

Format: University of Kentucky School of Medicine

CURRICULUM VITAE

1. Name: KIMBERLY E. APPEGATE, MD, MS, FACR, FAAWR, FAAP, FAUR (FSCBTMR)

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Most Recent Address:

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4. Citizenship: American

5. Most recent titles and affiliations: 01/17-05/02/2019

- a. Academic appointments: Professor with tenure of Radiology
Professor of Pediatrics

- b. Clinical appointments: Physician Member, UKMF
Physician Member, Kentucky Children's Hospital (KCH)
Physician Member, Good Samaritan Hospital

- b. Administrative appointments: Division Chief of Pediatric Radiology (resigned 01/2019)
Radiology Quality Liaison for the KCH (resigned 01/2019)
Radiology Medical Director, Shriners' Hospital for Children
Dept of Radiology, University of Kentucky School of Medicine

6. Previous Academic and Professional Appointments:

- 05/09-01/17 Professor of Radiology with tenure, and Professor of Pediatrics, Emory University School of Medicine
- 07/07-05/09 Professor of Radiology with tenure, Indiana University School of Medicine
- 07/07-05/09 Professor of Pediatrics
- 09/01-07/07 Associate Professor of Radiology, Indiana University School of Medicine
- 09/01-05/09 Director of Pediatric Radiology Research, Dept Radiology IU
- 09/01-05/09 Affiliated Research Scientist, Regenstrief Institute for Health Care
- 07/98-07/01 Assistant Professor of Radiology, Case Western Reserve University School of Medicine
- 01/97-08/98 Assistant Professor of Radiology, The Cleveland Clinic Foundation Health Services Center of the Ohio State University [note: most staff members of the Cleveland Clinic Foundation do not seek academic affiliation]
- 07/94-07/95 Instructor in Radiology, Children's Hospital, Boston and Harvard Medical School
- 07/92-07/93 Instructor in Radiology, Dartmouth-Hitchcock Medical Center

7. Previous Administrative and/or Clinical Appointments:

05/09-07/12	Vice Chair of Quality and Safety, Dept of Radiology, Emory University School of Medicine
2007-05/09	Director, pediatric radiology services, Methodist Hospital
09/01-05/09	Staff, Riley Children's Hospital and Methodist Hospital of Indiana University, Indianapolis, IN
07/98-07/01	Staff, University Hospital and Rainbow Babies & Children's Hospital of the Case Western Reserve University School of Medicine, Cleveland, OH
07/96-08/98	Associate Staff in Radiology, Cleveland Clinic Foundation, Cleveland, OH
07/95-07/96	Assistant Staff in Radiology and Pediatrics, Cleveland Clinic Foundation, Cleveland, OH
07/94-07/95	Clinical Fellow and Staff Member, Brigham & Women's Hospital and Beth Israel Hospital, Boston, MA
07/93-07/95	Clinical Fellow and Staff Member, Children's Hospital, Boston, MA
07/92-07/93	Radiologist and Staff Member, Speare Memorial Hospital, Plymouth, NH (trainee)

8. Licensures/Boards:

2017-2020	Kentucky State License Registration (4/1/2020)
2009-2018	Georgia State License Registration
1997-2010	Indiana and Pennsylvania State License Registrations
1995-03	Ohio State License Registration
1993,2009	Pediatric Advanced Life Support Certification
1993-5	Massachusetts State License Registration-trainee
1989	New Hampshire State License Registration-trainee
1989	National Board of Medicine, Parts 1, 2 and 3

9. Specialty Boards:

2015-2020	MOC, continuous certifying exam, diagnostic radiology and pediatric radiology (up-to-date 2020)
2005	Board recertification, diagnostic radiology and pediatric radiology
1995	Certificate of Added Qualification in Pediatric Radiology
1993	American Board of Radiology Certification

10. Education:

09/98-05/01	M.S., Case Western Reserve University, Epidemiology and Biostatistics/Health Services Research Track, Cleveland, OH (supervisor Randy Cebul, MD)[while employed at CWRU Rainbow Babies Children's Hospital; federal study grant]
08/84-05/88	M.D., George Washington University Medical School, Washington, DC
09/80-06/84	B.A. Chemistry, University of California, Berkeley, CA
09/79-04/80	Rotary International Exchange, Lycee Jean Moulin, Draguignan, France

11. Postdoctoral Training:

09/2019	NCI Radiation Epidemiology and Biology Course (certificate)
05/17-05/19	PALS certification, ACLS certification
02/17-02/19	BLS certification
12/16-12/18	FDA online module on federal employee conflict of interest and federal statutes (annual)
11/15-11/18	Recertification, CITI certification for biomedical clinical research
07/13	Radiology Leadership Institute-Kellogg Leadership Development Program, at Northwestern University. Evanston, IL, July

- 09/09 Teaching Mentors and Departments How to Mentor, Emory School of Medicine program
- 09/09-01/10 Woodruff Leadership Academy, Emory University Health Sciences
- 08/09-11/09 **Intermountain Healthcare Advanced Training Program in Health Care Delivery Improvement (ATP course, Brent James), Salt Lake City, UT**
- 10/06-03/07 Leading Change in Academic Medicine, IU invited faculty development program
- 01/00-04/00 Physician Executive Institute Management Course, Part 1, Weatherhead School of Management, Case Western Reserve University, Cleveland, OH
- 09/98-04/99 RSNA Advanced Course in Grant Writing, RSNA Headquarters, Oak Brook, Ill
- 07/93-07/95 Pediatric Radiology Fellowship, Children's Hospital, Boston, MA
- 07/92-07/93 **Chief Resident** in Radiology, Dartmouth-Hitchcock Medical Center, Lebanon, NH
- 12/90 AUR, ARRS and RSNA grant for **first annual Introduction to Research Program** for radiology residents, RSNA mtg, Chicago, Ill
- 07/89-07/92 Diagnostic Radiology Residency, Dartmouth-Hitchcock Medical Center, Lebanon, NH
- 07/88-07/89 Internal Medicine Internship, Berkshire Medical Center, Affiliate of University of Massachusetts Medical Center, Pittsfield, MA

12. Government or Military Service:

- a. National Council for Radiation Protection, elected member of Council, 03/2006-present
- b. FDA panel member for CT-colonography safety review, 07/2013
- c. FDA Medical Imaging Drug Advisory Committee (MIDAC) member, 08/2015-present
- d. MIDAC mtg to discuss free gadolinium brain deposition during MR imaging, 9/2017
- e. National Academy of Sciences Beebe Symposium participant, 5/2019

13. Committee Memberships:

a. National and International:

Academy for Radiology Research, 2004-

- 2012- Council of **Distinguished Investigators**
- 2005-7 Nominating committee member
- 2004-7 Member, **Board of Directors** (representing AAWR)

American Academy of Pediatrics, FAAP, 1998-

- 2009 Imaging of child abuse policy statement update (chair, Paul Kleinman)
- 2009-12 Sinusitis guideline update committee (chair, Ellen Wald)
- 2007 Faculty, annual mtg
- 2006 Faculty, annual mtg
- 2005 FDA retreat, radiological health mtg, Gaithersburg, MD, Oct 31-Nov 1
- 2005 Draft resolution for decreasing radiation dose to children with pediatric-specific CT protocols, state AAP chapter (with Dr. Ann Eliades)
- 2004-7 Legislative liaison for the section on radiology
- 2004 Faculty, annual meeting, Oct
- 2003 Faculty, annual meeting, Oct
- 2003-9 State AAP contact for public communication-imaging for children
- 2003-9 AAP District liaison for imaging questions in children
- 2002-8 **Executive committee, section on radiology**
- 2002 Faculty, annual meeting, Oct
- 2001-3 Nominating committee, section on pediatric radiology
- 1998- Specialty Fellow
- 1996-2001 American Academy of Pediatrics Child Abuse Committee - State of Ohio

American Association for Physicists in Medicine (AAPM), 2006-

- 2021 Abstract reviewer, annual mtg
- 2019- Task Group 343, Fluoroscopy dose management (chair, Ryan Fisher)
- 2019 **Honorary Member Award** at annual mtg, San Antonio, Tx, Jul
- 2019 Faculty, annual mtg
- 2017- Pediatric Imaging Subcommittee on Curriculum (PISC, chair Sam Brady to 2018; Sarah McKenney) as liaison to SPR
- 2016-19 Task Group 293, Head CT SSDE (chair, John Boone)
- 2013, 2017 Faculty, annual mtg
- 2009-13 Imaging Physics Curricula Subcommittee (diagnostic radiology residents)
- 2009 Reviewer, physics web module on radiation effects, education for radiology residents, with RSNA (chair, Karen Brown)
- 2008 Invited speaker at first annual workshop on teaching physics to residents, AAPM annual mtg, Houston, TX (chair, Dr. Hendee)
- 2008-9 Co-author, physics web module on radiation safety for residents, with RSNA (chair, Donald Peck)
- 2006-9 Review committee, physics curriculum for diagnostic radiology residents (chair, Phil Heintz, mtg 1/2007); retreat, St. Louis, Jan

American Association for Women Radiologists, 1990-current

- 2019 Statement of Support for Paid Family Leave for Trainees
- 2017 Fellow, AAWR (honor at RSNA, Dec)
- 2017 Speed mentoring program at ACR annual mtg
- 2016 Strategic planning, at ACR annual meeting
- 2015 Marie Sklodowska Curie Award
- 2012-3 Nominations and ACR Committees
- 2011-12 Nominations, ACR, and Executive Committees
- 2010 Invited lunch speaker 'Radiology Quality and Safety: A Journey' at the SPR annual meeting, Boston, Apr
- 2006-11 ACR Councilor and chair, ACR committee
- 2006 Chair, Awards committee
- 2005 Chair, Nominating Committee
- 2004 **Chair, Research & Education Foundation**; chair, strategic planning comm
- 2003 **President**
- 2002 President-elect
- 2002 Program Committee Chair
- 2002-3 Vice President, Research and Education Foundation
- 2001 Vice President, Executive Committee
- 2001-8 Director, Research and Education Foundation
- 2001-6 Chair, By-laws committee
- 2001 Member, New Management Task Force
- 2001-6 Finance and long range planning committee
- 2000- Publication Committee
- 1999-2006 Internet web site Committee
- 1999-2000 Secretary, Research and Education Foundation
- 1998-2000 Secretary, Executive Committee
- 1998-9 Membership Committee
- 1998-2005 Program Committee
- 1997-2008 Research and Education Foundation, board of directors
- 1997 Ad Hoc member, Executive Committee
- 1996 Member-at-large in diagnostic radiology, Executive Committee

- 1996-2002 **Founder and Chair, Childcare Committee (coordination of first ever children care program at national meetings of ARRS and RSNA, 1998)**
- 1996-8 Finance and Long Range Planning Committee
- 1996-07 Corporate Support Committee
- 1995 Mentoring Committee
- 1992-5 Women's Issues Committee
- 1993-5 Member-in-Training Committee Chair
- 1992-5 Member-In Training Committee
- 1991-5 Member-in-Training representative to Executive Committee
- American Board of Radiology, 2000-current
- 2012-3 PQI MOC physician survey (with Pina Sanelli)
- 2010 Written diagnostic exam annual review retreat, critical thinking items chair, Jan
- 2010 **Lifetime Service Award**
- 2009 Examiner, Pediatric Section, Oral Board Examination, Louisville, KY, Jun
- 2007-10 Maintenance of Certification, general content, quality and safety exam committee member (chair, Deb Baumgarten)
- 2007 Examiner, Pediatric Section, Oral Board Examination, Louisville, KY, Jun
- 2007 Written diagnostic exam annual review retreat, critical thinking items chair, Jan
- 2006 Written diagnostic exam annual review retreat, critical thinking items chair, Jan
- 2005 Examiner, Pediatric Radiology Certificate of Added Qualification, Nov, Louisville, KY
- 2005 Written diagnostic exam annual review retreat, critical thinking items chair, Jan
- 2005-6 ABR Written Diagnostic Exam Committee on question item writing, molecular imaging
- 2004 Written diagnostic exam annual review retreat, critical thinking items chair, Jan
- 2004 Examiner, Pediatric Section, Oral Board Examination, Louisville, KY, Jun
- 2003 Examiner, Pediatric Section, Oral Board Examination, Louisville, KY, Jun
- 2002-6 ABR Written Diagnostic Exam Committee on question item writing, pediatric radiology section
- 2002-10 ABR Written Diagnostic Exam Committee on question item writing, critical thinking skills section
- 2001 Examiner, Pediatric Section, Oral Board Examination, Louisville, KY, Jun
- 1999-2010 **Creator and Chair, Critical Thinking Committee** of the ABR Written Diagnostic Exam
- American College of Physicians, 2005-2014
- 2005-7 Reviewer, ACP Journal Club reviewer for radiology articles (**McMaster Online Rating of Evidence (MORE)**)
- American College of Radiology, 1989-current
- 2018 RLI faculty at state chapter mtg, Pennsylvania
- 2018-19 Member, Commission on Women and Diversity
- 2018-19 Member, Commission on Leadership
- 2018 Faculty, annual mtg
- 2016-17 Member, practice parameter revision on the pregnant patient
- 2017 Governance Committee; Diversity Commission's AMSA Mentor program pilot member ('forMD')
- 2017 Faculty, annual mtg
- 2015-8 Member, **Image Wisely Executive Committee** (ACR liaison)
- 2015-8 **Elected to the Board of Chancellors**; member, Leadership Commission, Women and Diversity Commission; Pediatrics Commission; Pediatric Research Committee

