Radiological Protection Society
 Annual General Meeting, Hong Kong
 “Radiation protection in interventional cardiology”
 September 29, 2010

Hong Kong College of Radiologists and the University of Hong Kong
 Seminar on Radiological Protection in Medicine, Hong Kong
 “Radiation protection in interventional radiology and cardiology”
 October 2, 2010

SIR Foundation, Herndon, VA
 Research Consensus Panel for Optimizing Radiation Use during Fluoroscopic Procedures
 “Collecting and analyzing data on radiation use during fluoroscopic procedures”
 October 25, 2010

Division of Cardiovascular Devices
 Office of Device Evaluation
 Center for Devices and Radiological Health
 Food and Drug Administration, Silver Spring, MD
 “Radiation Safety”
 September 29, 2011

American College of Radiology, Washington, DC
 1st Annual ACR Imaging Informatics Summit and Dose Monitoring Forum
 “FDA perspective on radiation dose monitoring”
 November 4, 2011

National Academies of Science, Washington, DC
 Nuclear and Radiation Studies Board
 2011 Gilbert W. Beebe Symposium—
 Tracking Radiation Exposure from Medical Diagnostic Procedures
 “Why and how to track radiation exposure”
 December 8, 2011

National Council on Radiation Protection and Measurements (NCRP)
 2012 Annual Meeting, Bethesda, MD
 Emerging Issues in Radiation Protection in Medicine, Emergency Response, and the
 Nuclear Fuel Cycle
 “Efforts to optimize radiation protection in interventional fluoroscopy”
 March 12, 2012

Health Physics Society, Baltimore-Washington Chapter
 2012 Annual Meeting, Rockville, MD
 “Efforts to optimize radiation protection in interventional fluoroscopy”
 May 11, 2012

Center for Devices and Radiological Health
 Food and Drug Administration, Silver Spring, MD
 Public Meeting—Device Improvements for Pediatric X-Ray Imaging
 “Prioritizing device improvements: importance of consensus recommendations from end users”
 July 16, 2012

American College of Radiology, Washington, DC
 2nd Annual ACR Imaging Informatics Summit and NRDR User Group meeting
 “FDA perspective on radiation dose monitoring”
 November 12, 2012

World Health Organization
 Workshop—Radiation Risk Communication in Paediatric Imaging, Bonn, Germany
 Co-chair
 December 2, 2012

American Board of Radiology Foundation
 2nd National Summit on Safe Use in Medical Imaging, Bethesda, MD
 Safe and Appropriate Medical Imaging: Partnering for a Patient-Centered Approach
 “Summary and next steps”—Panelist
 March 8, 2013

Interagency Steering Committee on Radiation Standards
 2013 Public Meeting, Washington, DC
 “FDA's efforts to promote a national patient radiation dose registry”
 May 1, 2013

World Health Organization
 Global Initiative on Radiation Safety in Healthcare Settings
 Expert Meeting on Radiation Risk Communications, Geneva, Switzerland
 “Appropriate use of radiation in pediatric imaging”
 September 9, 2013

World Health Organization
 Global Initiative on Radiation Safety in Healthcare Settings
 International Consultancy, Geneva, Switzerland
 “The Bonn Conference and its Call for Action: enhancing implementation of optimization of protection and safety”
 September 10, 2013

Pan American Health Organization
World Radiology Day 2013
“The role of regulators in protecting and promoting public health in radiology”
November 8, 2013

National Council on Radiation Protection and Measurements (NCRP)
2014 Annual Meeting, Bethesda, MD
NCRP: Achievements of the Past 50 Years and Addressing the Needs of the Future
Session Chair, Radiation Protection in Medicine
March 11, 2014

National Capital Consortium Diagnostic Radiology Residency Program
Walter Reed National Military Medical Center, Bethesda, MD
“Managing Radiation in Fluoroscopy and Interventional Radiology”
May 22, 2014

Health Physics Society
59th Annual Meeting, Baltimore, MD
“Expectations for patient dose tracking”
July 16, 2014

Cardiovascular Research Foundation
Radiation dose exposure: Developing objective measurement tools and standards,
Washington, DC
“Benchmarking clinical procedures”
September 12, 2014

TCT 2014 (Transcatheter Cardiovascular Therapeutics)
26th Annual Meeting, Washington, DC
Radiation Course
“Radiation quality management and peer review”
September 16, 2014

National Capital Consortium Diagnostic Radiology Residency Program
Walter Reed National Military Medical Center, Bethesda, MD
“Managing Radiation in Fluoroscopy and Interventional Radiology”
November 20, 2014

Division of Cardiovascular Devices, Office of Device Evaluation
Center for Devices and Radiological Health
Food and Drug Administration, Silver Spring, MD
Clinical Rounds
“Radiation Safety”
March 12, 2015

Asociación Académica de Diagnóstico e Intervencionismo Radiológico
II Congreso Internacional de Radiología Intervencionista y
Neuroradiología Intervencionista
Second International Congress of Interventional Radiology and Interventional
Neuroradiology, Lima, Peru
“Biological Effects of Radiation”
“Radiation Protection in Interventional Radiology”
May 14-16, 2015

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2. Gadde PL, **Miller DL**, Lees DE, MacNamara TE. Alcohol celiac plexus neurolysis; different approaches, new trends.
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3. **Miller DL**, Rayner AA, Girton M, Doppman JL. CT evaluation of hepatic and splenic trauma with EOE-13: an experimental study in monkeys.
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51. Vano E, **Miller DL**, Rehani M. ICRP Committee 3 overview (Protection in Medicine). European Congress of Radiology. Vienna, Austria. March 2014. [Poster available at: http://www.eurosafeimaging.org/wp/wp-content/uploads/2014/02/ICRP_Eurosafe-Imaging-Poster.pdf]
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53. Keith LS, Sears ST, Bower MW, Boyd MA, Hamdy RC, Elmore CL, Fletcher DW, Hill DG, **Miller DL**, Paunovich ED. New U.S. radiation protection guidance for diagnostic and interventional x-ray procedures. Health Physics Society. 59th Annual Meeting. Baltimore, MD. July 2014.
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EXHIBITS

1. Rosen RJ, **Miller DL**, Imparato AM, Riles TS: Percutaneous phenol sympathectomy. Radiological Society of North America, 68th Scientific Assembly and Annual Meeting November 1982.
CERTIFICATE OF MERIT
2. Gadde PL, **Miller DL**, Lees DE, MacNamara TE: Alcohol celiac plexus neurolysis - Different approaches, new trends. 37th Postgraduate Assembly, New York State Society of Anesthesiologists. December, 1983.
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