- 2015-6 Co-chair, practice parameter revision, Pediatric Enema (with Peter Strouse)
- 2013-8 Bylaws committee
- 2013-5 Member, Audit Committee (2013-15), Commission on Government Relations (2013-2015), Commission for Women and General Diversity; Pediatric Imaging Research Committee
- 2013-4 CEO search Committee
- 2012-14 Member, JACR review committee for HSR best article award
- 2012-4 Industry collaboration mtgs, Reston, Sept, May
- 2012-19 Harvey L. Neiman Health Policy Institute board member
- 2012-4 Co-Chair, CSC Division of the Radiology Leadership Institute (RLI) Fund Campaign
- 2012-19 Faculty, Radiology Leadership Institute (RLI)
- 2012-4 Participant in ACR Forum, Washington DC, Jun
- 2011-15 **Elected Vice Speaker; 2013-2015 Speaker, ACR Officer, Member, Executive Committee and Board of Chancellors; Budget and Finance Committee; Council Steering Committee**
- 2011-13 Bylaws comm.; Commission on Membership and Communications; Commission on Molecular Imagng; Commission on Quality and Safety; Strategic and scenario planning TF; CSC works groups 1-4; working group on the Global Summit on Radiological Quality and Safety (GSRQS); Committee on Imaging Health Policy and Research-Economics
- 2011-5 Co-chair, ACR 2015 All Member Meeting Planning Comm (with Paul Ellenbogen)
- 2010-11 Vice Chair Commission on Quality and Safety, for guidelines and standards
- 2010-12 Councilor, Georgia Radiological Society
- 2010 Faculty, MR body imaging course, AMCLC, May
- 2010 **Gold Medal, Indiana Radiological Society, April**
- 2010 Task force, integrating IT into radiology quality and safety
- 2010 Task Force, young physician members, commission on membership (chair, Amy Kirby)
- 2009-11 Task force on ethics and conflict of interest policy development (chair, Lenny Berlin)
- 2009-11 Re-elected by Council to the **Council Steering Committee**; member, working group I for CSC
- 2008-10 Chair, Membership engagement committee
- 2008 Faculty and moderator, Intersociety Summer Conference, Lake Tahoe, CA, Jul
- 2007-8 Chair, Task Force on Member Engagement
- 2007-15 Elected by Council to the **Council Steering Committee**
- 2007-10 Member, Governance Subcommittee of the CSC (chair, P. Ellenbogen); chair, subcommittee on reassessment of role of caucuses
- 2007 Chair, reference committee IV at annual mtg
- 2007-8 Pilot testing/informatics work group of the metrics committee (chair, Bob Pyatt)
- 2007-8 Representative to the NQF (National Quality Forum)
- 2006-8 Member, Blue Ribbon Panel on radiation dose (chair, Steve Amis)
- 2006-10 Member, Pediatric Radiology Commission
- 2006-9 Chair, safety committee, pediatric commission
- 2006-8 Proposal for new guideline on pregnancy screening; co-chair guideline drafting committee (with Lou Wagner)
- 2006 ACR representative, ICRP draft stakeholder's mtg, Bethesda, Aug
- 2006 Faculty, Intersociety Summer Conference, Banff, Jul
- 2006-7 Co-Chair, CR/DR draft guideline committee
- 2005-11 Patient radiation safety committee, (chair, D Kushner); retreat, Jan, Chicago
- 2005-7 **Metrics Committee for P4P** (chair, Steve Swensen); retreat Jan, Washington, DC

- 2005 Reference Committee I member, annual mtg
2005-9 Alternate councilor, Indiana chapter
2005 Chapter leaders mtg, appropriateness of imaging and preferred imaging provider resolution, Chicago, 2/26
- 2004 **Elected Fellow of the ACR**
2004-6 **College Nominating Committee (elected position); co-chair 2004; chair 2005**
- 2004-2010 Councilor, representing AAWR
2004-5 Quality Task Force working group on technical standards and guidelines
2004-6 Committee on Pediatric Radiology
2004-6 **Chair, National Standards and Guidelines Committee**, Commission on General and Pediatric Radiology
- 2004-12 Economics committee on HOPPS/APCs (chair Jim Rawson)
2004-9 Annual meeting lobby day participant, Congress members from Indiana
2004 Moderator and speaker, AAWR annual breakfast to celebrate new women fellows of the ACR
- 2004 Faculty, Intersociety Summer Conference, Quebec City, Jul
2004-8 **Board of directors, RADPAC** (radiology political action committee); task force on advisory committee guidelines 2005
2004-8 Committee on Radiologist Resources (chair, H. Forman)
2004-6 **Executive Committee and program planning, Intersociety Summer Conference**
- 2003-4 Alternate councilor, representing AAWR
2003-4 Subcommittee chair, DIXIT committee for annual resident in service exam item writing (critical thinking skills and core competencies)
- 2003-8 Member, Committee on quality and safety (chair, John Smith)
2003 Faculty, Intersociety Summer Conference, Pasadena, CA, Aug
2003 Moderator, work group discussions, Intersociety Summer Conference, Pasadena, CA, Aug
- 2003-4 Critical thinking skills item writing chair for the radiology resident in service exam
2003-4 Collaborative research group: survey of whole body CT screening centers in the USA (J Sunshine, H Forman)
- 2003-5 Collaborative research group: how gender influences medical student selection of radiology and radiation oncology specialties (J Sunshine, H Forman)
- 2003-8 Commission on Quality and Safety (formerly the national standards and accreditation committee)
- 2002-8 Member, Research and Technology Assessment Commission
2002-5 Chair, committee on education for the commission on general and rural practices
2002-5 Member, commission on education
2002-6 Member, commission on general, small and rural practices
1999-2003 National Standards and Accreditation Committee, Commission on General and Pediatric Radiology
- 1998 State of Ohio Committee on Education and Planning
1997-8 National Task Force on Continuous Professional Improvement, Pediatric Radiology module development
- American Roentgen Ray Society, 1989-current
2013-7 PQI subcommittee (chair, Nadja Kadom)
2012 PQI module series co-editor on CT dose reduction (with Jim Brink): head, neck, spine, chest, and abdomen CT web modules
- 2010 Faculty and moderator, annual meeting, evidence-based imaging course
2008 Faculty, annual meeting, Evidence-based Medicine mini-course
2007 Faculty, annual meeting, Evidence-based Medicine mini-course

2004-6 Strategic Resource Management Committee member; mtg retreat Chicago, Sept
2004 Scholar award candidate interviews, Detroit, Jan
2003 Think tank leadership retreat, Oct
2003 Moderator, Tuesday Pediatric Scientific Session, Annual Meeting
2003 Educational Evaluation Subcommittee, Annual Meeting
2003 Scholar award candidate interviews, Detroit, Jan
2002-2007 National Research Committee
2002 Educational Evaluation Subcommittee, Annual Meeting
2002 Moderator, Panel discussion on 'The 24/7 Workforce Issues', 2002 annual meeting, Atlanta, May 3
2001 Moderator, Pediatric Scientific Session, Annual Meeting
2001 Educational Evaluation Subcommittee, Annual Meeting
2000-3 Scientific Program Subcommittee, Pediatric section (chair, 2002-3)
2000 Lobby Congress for Academy of Radiology Research, ARRS Annual Meeting (Representative Stephanie Tubbs-Jones Office)
2000 Educational Evaluation Subcommittee, Annual Meeting
2000 Moderator, Pediatric Abdominal Scientific Session, Annual Meeting
1999 Moderator, Pediatric Scientific Session, Annual Meeting

Association for University Radiologists (AUR), member 2000-

2020 Elected **Fellow of the AUR** (inaugural class)
2017 Faculty, annual mtg; junior faculty mentor (Kristine Blackham; Matt Alvin)
2015 **Gold Medal Award**
2014-7 AUR liaison to AMA Women Physicians Section
2016 Faculty, annual mtg; junior faculty mentor
2014 Faculty, annual mtg; junior faculty mentor (Susannah Spence)
2013 Faculty, annual mtg; junior faculty mentor
2012 Faculty, annual mtg; junior faculty mentor
2012-17 Liaison to NCRP, AMA delegate
2011-2018 **President, Research and Education Foundation**
2010 Faculty, Professionalism panel discussion and moderator; program director and faculty at quality mini course; AUR/APDR annual meeting
2009- Member, Research and Education Foundation Board of Directors
2009 Junior faculty mentor, (Jenny Kohr)
2009 Chair, Nominating Committee
2008 President
2008-9 **Strategic Planning** (first ever) for AUR (retreat, October)
2008-9 Member, **Board of Directors, APDR** (Association for Program Directors in Diagnostic Radiology)
2008-9 Member, **Board of Directors, APCR** (Association for Program Coordinators in Diagnostic Radiology)
2008 Faculty, Phillips program for junior faculty development (lifestyle issues)
2007 President-elect and Program Chair
2008 Co-director, new informatics course (in collaboration with the RSNA RIC, David Avrin, Curt Langlotz)
2007 Faculty, RAHSR advanced topics, the STARD initiative and critical review of the literature
2007 Faculty, Phillips program for junior faculty development
2006 Vice President
2006-09 AUR-RSNA collaborative program planning committee (chair, Scott Gazelle)
2006 Faculty, annual mtg
2006 Creator and co-director, imaging physics course for residents for 2007 annual mtg

- 2005 Secretary/Treasurer
- 2005-9 Membership committee chair; finance committee, development committee; Program planning committee; long-range planning committee
- 2005 Faculty, APCR, APDR, RASHR programs on how to teach evidence-based medicine journal clubs for radiology residents—**first SAM at AUR mtg**
- 2005 Moderator, annual meeting
- 2004-9 Awards committee; chair Memorial award selection 2005-6
- 2004-8 Symposium committee
- 2004 Faculty, SCARD panel program on demographics of academic radiology
- 2004 Moderator, seminar on critical thinking skills
- 2004 Faculty, 2nd annual seminar on critical thinking skills
- 2003-9 Scientific program committee
- 2003-8 AUR representative to RVS Update committee (RUC) of AMA
- 2003 **Course development & director, first annual seminar on critical thinking skills for radiology residents and faculty**
- 2003 Moderator, pediatric musculoskeletal imaging scientific session, annual mtg
- 2003 Faculty, 2nd annual seminar for introduction to academic radiology management (Kodak)
- 2003 Moderator, Critical thinking skills seminar, annual mtg
- 2003 Moderator, AUR Research symposium on health services research, Thurs, annual mtg
- 2002 **Faculty, 1st annual seminar for introduction to academic radiology management (Kodak)**
- 2001-18 Board of Directors Member**
- 2002-9 Program Planning Committee
- 2002-9 Memorial Award selection committee
- 2002-8 AAMC women’s liaison officer for AUR
- 2001-2 Member, program committee and participant selection committee for development of symposium on introduction to radiology management, annual mtg, 2002, Apr, Phoenix

- EURAMED, 2019-2019-22 Member, Advisory Board (WP 7), EURAMED strategic research agenda update for Horizon2020 ROCC-N-ROLL (3 year project)
- 2020-2022 Member, WP 4, chair Alan Tkaczyk ‘Examining opportunities, challenges, and caveats for digitization’ and also including task 4.3 chair Susan Molyneux-Hodgson on patient-related and ethical aspects of AI; (3) task 3.4, chair Claudio Granata—‘the needs of research in radiation application and corresponding radiation protection in paediatric patients, pregnant women, chronic diseases and screening programmes by identifying gaps and possibilities’;
- 2019- Liaison to MEDIRAD stakeholder forum; Liaison to ESR radiation safety committee (chair, Reinhard Loose)

- European Society of Radiology, (ESR), 2019-2020 Invited presenter and moderator, ECR annual mtg, Vienna, Mar EuroSafe poster; EuroSafe imaging steering committee mtg (chair, Guy Frija)
- 2019- Affiliate membership (no dues)
- 2017- Member, subcommittee on radiation safety (chair, R Loose)

- International Atomic Energy Agency, (IAEA), 2010-

- 2021- Program comm, moderator, speaker virtual TM 'Developing Effective Methods for Radiation Protection Education and Training of Health Professionals', (chair, Jenia Vassileva), March
- 2010- Expert site visitor/lecturer to multiple programs on radiation protection—some located at Vienna headquarters, most in other countries

Image Gently Campaign, 2007-(from inception)

- 2019- Translation group for posters (Fred Fahey, Ted Treves, Robin)
- 2017- Steering Committee member, Chair international outreach
- 2015-17 Member of strategic planning, Chair of Advocacy and Awareness Committee; Chair of International Committee; Liaison with World Federation of Pediatric Imaging Executive Committee (WFPI); webinar on safety culture in radiology as part of series sponsored by NY Department of Health; member of 2015 "Think-A-Head Campaign" initiative for decreasing CT in pediatric Minor Head Trauma; review of the European pediatric DRL document; review of 2015 Joint Commission proposed safety goals; Image Gently international overview article for South African J. Radiology special issue commemorating International Day of Radiology (2015 Pediatric focus); Image Gently lecturer for IAEA live, recorded webinars at RPOP (2/2017, 4/2017);
- 2007- **Founding member, Steering Committee** (outreach chair, international outreach chair); *meeting every 2 weeks through 2015; then monthly*

Image Wisely Campaign, 2015-2018

- 2015-18 **Member, Executive Committee** (*meeting every 4 weeks*)
- 2016 Radiation Safety Case on the Pregnant Patient, co-author Penny Butler

International Congress of Radiology, 2003-4

- 2004 Faculty, CT imaging of children with acute abdominal pain, Montreal, June
- 2004 Moderator, special session on the future of pediatric imaging, Montreal, June

International Council on Radiation Protection, 2007-

- 2019-22 Member, **Advisory Board, EURAMED strategic research agenda** update for Horizon2020 (3 year project)
- 2019- Liaison to **MEDIRAD stakeholder forum**; Liaison to ESR radiation safety committee (chair, Reinhard Loose)
- 2018- Task Group member: TG107 (Main Commission mandate to guide on patient RP; TG108 (C3 mandate on optimization for DR, FL, and CT), TG109 (C3/C4 medical RP ethics), TG113 (C3/C2 on RP dosimetry for CT, DR, and fluoro)
- 2017-2021 Member, Main Commission ICRP**, finance review comm (2017-19)
- 2017-2021 Chair, ICRP Committee 3 (elected)**
- 2017-2019 Member, Task Group 104, environmental aspects of radiation protection
- 2013-2021 Member, ICRP Committee 3 (medicine), re-elected 2017-2021**
- 2007-9 Co-author, Protecting children: diagnostic techniques involving ionizing radiation (chair, Hans Ringertz)

International Society of Radiology, (ISR) 2014-2017

- 2014-2016 Member of Working Groups on Optimisation and on Incident Reduction of the ICR-QS (chair, Lawrence Lau to 2017; co chairs Don Frush and Guy Frijas 2017-)

National Council on Radiation Protection, 2006-

- 2021- Appointed member, SC4-12 of PAC4 'Risk management stratification of equipment and training for fluoroscopy' (chair, Steve Balter)
- 2019-2025 Re-elected member to Council; member PAC-4, medicine
- 2018 Speaker and Moderator, annual meeting session
- 2014- Member, PAC-4 medicine issues
- 2010 Invited speaker, 2010 annual meeting, Mar, DC
- 2009 Participant, Radiation protection issues in CT use in emergency medicine workshop, Sept, Washington DC
- 2009-2010 Program planning committee for 2010 mtg; section leader for new media communication methods
- 2007- **Elected member to Council; re-elected 2013 and 2019**
- 2006-11 Committee member, Second cancers and cardiopulmonary effects after radiotherapy in children, SC-1-17 (chair Lois Travis)

National Quality Forum (NQF), 2014-

- 2018- Patient safety steering committee, expert consultant
- 2015 Pediatric measures committee
- 2014-18 Patient safety steering committee (renewed 2016)**

Radiation Research Society (RRS), 2018-

- 2021 Annual mtg co-moderator COVID RTx (with Marc Mendonca)
- 2020 Program planning committee for 2021 mtg, Puerto Rico, Oct 2-6, President, Sally Amundsen; CRH subcomm planning, chair Jonine Bernstein;
- 2018 Meeting attendance, Chicago
- 2020 Member, program planning committee for 2021 mtg, Puerto Rico (chair, Sally Amundson as RRS President)

Radiological Society of North America, 1989-current

- 2019 Faculty and moderator, Refresher courses (2 or 3)
- 2018 Faculty and moderator, Refresher courses (3);
- 2017 Faculty and moderator, Refresher courses (2); Discovery Theatre presentation
- 2015 Faculty, Refresher courses (2)
Moderator, health services research & policy--oral session and poster session
- 2013 Faculty, Refresher course on health policy
- 2009 Member, RadLex structured reporting initiative, pediatric radiology subcommittee (chair, Jim Meyer)
- 2008 Faculty, Refresher course on Pay for Performance; Refresher course on safety issues in imaging (AAWR), CT imaging safety; Focus session on how to teach radiology residents imaging physics; Keynote on radiation safety and moderator, health services research and policy scientific session; Moderator, Focus Session on the role of informatics in academic radiology; Image Gently Alliance report update
- 2008-9 Chair, RAAS (RSNA, AUR, APDR, SCARD) Collaborative Group
- 2008 Education Foundation Task Force, RSNA (chair, Eric Stern)
- 2007 Faculty, Refresher course, imaging of intussusception, RSNA annual mtg
- 2007 Faculty, Pediatric case-based review, RSNA annual mtg
- 2007 Moderator, Scientific paper session, education (HSR), RSNA 2006 annual mtg
- 2006 Faculty, Pediatric case-based review, RSNA annual mtg
- 2006 Faculty, Refresher course, RSNA 2006 annual mtg
- 2006 Moderator, Scientific paper session, education (HSR), RSNA 2006 annual mtg
- 2006-11 Member, Advisory Committee for REF individual giving campaign
- 2006-7 RSNA Health Services Research Core Curriculum Group member
- 2005 Faculty, Refresher course & Focus session, RSNA 2005 annual mtg

- 2005-6 Radlex project member for pediatric radiology
- 2004 Faculty, Refresher course, RSNA 2004 annual mtg
- 2004 Scientific paper session officer of the day (Wed), RSNA 2003 Annual Mtg
- 2004 Scientific poster session officer of the day (Thurs), RSNA 2003 Annual Mtg
- 2003 Moderator, Scientific poster session, Quality, HSR, RSNA 2003 Annual Mtg
- 2003 Scientific paper session officer of the day (Wed), RSNA 2003 Annual Mtg
- 2003 Scientific poster session officer of the day (Thurs), RSNA 2003 Annual Mtg
- 2003 Faculty, Special Focus session on 'Web-based results distribution—New channels of communication'
- 2003 Scientific Educational Exhibit Review Committee for RadioGraphics, pediatric section, annual meeting, Nov
- 2002 Faculty, Special Focus session on 'What is Health Services Research', 2002 Annual Meeting, Chicago
- 2000 Faculty, moderator, and organizer, Refresher course, co-sponsored by AAWR, Workforce issues in radiology
- 2001 Scientific paper session officer of the day, RSNA 2002 Annual Meeting
- 2002 Scientific poster session officer of the day (Thurs), RSNA 2002 Annual Mtg
- 2001-4 **Chair, Health Services, Policy & Research Subcommittee of the Program Committee**
- 2002 Scientific Educational Exhibit Review Committee for RadioGraphics, pediatric section, annual meeting, Nov
- 2001 Scientific Educational Exhibit Review Committee for RadioGraphics, pediatric section, annual meeting, Nov
- 2001 Moderator, Health Services, Policy & Research Scientific Session on Statistics and Methodology, Annual Meeting
- 2001 Moderator, Pediatric Radiology Gastrointestinal Scientific Poster Session, Annual Meeting
- 2000 Moderator, Health Services, Policy & Research Session, Annual Meeting
- 2000-2 Health Policy and Practice Committee member
- 1999-2004 Program Committee (Health Services, Policy & Research Subcommittee)
- 1998-2001 Counselor, Northern Ohio

Radiology Alliance for Health Services Research (RASHR), 1997-current
 Name Changed from Society for Health Services Research in Radiology, 2002

- 2012-7 Faculty, annual mtg; AUR/RASHR mentor
- 2008-18 AUR/RASHR Mentor (mentees Susannah Spence; Kristine Blackman)
- 2007 Nominating committee chair
- 2007 Faculty and Moderator, advanced critical thinking skills session, AUR annual mtg
- 2007 AUR/RASHR mentor (mentee, Ed Lee)
- 2006 President**
- 2005 Vice President
- 2004 Secretary/Treasurer
- 2004 Moderator, RASHR program
- 2004 Faculty, Annual meeting
- 2004-6 Chair, Membership committee
- 2003-5 Co-Chair, Membership committee (with Dr. Laurie Fajardo)
- 2003-8 Executive Board member
- 2003 Faculty, Annual meeting, conjoint with the AUR
- 2003 Moderator, colloquium on clinical research issues, annual mtg
- 2002 Moderator, Introductory Course, Annual Meeting
- 2003- Mentor, One-on-One Mentoring program for researchers in health services research
- 2002-3 Chair, Program Committee

2002 Faculty, Annual meeting, conjoint with the AUR, April
2001-3 Director, Executive Board
2001 Faculty, Annual Meeting, Oct
2001 Moderator, Introductory Mini-Course, Annual Meeting, Oct
2000- AUR scientific abstract reviewer (HSR)
2000-9 Program Committee member
2000 Faculty, Annual Meeting, Sept
1999 Faculty, Annual Meeting, Sept

Society for Computed Body Tomography and Magnetic Resonance Imaging (SCBTMR), 2008-2018

2016 Faculty, annual mtg
2014 Faculty, annual mtg; unknown case panelist
2010 Faculty, annual mtg (4 lectures); moderator, pediatric imaging session
2009 **Elected fellow**
2009- Member, Program committee; fellowship committee

Society to Improve Diagnosis in Medicine, 2013-present <https://www.improvediagnosis.org/>

2013 Invited speaker, annual mtg, Atlanta

Society for Pediatric Radiology, 1994-current

2017 Faculty, annual mtg
2012- Image Gently-Image Wisely Collaboration Subcommittee on appropriate Head CT use in minor trauma
2011 Presidential Recognition Award
2010 Creator, moderator, and faculty, annual mtg "Image Gently Panel Discussion: International Perspectives on Radiation Protection for Children"
2009-10 Member, diagnostics committee; physician resources committee; structured report comm; child abuse comm; corporate sponsorship comm
2009 Faculty, annual mtg, Apr, San Diego
2008-9 **Program Chair**, Evidence-based practice post-graduate course at 2009 annual meeting
2008-11 Chair, Pediatric Safety Committee
2008- Chair, Image Gently International outreach working group; alliance building with international radiology organizations; language translations of web content (11 languages)
2008-9 Member, Image Gently working group on parent outreach (brochures, editorials, Imaging Dose Record, launched 2/09) [with D Bulas, M Goske, B Wood]
2008-10 Member, Task force (became committee) on child abuse imaging; co-chair subcommittee on rickets (chair Jeanette Rosello-Perez)
2008-10 Committee member: bylaws; physician resources
2008 Faculty, post-graduate course and annual mtg program, Scottsdale
2008 Moderator, GI scientific abstracts, annual mtg
2007-10 Member, bylaws committee
2007-8 Chair, Scientific poster committee and award selection
2007- Member, writer's group and steering committee, National Radiation Safety Initiative—The Image Gently Campaign
2007 Member, contrast media use in children DVD (chair, Merv Cohen)
2008 **Creator and co-director, collaborative meeting program with pediatric radiology technologists, ASRT**
2007 Faculty, annual mtg, education seminar group leader
2007 Faculty, nursing group symposium
2007-10 Junior SPR mentor

2006-08 **Creator and Co-Director, collaborative program with pediatric radiology nurses, ARNA**
2006-9 Member, radiation safety educational task force
2006-8 Safety committee member
2005-8 **Board of Directors**
2005-8 Strategic Board initiative in membership (changed in 2006 to advocacy and outreach) leader
2004 Speaker, Midwest SPR mtg, Kansas City, Oct
2004 Faculty, annual mtg, Savannah
2004 Moderator and speaker, annual AAWR lunch
2003-5 Nominating Committee (elected by membership)
2003-6 Finance committee
2004-10 Member, corporate relations committee
2003-4 Chair, corporate relations for annual meeting
2003-6 Fetal imaging committee
2003 Faculty, annual mtg, SF
2001 Membership By-Laws Proposal for Change, presentation at the meeting of the Board, RSNA, Nov
1999-2002 Membership Committee (chair, 2001-2)
1997 Annual Meeting Scientific Exhibit Awards Committee, May

World Federation of Pediatric Imaging (WFPI), 2011- liaison with Image Gently
2015- **Executive Committee**, representing Image Gently (liaison for radiation safety) SPR poster review for international awards; monthly web calls

b. Regional and State:

Cuyahoga County, Cleveland, Ohio, 1996-8
1998 Member, Advisory Panel for Healthy Family/Healthy Start, Cuyahoga County, Ohio (Curriculum Development for Child Fatalities Project)
1997-1998 Consultant pediatric radiologist for Cuyahoga County coroner (infant and young children post-mortem radiography interpretation)
1996-8 Cuyahoga County Child Protection Coalition and subcommittee on Child Fatalities

Georgia Radiological Society, 2009-2017
2011-12 Speaker, Annual combined GRS, SCRS mtg, Jun
2010-13 Councilor

Indiana Radiological Society, 2002-9
2010 **Gold Medal Award** (for outstanding service)
2009 ACR Chapter Recognition Award for excellence in Communication, District C
2008 **President**
2007 Program chair, conjoint IRS-IRBMA Fall mtg, Oct, Indy
2007 President-elect
2006 Secretary
2006 Testimony to ISDH on minimum training stds for technologists (Terry Whitson)
2005-6 Treasurer
2005-9 Alternate Councilor
2005 ACR Chapter Recognition Award for excellence in Government Relations, District C (KA work with Dr. Ken Kopecky on anti-self referral issues, wrote bill)
2004-9 Legislative Committee
2004-9 Committee on standards in radiologic practice

2003-9 Committee on anti-self-referral (chair, Ken Kopecky)
2004-9 Lobby State legislature on over-utilization issues, CON

Indiana state and county expert for child abuse imaging, 2001-2009

2005 co-author, State senate bill to require state government reimbursement for post-mortem skeletal survey radiographs in infants with unexplained death (sponsor, Sen. Vi Simpson, bill died in committee)
2003-9 Regional and state civil and criminal court testimony; imaging consultations for prosecutors and social services investigations; post-mortem radiography reviews for infant deaths of undetermined causes

Kentucky Radiological Society, 2017-2019

2017 Faculty sponsor for creation of resident and fellow state chapter; University of Ky resident mentor for ACR issues (Mandie Romesburg, Karen_ initial officers))
Participant in program committee for tri-program regional medical student fair, August 26 (engage students at Uky, UoL, UCinci in radiology professions)

Northeast Ohio Ultrasound Society, 1997-2001

1999 Course Director, First Annual Seminar in Vascular US
1998-9 President
1997-8 President-elect
1997-2001 Board member

Midwest Pediatric Radiology Society (1995-2009); 1995 Annual Meeting moderator

Kirkpatrick Society/Northeast Society for Pediatric Radiology

c. Institutional:

University of Kentucky, 2017-May, 2019

2018/06-08 Mentee, pre-medical summer students- shadow program (Dana Blichman; Haley Holtzmann); ACR mentees via speed mentoring workshop (Tanner Harmon R3 Phoenix, AZ), (Erica Kinne, rad resident program director at Loma Linda, CA)
2017/06-08 Mentee, pre-medical summer student, Anovia Byars (interest in pediatric radiology)
2017/09- IAmAWomanInSTEM program-- mentor for undergraduate women students in the science, technology, engineering, and mathematics majors. (Megan Finch, leadership premed major; Justine Biragane, biology major)

University of Kentucky College of Medicine, 2017-19

2018/06- Submission of new med student course curriculum on quality and safety elective (with mentee, Erin Aubry MS3-MS4)
2017/02- Liaison quality officer for radiology;
Committee for VI2P full proposal review (chair, Jing Li, summer)
Medical student mentoring: Evan Pohl (MSIV, summer 2017 PQI project, interest in radiology); Erin Aubrey (MSI interest in creating elective in quality and safety for medical students), Frankie Wallace (MSI on PQI project TIRADS); Erin Aubry (MSIII-IV 2018 year with creating quality elective for med students, and LOR for radiology residency programs);

Department of Radiology, 2017-19

- 2018/06 Invited grand rounds speaker Mark Pearce in pediatric epidemiology for radiology lecture on CT and fluoro risks to patients; KCH speaker on the Newcastle family cohort study (initially on infant mortality) with NICU mtgs
- 2017-8 Mentored M&M conference cases with rad resident (3 conference months)
- 2017-8 Sonophy lectures (2 provided, and 1 organized to have child life lecture)
- 2017-8 Promotion letters written: 5 in 2018; 7 in 2017; 4 in 2018, declined 1 in 2018
- 2018/05-2019/05 Created new monthly multi-disciplinary pedrad conferences: peds pulmonary+peds ID; peds forensic team (child abuse); created new work flow for daily NICU rounds in the NICU (with Dr. Mina Hanna)
Revised pediatric medical student rotation in pedrad division (assigned liaison role to J Dillon)
- 2017/02-2019/01 Division Director Pediatric Radiology (complete review of all protocols, scheduling, policies for imaging children; schedules; hiring 2 FTE and locums; new radiology resident education curriculum; new medical student curriculum; mentoring residents (Han Q, Mandy Romesberg, Karen Tran-Harding); Mentoring resident with interest in pedrad fellowship (Melissa Smith, first resident in many years; PQI project in NICU)
- Created multi-disciplinary conference for GI-rad-pathology (monthly, Oct);
- Created ACR resident leadership (Karen and Mandy 4/2017); started annual mtg of Ky state chapter at annual ACR mtg using UK radiology members; participated in program development for regional medical student fair for interest in radiology careers (8/26/2017 at UK) with UofL, UCinci)
- Operations: SWARMS (requested: overuse of xrays for PICC placement, summer; pediatric outpt code in MRI, summer); safety concerns relating to (a) NICU pt MRI at night; way-finding and signage; access to zone 3 MRI; radiology pediatric medication policies; radiology pt pregnancy policy; contrast media policies; fluoroscopy credentialing; started dept ALARA reviews;
- Committees: Research, IT, PQI-CT, PQI-US, PQI-MR; started and co-chair of PQI-fluoro/Xray; advisory committee; division chief committee; faculty mtg;
- PQI projects:
- NICU gonadal shield cleanliness if disposable (lead: Veronica Scott, RT; Melissa Smith, MD, Evan Pohl, BS, Leslie Anaskavich) [7/2017-]
 - TIRADS implementation for reporting of thyroid ultrasound lesions (7/07-presented at M&M by Lane Stafford; lead-R1 project Kavya Sudanagunta)
 - KCH KNI Choosing Wisely metrics: pediatric imaging utilization in (a) head CT/MRI in uncomplicated headache (b) head CT/MRI in febrile seizures (c) non-contrast head CT in minor head trauma. (10/2017- PI Blake Haas R1)

- d. MRI RN concierge program to improve inpatient wait times, nursing, and patient satisfaction. (11/2017-PI Brent Pressman R2) with Becky Baker, Peter Hardy Melinda Chapman.

Radiology resident lectures:

- a. R1: curriculum revision 6/2017; 8/15/2017 why children are not small adults and Image Gently; 8/16/2017 infant/child chest imaging vs adult; 9/2017 value of radiology, Fryback & Thornbury efficacy.
- b. R1-R4 rotation 1 and rotation 2 complete revision and purchase of books (with Kristi Bogan) 8/2017; pediatric radiology lecture weeks Sept, Oct, Nov, and Jan 2018
- c. DIXT review: 2 lectures in Dec 2017
- d. Board review: 2017: 3 lectures; 2018 2 lectures
- e. Radiology resident teaching liaison 6/2018: assigned to J Dillon. Guided Dr. Dillon with revision of weekly lectures. Lecture week 1 completed 1st week of July 2018

Department of Pediatrics Committees, 2017-2019

- | | |
|---------|----------------------------------------------------------------------|
| 2017/04 | Executive comm- til Fall 2017; KCH quality comm; Division chief comm |
| 2017/05 | Process development for medical student pedrad on pediatric rotation |
| 2017/08 | Curriculum for Med Peds trainees for academic year |

Emory University, 2009-2017

- | | |
|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2013-6 | University Senate and Faculty Council (elected)
Diversity Committee—subcommittee on defining diversity; Class and Labor Senate Advisory Committee; community/contract subcommittee; |
| 2012-2017 | Emory Health Safety Office and EHC Advisory Team for radiation protection (Chair, Patty Olinger) |
| 2011-2017 | Radiation Control Council, elected Chair |
| 2010-2017 | Radiation Control Council, elected member |
| 2009-2010 | Community and diversity plan task force (chair, Sheryl Heron) |

Emory University School of Medicine, 2009-2017

- | | |
|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2014-5 | Faculty and Program Planning Committee for the Annual Advancing Healthcare Quality Research at Emory Conference—co-chairs, Leslie Shaw and Kathy Griendling (2 nd and 3 rd annual) |
| 2010-2017 | <u>Advising</u> : medical students interested in quality improvement; residents (Riley Smythe, Sima Banerjee, Jack Talsma, Ivan DeQuesada, Lily Ivansco, Drew Streicher, Gelareh Sadigh, Nima Kotama, Tim Ng, Tadi Ciszak) Junior Faculty mentoring (Eric Friedberg, Faisal Khosa, Abdel Jaffan. Kelly Cox, Leonel Vasquez, Chris Ho, Omari Johnson, Anh Duong, Ashley Aiken, Courtney Coursey, Amanda Corey, Falgun Chokshi, Amit Saindane) |
| 2009-2017 | <u>Radiation safety</u> committee III for IRB reviews; Dean's task force on community and diversity subcommittee on faculty recruitment (chair Dr. Sheryl Heron) 2009-2010; Radiation Control Council (2010-), chair, 2011-2017t; |
| 2009-2017 | <u>Radiology Department</u> : executive committee (2009-2013; Appointments and Promotions Committee, (chair 2013-5), vice chair (2012); Strategic Planning Comm (2012-); MR safety committee; chair, Practice Quality Improvement Committee; PACS implementation steering comm; Lean projects with IR, breast |

- imaging, and emergency medicine depts; radiology resident journal club faculty; radiology quality and safety elective rotation for medical students; radiology resident non-interpretive skills rotation faculty; Emory Radiology Residency Education Committee (RESC); emergency department-radiology department performance improvement committee chair (until 2014) (6/2009-present); Radiology Residency Research Selection Committee Member (2010-); Intergrated Operation Unit meetings (2009-2013) for Breast Imaging, EUHM, and Interventional Imaging
Research resident interview committee; research resident track develop committee;
- 2010-2013 Creation of Department of Radiology Quality Council and Steering Committee; member: CT Quality and Safety Comm; US Quality and Safety Comm; Patient Safety Comm; Environmental and Employee Safety Comm; IS Q&S comm.(2011); Plain radiography Q&S comm. (2011) Informatics Quality and Safety Committee; Radiography Quality and Safety Committee
- 2015-7 Grant Proposal Review Committee (chaired by E. Krupinski, vice chair of research)
- Emory Healthcare, 2009-2017
- 2011 Emory Healthcare Annual Quality Conference Posters—12 submitted by radiology dept, with 2 awards
- 2010 Emory Healthcare Annual Quality Conference Posters—first time posters submitted by radiology dept (7 submitted) with 4 awards
Member, Clinical Safety Steering Committee (CSSco)-2009-2015; Practice Quality Council; Quality Informatics Council; Quality Improvement Oversight Committee; PACS implementation Steering Committee (2009-2011); PACS Provider Committee; Malpractice review committee (2010-5); Reserve Review Committee (2010-5); PACS Governance Committee (2010-2011); eEMR oversight committee (2011-4); Imaging change request committee (2010-4); Enterprise Imaging Steering Committee (2011-4); EUH CLABSI Committee (2011-4);
- Cleveland Clinic Foundation, 1995-8
- 1998 Member, I.M. Page Center for Health Services Research Bimonthly Seminar
- 1997-1998 Editorial board member, *Pediatric Perspectives*, a newsletter of the Cleveland Clinic Children's Hospital
- 1996-1998 Committees: Child Protection Team; Ad Hoc Committee for Radiology Residency (with resident retreats 5/97 and 5/98), Resident Selection Committee, Radiology Education Committee, Open MRI Committee, Radiology Quality Assurance; Pediatric Radiology Appropriateness Criteria; Pediatric Radiology Fellowship Committee
- 1995-1998 Women's Professional Staff Association, Advisory Board member, Executive Committee member; Resident Mentor
- Dartmouth-Hitchcock Hospital, 1992-1993 House Staff Committee
- Indiana University, 2001-9
- 2007 Member, Promotion and Tenure committee, IUPUI
- 2006-8 Elected, Representative At-Large to the IUPUI Faculty Council ("IFC")
- 2004-9 Member, Office of Women Advisory Council (director, Kathleen Grove)
- Indiana University School of Medicine, 2001-9
- 2008-9 Chair, radiation safety committee (under RSO, Mack Richard)
- 2007-9 Faculty, pediatric forensic fellowship program

- 2005-8 Medical student advisor, Kerry Fitzgerald Hege
 - 2007 Panel member, AMWA specialty career lunch speaker, Jan
 - 2006-7 Improving patient safety team, CLarian-IU LCAM program
 - 2006-8 **Co-Creator and founding member, women’s advisory council for the school of medicine** (with Drs Marilyn Bull and Associate Dean Steve Bogdewic)
 - 2005-7 Philips multidetector CT training course, monthly lectures regarding pediatric CT imaging issues (‘Pediatric body CT: How I do It’ monthly lectures)
 - 2005- Journal Club monthly supervisor, radiology residents, with EBM approach, Nov
 - 2005 Riley Hospital strategic planning, subcommittee on research
 - 2005 Radiology residency selection committee
 - 2005 Mock oral boards, radiology, April
 - 2005 Multidisciplinary protocol planning, the role of imaging in children with clinically suspected intussusception; protocol development with pediatric surgery and emergency medicine at Riley Hospital, April
 - 2005 Lecture, Inflammatory bowel disease imaging, use of CT in children (Peds GI service)
 - 2004-8 Radiation Safety Committee
 - 2004 Quality improvement project team, Riley Hospital
 - 2004 Medical student advisor, Elizabeth Werner
 - 2004 Journal Club, radiology residents, Feb 19
 - 2003- Child protection team—monthly case review conference; as needed case review for Riley, Methodist, Wishard hospitals and outside hospital consultations
 - 2002-6 Radiology department resident research development committee
 - 2002 Journal club, pediatric residents, Oct 15
 - 2002 Journal club, radiology residents, Dec 13
 - 2002-5 Pediatric oncology research group
 - 2002-4 Department of Radiology, first year-resident review of Brant and Helms radiology text, pediatric radiology chapter
 - 2003-6 Evidence-Based Medicine course faculty, first year medical students
 - 2002-9 IU Radiology Associates Board Member (elected position)
 - 2002 Mini-medical school lecture on dual physician careers program, Feb
 - 2001-3 Clarian Radiology Efficiency Team, with GE Health Care Solutions
 - 2001-9 Women in medicine mentoring program (3 women students 2001-)
 - 2001-3 Department of Radiology, Managing Data for Success team
 - 2001-2 Department of Radiology, Biostatistics recruitment committee
 - 2001-9 Department of Radiology, Section of health services research and pediatric radiology
 - 2001-6 Women Faculty Committee
 - 2001-9 Pediatric health services research group (director, Steve Downs)
- University Hospital of Case Western Reserve University School of Medicine, 1998-2001
- 2000-3 Member, CWRU Committee on Student Affairs (elected)
 - 1999-2000 Member, CWRU Spotlight on Women Series Committee
 - 2000-1 Member, CWRU Women Faculty Association
 - 2000-1 Member, University Hospitals Department of Radiology, CME Committee
 - 1999-2001 Committee on the Status of Women Faculty, Case Western Reserve University Faculty Senate
 - 2000-2001 President, CWRU Women Faculty of the School of Medicine Association**
 - 1999-2000 Vice President, Steering Committee member; Fall Program Planning Committee; newsletter editor; CWRU Women Faculty of the School of Medicine Association
 - 1998-2001 Member, CWRU Women Faculty of the School of Medicine Association
 - 1998-2001 Member, University Hospitals Department of Radiology, Research Committee

14. Consultantships:

- 2019- Participant, Electric Power Research Institute, (EPRI), annual think tank mtg, Nov, Charlotte, NC
- 2019- Nuclear Energy Agency (NEA), Advisory Group for Low Level Radiation Research (Chair, Ted Lazo), under the Organization for Economic Cooperation and Development (OECD), an intergovernmental organization and UN observer
- 2017 FDA MIDAC mtg, free gadolinium; advice on label warning (Sept)
- 2015- FDA special government employee (consultant)
- 2015- FDA, Medical Imaging Drug Advisory Committee (MIDAC); face-to-face mtg Sept 2017, Bethesda
- 2014- National Quality Forum—Patient Safety Steering Committee
- 2013 FDA review panel on GI and imaging devices (Sept), Washington, DC
- 2009-14 American Imaging Management (AIM) advisory committee (via the ACR) for patient radiation safety issues; Ultrasound utilization
- 2005-8 Faculty of 1000, section on clinical decision-making, EBM (co-chairs, M Hunink, Sue Goldie), (www.f1000medicine.com)
- 2005- Consultant, FDA Center for Devices and Radiological Health
- 2005-9 Consultant for healthcare policy, HealthCare Excel, Indiana State Medicaid quality contract (Dr. Ted Grisell, medical director)
- 2005-7 Consultant, HealthHelp, Houston, TX (<http://www.healthhelp.com/>) to assess appropriateness criteria and guidelines for medical imaging
- 2004-5 Medical review panel, Indiana state malpractice pediatric case
- 2003-8 Gerson-Lehrman Group Consultant on healthcare issues

15. Editorships and Editorial Boards:

- 2012-19 Editorial board, Journal of the American College of Radiology
- 2012- Editorial board, Egyptian Journal of Radiology and Nuclear Medicine
- 2008-2018 Academic Radiology Editorial Executive Committee
- 2006-7 Guest Editor, Seminars in Roentgenology 'Imaging of the pediatric abdomen' (Jan 2008 issue)
- 2005-8 Editorial board, American Journal of Radiology II
- 2005 Editorial board: Consultant to the editor, *Radiology*
- 2003-6 Editorial board, Journal of the American College of Radiology
- 2003-11 Associate Editor, *Pediatric Radiology*, Health Services Research Section
- 2001-3 Special Editor, Statistical Concept Series, for *Radiology*
- 2000-4 Associate Editor, *Radiology*, Pediatric Radiology Section

16. Manuscript reviewer:

- 2015-17 Pediatrics
- 2015- European Journal of Cancer Care
- 2015- South African Journal of Radiology
- 2009-13 Journal of General Internal Medicine
- 2006-9 Journal of Pediatric Surgery
- 2004- American Journal of Radiology
- 2003- Journal of the American College of Radiology
- 2002- Pediatric Radiology
- 2001- Academic Radiology
- 2001-9 Medical Decision Making
- 1998-01 Journal of Urology
- 1998- RadioGraphics
- 1997- 01 Journal of Clinical Ultrasound
- 1997- 01 Clinical Pediatrics

17. Honors and Awards:

- 2020 Awarded Fellow of the AUR, inaugural year, AUR annual mtg, Philadelphia (mtg cancelled due to COVID—19 so award given in email, March 2020 by awards committee chair, Mark Mullins)
- 2019 Awarded Honorary Member, American Association for Physicists in Medicine, awarded at the AAPM annual mtg, San Antonio, Jul
Honorary membership into the AAPM is bestowed upon individuals to recognize distinguished service that they have done in other societies that supports medical physics. Thus the award not only honors the individual but also strengthens the links between the AAPM and the other society.
- 2018 Marquis Who's Who 'Women of Influence Award'
- 2017 Fellow, AAWR (awarded Dec, RSNA mtg)
- 2017 Sadigh G*, Carlos R, Ward K, Swichenko J, Jiang R, **Applegate KE**. Screening mammography and downstream diagnostic breast imaging in patients with advanced cancer: a population-based study. AUR, May [**2nd Place Research Paper, Trainee Prize**]
- 2017 Balthazar P*,Konstantopoulos C#, Wick C, DeSimone A*, Tridandapani S, **Applegate KE**. Trainees add value to patient care by decreasing addenda utilization in radiology reports. AUR, May [**3rd Place Research Paper, Trainee Prize**]
- 2016 Distinguished Reviewer Award, Academic Radiology
- 2016 Nominated for Inaugural Emory School of Medicine Faculty Mentoring Award, *'One of 27 faculty that demonstrated outstanding mentoring in the domains of education, service, and/or research to trainees or early career faculty during the past year'*
- 2016 **ResearchGate.net**--most read author Emory radiology department, numerous weeks
- 2016 ACR Global Humanitarian Award to the **World Federation for Paediatric Imaging (WFPI)**, presented at the annual mtg, DC, May (to the Executive Committee, chaired by Dr. Ines Boechat, founder and past president)
- 2016, 2014 Georgia Radiological Society's Dan Hanks Fellowship in Advocacy to Trainee, Dr. Gelareh Sadigh, Emory radiology resident (Mentee);
2014 inaugural award to trainee, Dr. Ivan DeQuesada, Emory radiology resident (mentee)
- 2015 **Marie Skłodowska-Curie Award**, the highest honor of the American Association for Women in Radiology. This award is given to an individual who has made an outstanding contribution to the advancement of women in radiology/radiation oncology, the unique role they have undertaken in leadership, clinical care, teaching, and/or scholarship and the accomplishments that impacted women in our professions.

- 2015 RSNA Trainee Research Prize winner, Gelareh Sadigh*, MD (mentee) in the "Resident" category, "Prevalence of Unanticipated Events Associated with MRI Examinations: a Benchmark for MRI Quality, Safety, and Patient Experience", with Saindane A, **Applegate KE**. RSNA annual mtg [**Dr. Sadigh** was also awarded the AAWR Lucy Frank Squire Distinguished Resident Award in Diagnostic Radiology. This award is given in recognition of her outstanding contribution to diagnostic radiology at this stage of her career.]
- 2015 **Gold Medal, Association for University Radiologists** [The Gold Medal is awarded in recognition of unusually distinguished service or contributions to the Association of University Radiologists, academic radiology, or the field of radiology in general.]
- 2015 Society of Imaging Informatics in Medicine (SIIM) Trainee Award for best paper—Gelareh Sadigh (mentee) and

Emory University School of Medicine Annual Science of GME Award for Best Poster: "Stakeholders' Perceptions Regarding the Use of Patient Photographs Integrated with Medical Imaging Studies" Resident/Fellow Contributors: Gelareh Sadigh*, MD (mentee); **Kimberly E Applegate**, MD, MS, FACR; Timothy W Ng*, MD (resident mentee); Kamilah A Hendrix, BA, MPA; Srinidhi Tridandapani, MD, PHD
- 2015 Society of Interventional Radiology's Foundation Resident Fellow Research Award, Nima Kokabi*, MD (mentee), "Treatment and outcome of renal cell carcinoma small lesions using the SEER database", SIR annual mtg, ATL, Feb
- 2014 Exceptional Manuscript Reviewer for the Journal of the American College of Radiology
- 2014 RSNA Trainee Research Prize winner, Gelareh Sadigh*, MD (mentee) in the "Resident" category, "A Systematic Review and Meta-Analysis of Air versus Liquid Enema Stratified by Technique for Intussusception Reduction in Children" , with Zou K, **Applegate KE**. RSNA annual mtg
- 2014 CHOA (Children's Healthcare of Atlanta) designated first national site to achieve Diagnostic Imaging Center of Excellence (DICOE) from American College of Radiology
- 2014 RSNA Resident Research Grant winner, Nima Kokabi*, MD (mentee) "Disparities in Utilization of Contemporary Interventional Radiology-based Locoregional Therapies for Unresectable Hepatocellular Carcinoma and Impacts on Survival: a SEER-Medicare Population Study"; Kim K, Duszak R, Howard D, Xing M, **Applegate KE** [received NIH style score 2.6 out of 9 and had record competition of 264 grants overall submitted in cycle]
- 2014 American College of Radiology-Best Trainee Poster in Quality and Safety DeQuesada I*, MD (mentee), **Applegate KE**, Nwoku K, Torres W, Kassim M*, Small W. CT-guided Renal Biopsy Sample Adequacy: A Quality Improvement Project. ACR annual mtg, Washington, DC, May
- 2014 Radiology Alliance for Health Services Research (RAHSR) – Harvey L. Neiman Award for outstanding abstract submitted by a student, resident, fellow or AUR

member: **G Sadigh*** (resident mentee), D Baumgarten, C Coursey-Moreno, K Cox, S Nadwena, **KE Applegate**

- 2013 Exceptional Manuscript Reviewer for the Journal of the American College of Radiology
- 2013 Nominated for Emory University Tracy Faber Memorial Award for Women in Imaging Science and Engineering
- 2013 Emory Healthcare Annual Quality Conference Poster awards in QI (13 posters accepted from radiology dept; 4 awards; mentor/coauthor on 4 projects)
- 2012 Emory Healthcare Annual Quality Conference Poster awards in QI (14 posters accepted from radiology dept; 5 awards; mentor/coauthor on 5 projects)
- 2012 Nominated for Health Services Research Best Article annual award, Journal of the American College of Radiology
- 2012 Exceptional Manuscript Reviewer for the Journal of the American College of Radiology
- 2012 Nominated for Emory Radiology Department Faculty Mentor Award
- 2012 Distinguished Investigator, Academy of Radiology Research
- 2011 Nominated for Emory Radiology Department Service Excellence Award
- 2011 **Presidential Recognition Award**, Society for Pediatric Radiology
The Society bestows Presidential Recognition Awards on members or other individuals whose energy and creativity have made a significant impact on the work of the Society and its service to its members
- 2011 **The Dade Moeller Lecture, Health Physics Society** Annual Mtg, [**first woman named to present this lecture**]
- 2010 **Gold Medal, Indiana Radiological Society [second woman recipient]**
- 2010 American Board of Radiology Lifetime Service Award
- 2010 Emory Healthcare Annual Quality Conference Poster Award: Best Demonstrated Use of Process Improvement Tools: "Improving first case of the day interventional radiology start times". **Applegate K**, Wright R, Tannir H, Kim K, Kinney E#
- 2009 Elected member, Ray Helfer Honorary Society of physicians contributing to the education, research, and practice of child abuse diagnosis, treatment, and prevention (<http://www.helfersociety.org/>)
- 2009- Marquis Who's Who in America (2010 ed -); Who's Who in American Healthcare (2011-); Marquis Who's Who of American Women (2011-)
- 2009 Elected **Fellow**, Society for Computed Body Tomography and Magnetic Resonance Imaging

- 2009 American College of Radiology Chapter Recognition Award: Award for Excellence in Communications, District C (State of Indiana)
- 2008-present The Image Gently Campaign awarded (1) the most influential in radiology by RT-image in 2008, and #8 in 2009 (the magazine of the American Society for Radiologic Technologists); (2) honored by a [resolution in the US House of Representatives](http://www.thomas.gov/cgi-bin/query/z?c110:H.RES.1216:) (<http://www.thomas.gov/cgi-bin/query/z?c110:H.RES.1216:>); (3) listed in the National Quality Forum Safe Practices 2009 Update; [one of 34 priority practices: radiation safety in pediatric imaging-- that should be universally utilized in applicable clinical care settings to reduce the risk of harm to patients] (4) Associations Advance America Honor Roll for 2009 (5) 25 most influential in radiology industry in 2009 (number 8) (6) AuntMinnie.com's 2011 Minnies #1 award for Most Effective Philanthropy Program or Campaign for Pulse and Pause: Image Gently in Fluoroscopy (7) 2012 FDA Leveraging/Collaboration Award to "The Pediatric Dose Reduction Group" (Image Gently, MITA, and FDA) *For developing a collaborative network aimed at reducing unnecessary radiation exposure to pediatric patients from imaging exams (CR/DR technologist checklist)*
- 2008 Katz DS, Hoffmann J*, Applegate K, Proto AV. Ethical Issues in Radiology Journalism, Peer Review, and Research. Educational exhibit RSNA 2008. Recommendation for publication in *RadioGraphics* by subspecialty panel
- 2008 Honorary Fellow, Royal Brisbane and Women's Hospital, University of Queensland, Australia
- 2008 IUPUI Chancellor's External Award Recognition
- 2008 **AUR Trainee Prize**, 2nd place presentation and first annual **Henry Goldberg Award** for best medical student scientific presentation at annual mtg (mentored medical student, Raj Kumar)
- 2007 **Memorial Award**, Association for University Radiologists highest award for a trainee paper by Doug Kitchin, IU medical student (mentee). "Learning Radiology: A Survey Investigating Radiology Resident Use of Textbooks, Journals, and the Internet." (*Memorial Award may be presented annually to the radiology medical student, resident, or first year fellow who submits an outstanding original paper on any aspect of radiology*)
- 2007 Listed in America's Top Radiologists, Consumer's Research Council of America
- 2005 American College of Radiology Chapter Recognition Award: Award for excellence in Government Relations, District C (State of Indiana, working with Ken Kopecky on anti-self referral issues)
- 2004 Elected **Fellow**, American College of Radiology
- 2004 The overlapping spectrum of normal and malrotated bowel. Campbell-Klatte Annual Research Day, with IU Radiology fellow James Anderson--best poster award

- 2003 Anderson JM, Klatter E, Applegate KE. Congenital and acquired abnormalities of colonic and small bowel rotation and fixation. Educational poster RSNA 2003. Recommendation for publication in *Radiographics* by subspecialty panel
- 2003 Gender Equity Award, IU American Medical Women's Association, Apr
- 2001 Association of American Medical College Professional Development Seminar for Mid-Career Women Faculty (American Association for Women Radiologists award to attend), Washington, DC, July
- 2001 Leadership development seminar, Society for Pediatric Radiology/SCORCH, Chicago, Oct (\$500)
- 2000 **Radiologic Society of North America Editorial Fellowship**, (now renamed Eyer Editorial Fellowship, first woman selected) Nov (\$10,000)
- 2003 Abramson S*, Applegate KE, Gilkeson R, Robbins M. The impact of non-contrast CT on diagnostic confidence and management in patients with clinically suspected stones seen in the emergency room. ARRS President's Award for resident research, ARRS Annual Meeting, May 2000 (\$2,000)
- 2000 Applegate KE, Sivit CJ, Abramson S*. Diagnosis of Acute Appendicitis in Children: Spectrum of CT findings. Scientific exhibit, ARRS Annual Meeting, May. Certificate of merit award
- 2000 Outstanding Student Award for Health Services Research Track, Department of Epidemiology and Biostatistics, Case Western Reserve University, Cleveland, OH
- 1999-2000 **American Roentgen Ray Society Scholar Award** (\$120,000)—second woman awardee
- 1999,2000,2001 Mentor for recipients of Picker Award for radiology resident research in radiology department, CWRU (1999: Simeon Abramson; 2000: Aron Montgomery; 2001: Kristine Blackham)
- 1999 Abramson S*, Gilkeson R, Applegate KE. Spiral CT for the diagnosis of renal stones: expected and unexpected findings in 200 cases. Scientific exhibit, RSNA Annual Meeting, Nov. Certificate of merit award
- 1998 Bardo DM*, Frankel DG, Applegate KE, Murphy DJ, Saneto RP. Hypoplastic Left Heart Syndrome at the Time of Diagnosis and Various Stages of Palliative Surgery. Scientific exhibit, RSNA Annual Meeting, Nov. certificate of merit award and recommendation for publication in *Radiographics* by subspecialty panel
- 1997 Editor's Recognition Award for Reviewing with "Special Distinction"
- 1997 Pierce G*, Applegate KE, Goske MG, Murphy D. Situs Revisited: Plain Film Recognition, Embryology, and Imaging of Heterotaxy Syndromes. Scientific Exhibit, RSNA Annual Meeting, Nov. recommended for publication in *Radiographics* by subspecialty panel and selected for category-1 CME self-directed learning program

- 1997 Saneto RP*, Applegate KE, Frankel D. Non-cardiac Malformations in a Patient Population Undergoing Corrective Surgery for Hypoplastic Left Heart Syndrome. Cleveland Clinic Annual Pediatric Research Day, Jun. third year resident award paper
- 1996 Association of American Medical Colleges Professional Development Seminar for Junior Women Faculty, Sante Fe, NM
- 1992 American College of Radiology grant award for resident seminar, ACR meeting, Phoenix, AZ
- 1990 AUR, ARRS, & RSNA grant to attend first inaugural Introduction to Research Program, RSNA annual meeting, Chicago, IL

18. Society Memberships:

Academy for Radiology Research, 2004-

- 2012- Council of Distinguished Investigators
2004-7 Member, **Board of Directors** (representing AAWR)

Association for Health Services Research, member, 1999-2003

American Academy of Pediatrics, 1998-current

- 2002-2009 **Executive committee, section on radiology**

American Association for Women Radiologists, 1990-current

- 2016 Strategic planning; Inaugural women's caucus at ACR annual mtg
2004 **Chair, Research and Education Foundation**
2003 **President**
2002 President-elect
2001 Vice President
1998-2000 Secretary
1991-2008 Member, Executive Committee

American College of Radiology, 1989-current

- 2011-18 **Elected first woman as Council Vice Speaker (2011-2013) and Speaker, 2013-2015, executive committee (2011-2015), elected member Board of Chancellors (2011-2018)**
2007- Elected by Council to the **Council Steering Committee (re-elected 2009)**
2004-6 Elected by Council, **College Nominating Committee (chair, 2005-6)**
2004-8 **Board of directors, RADPAC** (radiology political action committee)

American Roentgen Ray Society, 1989-current

Association for University Radiologists, member 2000-

- 2011-18 President, Research and Education Foundation**
2008 President
2008-9 Member, **Board of Directors, APDR** (Association for Program Directors in Diagnostic Radiology)
2008-9 Member, **Board of Directors, APCR** (Association for Program Coordinators in Diagnostic Radiology)
2007 President-elect

2006 Vice President
2005 Secretary/Treasurer
2001- Member, Board of Directors

**International Council for Radiation Protection, 2009-
2013- Elected member to Committee 3 (medicine)
2017- Elected chair of Committee 3, Member of Main Commission (6th woman
on the Main Commission in 90 year history)**

**National Council on Radiation Protection, 2006-
2014- Member, PAC-4 medicine
2007- Elected member to Council, re-elected 2013,2019**

Radiological Society of North America, 1989-current

Radiology Alliance for Health Services Research (RASHR), 1997-current
Name Changed from *Society for Health Services Research in Radiology*,2002

2006 President
2005 Vice President
2004 Secretary/Treasurer
2001-7 Member, Executive Board

Society for Computed Body Tomography and Magnetic Resonance Imaging, 2008-2018 (dropped membership due to too many societal memberships)

2009-18 **Elected Fellow**

Society for Gastrointestinal Radiology, 2008-2016)

Society for Pediatric Radiology, 1994-current; emeritus 2020
2005-8 Member, Board of Directors

Indiana Radiological Society, 2002-9
2008 **President (3rd woman elected)**
2007 President-elect
2006 Secretary

Northeast Ohio Ultrasound Society, 1997-2001

2009-2017 President
1997-8 President-elect
1997-2001 Board member

University Hospital of Case Western Reserve University School of Medicine, 1998-2001

2000-2001 President, CWRU Women Faculty of the School of Medicine Association

19. Organization of National or International Conferences:

American Roentgen Ray Society
2001-3 Scientific program, subcommittee for pediatric radiology (chair, 2002-3)

Association of American Women in Radiology
1996-2002 Founder and Chair, Childcare Committee (coordination of first ever children care program at the national meetings of ARRS and RSNA, 1998)
1998-2005 Program Committee (chair, 2002)

Association for University Radiologists

- 2010 Director and speaker, Quality and Safety Minicourse (sponsor, Carestream)
- 2008 Strategic Planning Director
- 2007 Program Chair
- 2008 Co-director, informatics in radiology course (in collaboration with the RSNA RIC, David Avrin, Curt Langlotz)

Intersociety Conference (coordinated via the American College of Radiology)

- 2004-6 Member, Executive Committee and program planning, Intersociety Summer Conference

National Council for Radiation Protection

- 2009-2010 Program planning committee for 2010 annual mtg

Radiology Alliance for Health Services Research (RAHSR)

- 2002-3 Chair, Program Committee

RSNA

- 2001-4 Chair, Health Services, Policy & Research Subcommittee of the Scientific Program Committee
- 1999-2004 Member, Health Services, Policy & Research Subcommittee of the Scientific Program Committee

Society for Pediatric Radiology

- 2009 Post-Graduate Course Director and moderator for the abdominal imaging section
- 2006-8 Creator and co-director, collaborative program with pediatric radiology nurses, Association for Radiology Nursing Association (ARNA)—at request of and in collaboration with Dr. Marilyn Goske

International Radiation Protection Association and World Health Organization

- 2010 Helsinki conference; radiation protection of the fetus and children (June)

20. Research Focus:

1. Health Services Research and Policy, quality improvement and safety in imaging.
2. Radiation Protection.
3. Evidence-based imaging of abdominal pain in children.
4. The role of imaging in child abuse.

21. Patents: none

22. Grant support:

SBIR (Small Business Innovation Research) Grant (Sept 1, 2018-Jan 1, 2019): "A double balloon catheter for treatment of intussusception in children" Consultant; PI Cephus Simmons; animal studies using piglets and pigs to perform proof of concept evaluation of this tubing device performance for intussusception reduction. This will provide pilot data for next phase of research grant submission for multi-phase trial in infants and children.

Non-grant supported research:

- a. 2017:
Radiomics of lung nodules in pediatric sarcoma patients. PI Lars Wagner, MD; Co-investigator (Jie Zhang PhD; K Applegate; J Dillon)

b. completed support, presented, not yet published:

2016-2017 Co-Investigator: Optimize head CT performance for imaging pediatric head trauma patients at much reduced dose—using an optimization-based hybrid iterative dose reduction algorithm (HIDRA). (PI, XY Tang PhD, Emory-Georgia Tech Pilot Award, \$50,000)

c. previous support:

2013-2014 Co-Investigator: Atlanta Clinical Translational Science Institute (ACTSI) research grant to tag medical data streams with patient photographs to decrease patient misidentification errors. (PI, Srini Tripandani, MD, Emory, \$25,000)

2012-2013 Co-Investigator: RSNA Research and Education Foundation: Use of Pediatric CT Protocols among Children with Head Trauma in U.S. Hospitals (PI, Kalpana Kanal, PhD, U Washington, \$10,000)

2011-2012 Co-Investigator: Atlanta Clinical Translational Science Institute (ACTSI) research grant to standardize CT scan patient education video module for informed consent for IV contrast and radiation risk (PI, Lisa Merck, Emory, \$30,000)

2010-2013 Site Co-Investigator: AHRQ CHOICE Application: Multi-Center RCT of US vs CT for Patients with Suspected Renal Colic, 2% salary support, 3 years (PI, Rebecca Smith-Bindman, UCSF)

2010-2012 Consultant, RSNA Education Grant. Meeting the challenges of radiology resident education in the 21st century: redefining the radiology classroom through RAD-SHARE (See, Hear, and Respond Education)- a collaborative pilot endeavor. (PI Dr. Julia Fielding, UNC \$75,000; mentee, resident Alfred Llave, UNC)

2008-9 Collaborator, State-wide non-accidental trauma case review (PI Dr. Roberta Hibbard, \$250,000 annually)

2007-9 Collaborator, (hourly salary support) 'Bone Mineral Density in Childhood Study Group' Panel Review of Bone Age Data, (PI, Dr. Karen Winer, Endocrinology, Nutrition, and Growth Branch, NICHD)

2006-9 Co-investigator, (5% salary support) Growth of airways and lung parenchyma in normal versus premature infa

nts. (PI, Dr. Robert Tepper, \$1,000,000 NHLBI)

2004-6 Collaborator, Ronald McDonald House grant to develop educational coloring book describing imaging test process to children and families for Riley Hospital Radiology dept (PI, Jennifer Steele, \$50,000)

- 2004-7 Site Principal Investigator, ACRIN #6660 multi-center trial of whole-body MRI for pediatric tumor staging (NCI funding to American College of Radiology Imaging Network)
- 1998-2000 Agency for Health Care Policy and Research post-doctoral training grant for master's program in Biostatistics and Epidemiology/Health Services Research, Case Western Reserve University, Cleveland, OH (\$105,000)
- 1997 **Principal Investigator**, Seed Grant, RSNA Research and Education Fund. **Applegate KE**, Goske MJ, Obuchowski N, Alexander F, Copeland R, Lieber M. "The Impact of Imaging on Diagnosis, Management, and Cost in Pediatric Patients with Abdominal Pain Presenting to the Emergency Department: A Comparison of Capitated Versus Fee-For-Service Plans" (\$20,000)
- 1997 **Principal Investigator**, Society for Pediatric Radiology Research and Education Foundation Grant. **Applegate KE**, Goske MJ, Obuchowski N, Alexander F, Copeland R, Lieber M. "The Impact of Imaging on Diagnosis, Management, and Cost in Pediatric Patients with Abdominal Pain Presenting to the Emergency Department: A Comparison of Capitated Versus Fee-For-Service Plans" (\$4850)
- 1997 Co-Principal Investigator, Department of Pediatrics Research Fund, Cleveland Clinic Foundation. "The Impact of Imaging on Diagnosis, Management, and Cost in Pediatric Patients with Abdominal Pain Presenting to the Emergency Department: A Comparison of Capitated Versus Fee-For-Service Plans" (\$5,000)
- 1997,1998 Co-P.I., Division of Education Summer Research Program for medical students, Cleveland Clinic Foundation. "The Impact of Imaging on Diagnosis, Management, and Cost in Pediatric Patients with Abdominal Pain Presenting to the Emergency Department: A Comparison of Capitated Versus Fee-For-Service Plans" (used training grants for students performing research, \$4,500)

23. Clinical Service Contributions:

- 2009-present Pediatric radiology-gastroenterology clinical conferences; rad resident journal club; clinical radiology pathology surgery conference; new faculty and fellow orientation; new resident orientation; annual introduction to research course for rad residents; annual board review (2016: 6 hours)
- 2006-9 Pulmonary-radiology monthly conference
- 2005-8 Administrative responsibilities for pediatric radiology services at Methodist Hospital
- 2004-9 Office for Women Advisory Council at IUPUI (chair, Kathleen Grove, director of the office for women and professional development)
- 2002-3 Curriculum development--(hard copy and on electronic departmental intranet)--including orientation materials, reference textbooks and literature, rotation expectations, imaging protocols, for the pediatric radiology rotation for radiology residents and medical students (with Shawn Teague, Darryl Heitkamp, Hal Kipfer; 2004-with Boaz Karmazyn)
Radiology resident rotation monthly web-based examination development and implementation (with Darryl Heitkamp, Hal Kipfer)
- 2003-8 Pediatric body CT protocol development; multi-detector CT protocol development; contrast safety issues policy; radiation dose reduction protocols

- 2002-9 Clinical conferences with child abuse team and review of imaging with prosecutors, social and family services; sporadic clinical conferences for urology, hematology/oncology, neonatology
- 1998 Pediatric radiology section coordinator for MRI; section coordinator for radiology resident teaching and teaching file, Cleveland Clinic Foundation
- 1993-1995 Radiology resident teaching and supervision, morning conference presentations, and clinical conferences: Urology, Surgery, Oncology, Orthopedics, Radiologic-Pathologic Correlation, Children's Hospital

24. Formal Teaching and mentoring:

a. Medical Student Teaching:

- 2009-13 Emory undergraduate students with interest in medical careers—created new volunteer program in radiology; diversity student volunteer program and research mentor
- 2009-17 Fourth-year medical student elective in quality and safety in radiology (2009: Erin Kinney; Marae Shewmaker; 2016 visiting Meharry student Christina Konstanopoupos)
- 2010 Discovery research student co-mentor with Dr. Lisa Merck (Margaret Gipson)
- 2010-7 Second-year medical student elective in quality and safety in medicine, (2010: David Johnson; 2012 Sarah Franklin; 2013 Rika M, Ellie S; 2014 Meredith Bowen; 2015 Diane Siegel; 2015 co-mentor with Dr. Tridandapani Discovery students Alex Chung, Ariadne DeSimone; 2016 Stephanie Wagner, Kara Alcegueire); medical student project mentoring: other research and quality project mentoring students 2015 Tammy Kim (radiology match); 2016 Lindsey Urquia, Divya Kishore, Brianna Vey (Discovery student spring 2017); 2016 R1 Paty Balthazar; 2016 MSIV at Michigan state Yasha Parikh—daughter of co-radiology resident at Dartmouth)
- 2003-6 Evidence-based medicine course, 1st year medical student small group leader
- 2006 Seminar for med students interested in surgery careers (with Dr. Alan Ladd)
- 2007-9 Faculty, pediatric forensic fellowship program
- 2005-8 Medical student advisor, Kerry Fitzgerald Hege
- 2004 Medical student advisor, Elizabeth Werner
- 1989-1993 Medical student teaching, clinical conferences, Dartmouth-Hitchcock Hospital

b. Graduate Program:

- 2009-17 Teaching radiology and pediatric residents; medical student supervision; formal teaching conferences; resident and fellow education on quality and safety; and clinical conferences (monthly pediatric gastrointestinal conference), annual oral board reviews; radiology resident EBM journal club; faculty for introduction to research seminar, dept of radiology residents
- 2004-8 Pediatric resident and staff noon conferences-radiology topics; acute abdominal emergencies; neonatal imaging issues
- 2001-9 Teaching radiology and pediatric residents; medical student supervision; formal teaching conferences; resident and fellow education on health services research; and clinical conferences (daily in-patient ward rounds; monthly pediatric gastrointestinal and general surgery conference), annual oral board reviews
- 2005-9 Journal Club monthly supervisor, radiology residents, with EBM approach
- 2002-4 Journal Club for pediatric radiology, radiology residents
- 2002-4 Department of Radiology, first year-resident review of Brant and Helms radiology text, pediatric radiology chapter

- 2002-5; 2011-13, 2015, 2016 Mock oral boards or board review, radiology
- 1998-2001 Teaching radiology and pediatric residents, medical student supervision, formal teaching conferences, and clinical conferences (daily in-patient ward rounds, NICU and PICU daily rounds; weekly pediatric radiology didactic conferences and hematology/oncology conferences), annual oral board reviews, Rainbow Babies & Children's Hospital, University Hospital of Case Western Reserve University School of Medicine
- 1995-1998 Teaching radiology and pediatric residents, formal teaching conferences, and clinical conferences, annual oral board review, Cleveland Clinic Foundation
- 1989-1993 Radiology resident teaching, clinical conferences, Dartmouth-Hitchcock Hospital
- 2005-6 School of Public Health, invited lecturer, course on health services research

c. Other:

- 2010-17 Radiological technologist training program, Emory University, (director, Dawn Moore), lectures on radiation protection and clinical quality and safety issues
- 2006-7 Phillips MDCT monthly training course for radiologists and technologists, IU
- 2004-8 Lectures to Clarian technologists on the use of ultrasound in children (bowel US, cranial US, renal US lectures) and Methodist radiology technologists for CT imaging children
- 2005 Lecturer, Inflammatory bowel disease imaging, use of CT and other imaging in children (Peds GI service; state chapter of the Crohn's Foundation)
- 1995-1998 Teaching and medical student supervision, formal teaching conferences, and In-service lectures for radiology and ultrasound technologists, Cleveland Clinic Foundation
- 1994-1995 Invited Speaker, Brigham & Women's Hospital and Boston Regional Radiologic Technologist Conferences
- 1992-1993 In-service lectures for technologists, Department of Radiology, Dartmouth-Hitchcock Hospital

25. Supervisory Teaching:

a. PhD. And M.S. Students:

Shella Farooki, MD, Emory Public Health master's Thesis, 2011-2013
Monica Villareal, Georgia Tech PhD Thesis, 2010-2013

b. Post-doctoral fellows:

Trainees in Pediatric Radiology, American Council of Graduate Medical Education-Approved Fellowship Program (26):

- 2016-2017 Allison Harris (position: private practice, Savannah, GA)
- 2015-2016 Eliza Golden (position: Northside Hospital, ATL) and Brad Rostad (position: Emory U. Radiology)
- 2014-2015 Laura Levy (position: retired; prior position: private practice, Macon, Georgia)
- 2013-2014 Meryle Eklund (position: Medical University S. Carolina)
- 2012-2013 Matthew Lynn (position: Medical College of Georgia)
- 2011-2012 Marianne Mullin Ballisty (private practice, S. Carolina), Hamilton Reavey (Emory fellowship, nuclear medicine; 2013 position at Kaiser of Atlanta), Edward Richer (position at U. Kentucky)

2010-2011	Aruna Polsani (2012 position: research fellow Emory Radiology, then private practice in ATL)
2009-2010	Kris Lewis (2010 position at Med College of Georgia) and Unni Udayasankar (2010 position at Cleveland Clinic Foundation)
2008-2009	Ranjini Ramachandri
2007-2008	Josh Garrett current position: Illinois private practice
2006-2007	Matt Wanner, Lisa Delaney current positions: Clarian Health System, (now IU Health)
2005-2006	Guruprasad Srinath (current position: University of Rochester, NY), Amisha Shah (current position: University of Pittsburgh)
2004-2005	Jim Anderson (current position: private practice, Ohio), Bobby Rejaie (current position, private practice, Houston, TX)
2002-2003	Grace Guo current position: Dupont Children's Hospital
2000	Freddie Drews current position: private practice, Cleveland, OH
1999	James Anderson current position: Children's Hospital, St. Petersburg, FL
1997-1998	Susan O'Malley current position: Cleveland Clinic Foundation, OH
1996-1997	Chris Anton current position: Cincinnati Children's Hospital

c. Trainees of American Council of Graduate Medical Education-Approved Radiology Residency program:

2017-19	University of Kentucky SOM (4-6 resident per year)
2009-2017	Emory University School of Medicine (14-16 residents per year)
2001-2009	Indiana University School of Medicine (15 residents per year)
1998-2001	Case Western Reserve University (6-8 residents per year)
1995-1998	Cleveland Clinic Foundation (6-8 residents per year)

d. Other:

2012-2017	Research resident supervisor: Gelareh Singh, MD
2010-2011	Research supervisor: Brad Rostad, MD (radiology resident research), performance improvement projects in interventional radiology
2007-2009	Research committee mentor for pediatric neonatal intensive care fellow, Laxmi Rao, MD

26. Lectureships, Seminar Invitations, and Visiting Professorships:

National Visiting Professorships (43 sites):

2019	University of Texas Southwest, The Jack Harris Lectureship, Dept of Radiology, Houston, May
2018	CHOP, Dept of Radiology, University of Pennsylvania, Jan
2017	Stony Brook, Dept of Radiology, Long Island, Aug
2017	Case Western Reserve University, Dept of Radiology, Cleveland, May

2016 University of Massachusetts, Dept of Radiology, Worcester, Oct

2016 University of Kentucky, Dept of Radiology, Lexington, Jul

2016 Boston Children's Hospital Dept of Radiology, March

2016 Brigham & Women's Hospital Dept of Radiology, Jan

2015 Michigan State University Dept of Radiology, Grand Rapids, MI, Aug

2015 Vanderbilt University Dept of Radiology and Pediatrics, Nashville, Apr

2015 UC Davis, Department of Radiology, Sacramento, Jan

2014 Boston University, Department of Radiology, Boston, Oct

2014 University of Washington, Department of Radiology, Seattle, Nov

2014 Georgetown University, Department of Radiology, DC, Dec

2014 University of Iowa Healthcare System, 'Defining Quality and Safety', Iowa City, May

2014 University of Utah, Department of Radiology, SLC, Mar

2013 Winthrop-University Hospital, Department of Radiology, Mineola, Long Island, NY, Feb

2012 Case Western Reserve University, Department of Radiology, Cleveland, Nov

2012 Arkansas Children's Hospital, University of Arkansas Department of Radiology, Little Rock, Nov

2012 Henry Ford Hospital, Department of Radiology, Detroit, Mar

2012 NYU Medical Center, Department of Radiology and Pediatrics, Jan

2011 Medical University of South Carolina, Department of Radiology Charleston, Feb

2010 University of Vermont, Department of Radiology, Burlington, Jan

2010 Dartmouth University/Mary Hitchcock Hospital, Lebanon, NH, Jan

2009 University of Nebraska's Children's Hospital & Medical Center (Dept of Radiology and Dept of Pediatrics lectures), Omaha, Oct

2009 University of Utah, Department of Radiology, Salt Lake City, Sept and Oct

2009 Thomas Jefferson University Hospital, Department of Radiology, Philadelphia, Jan

2009 Emory University, Department of Radiology, Atlanta, Jan

2008 Weill Cornell/New York Presbyterian Department of Radiology, NYC, Oct

- 2008 Long Island Jewish Medical center, Department of Radiology, Oct
- 2008 UNC, Dept of Radiology Annual Research Day Keynote Speaker, Chapel Hill, May
- 2007 Columbia University Department of Radiology, 'The imaging of children with abdominal pain and possible malrotation'; 'Evidence-based imaging approach to intussusception'; resident board review;, NYC, Jan
- 2005 Massachusetts's General Hospital, Department of Radiology, Boston, Mar
- 2005 Brigham & Women's Hospital, Department of Radiology, Boston, Mar
- 2005 University of Washington, Department of Radiology, Seattle, Mar
- 2005 Medical College of Georgia, Dept of Radiology and Dept of pediatrics, 'Evidence-based management approaches to children with intussusception'; oral board review of pediatric GU, neonatal chest, abdomen, and CNS, Augusta, Jan
- 2003 University of Pittsburgh, Department of Radiology, Pittsburgh, Sept
- 2003 Hospital for Sick Children, Toronto, Department of Radiology,, 'The imaging of children with abdominal pain'; 'Using health services research techniques to evaluate children with acute abdominal pain'; 'What is health services research?'; resident oral board review; Aug
- 2002 Columbia University, Department of Radiology, 'The imaging of children with abdominal pain'; 'Using health services research techniques to evaluate children with acute abdominal pain'; resident board review;,NYC, Sept 11
- 2000 University of Cincinnati Children's Hospital, Department of Radiology, 'Imaging Children with Acute Abdominal Pain: A Health Services Approach; 'How to Read the Cost-effectiveness Analysis Literature', Cincinnati, OH, Apr
- 2000 University of Missouri Health Sciences Center, department of radiology, 'Imaging Children with Acute Abdominal Pain: Utilization, Cost-effectiveness Analysis, and Impact on Appendectomy Outcomes'; and resident board review, Columbia, MO, Mar
- 1996 University of Cincinnati Children's Hospital, dept of radiology, Cincinnati, OH, Feb
- 1995 Dartmouth-Mary Hitchcock Hospital, "The Imaging of Child Abuse" and radiology resident board review, Lebanon, NH, Jan

Named Lectures/Panels (9):

- 2020 National Academies of Sciences, Engineering, and Medicine virtual meeting, invited speaker and organizer, to support strategic planning for training of medical students and medical professionals on radiation health effects, Nov (funding from NCI; organizers, Ourania Kosti, K Applegate,)

- 2019 The National Academy of Sciences Beebe Symposium on 'The future of low dose radiation research in the United States', invited panel speaker, May 7-8, Washington, DC (organizer, Ourania Kosti, Nuclear and Radiation Studies Board)
- 2019 The Jack Harris Lecture, 'The evidence base on imaging management of children with possible acute appendicitis' UTSW, Houston, (May 2)
- 2017 The Castile Lecture, 'Radiology and The Patient Experience', Case Western Reserve University, (May 16), Cleveland
- 2015 The Heller Lecture, 'Evidence-based imaging of acute abdominal pain in children', Vanderbilt, Apr
- 2012 The Preston M. Hickey Memorial Lecture, 'Image Wisely and Image Gently', Michigan Radiological Society, Mar
- 2011 **The Dade Moeller Lecture (keynote), Health Physics Society Annual Mtg, Palm Beach, Jun; [first woman to give this named lecture]**
- 2009 The Haggstrom Distinguished Lecture, University of Nebraska, Dept of Pediatrics, Oct
- 2003 The Brogdon Panel, Association for University Radiologists, 'Challenges in Radiology Resident Education', AUR annual meeting, Miami, Apr

27. Invitations to National or International Conferences:

International Lectures (51 programs):

- 2021 Invited speaker, European Commission funded TM (virtual) on justification of imaging, Apr 2021
- 2021 IAEA virtual TM speaker, Developing Effective Methods for Radiation Protection Education and Training of Health Professionals, Mar 2021
- 2021 Invited speaker, EURADOS Winter School (virtual) on Dose and Effects to the Embryo/Fetus, Feb 2021
- 2020 Invited presenter--*virtual due to COVID* (abstract on ICRP TG 109), IAEA Radiation Safety mtg, Vienna, Nov
- 2020 Invited speaker, medical session and panel discussion on prevention of accidents, International Radiation Protection Association (IRPA) 15th mtg, Seoul, May—*postponed due to COVID to Jan 2021*
- 2020 Invited panelist, EuroSafe Imaging Session, European Congress of Radiology/ESR, Vienna, Mar—*moved to virtual mtg Jul due to COVID*
- 2019 Keynote speaker, Low dose effects and medical research (Justification and the Adverse Outcomes Pathway), International Dose Effect Alliance (IDEA) annual conference, Charlotte, Dec
- 2019 Participant, Nuclear Energy Agency (NEA) High Level Group on Low Dose Research (HLG-LDR), 3rd mtg, Charlotte, Dec
- 2019 Invited panelist, ICRP biennial symposium, medical radiation protection session, Adelaide, Nov
- 2019 Invited speaker, Asian and Oceanic Society for Paediatric Radiology (AOSPR)- Update on Intussusception; ICRP Publication 135 and DRLs; Seoul, Sept

- 2019 Visiting Professor, Asan Medical Center dept of radiology, Seoul, Sept
- 2019 Visiting Professor, Kyoto Prefectural University of Medicine (KPUM) dept of radiology (Image Gently and ICRP P135 DRLs), Kyoto, Dec
- 2018 Invited speaker and co-moderator at a series of workshops in Japan with scientists at RERF, QSDT, NCC, and JANNUS on The ICRP Task Group 111 on "Factors Governing the Individual Response of Humans to Ionising Radiation" Hiroshima and Tokyo, Dec
- 2018 Invited speaker and moderator at the First Annual United Arab Emirates Radiation Protection Week mtg in collaboration with the ICRP and FANR (current work package for committee 3 on medicine of ICRP; future plans, DRLS, open discussion), Abu Dhabi, Nov
- 2018 Invited speaker and co-moderator at the Chinese Society of Technologists (CSIT) and Chinese Society of Radiology; (ICRP P135 and Image Gently); separate mtgs with ISRRT and CSIT leaders; ICRP C3 annual mtg, Beijing, Nov
- 2018 Panel discussion participant by the ICRP Main Commission on its current system of radiological protection, needs, gaps (round table event) at the ICRP 90th anniversary with Special Liaison Organization representatives, Oct, Stockholm
- 2018 Visiting speaker, Karolinska University Hospital, Stockholm, Oct
- 2018 Invited speaker, World Congress on Medical Physics & Biomedical Engineering (IOMP session), Prague, Jun
- 2018 Invited speaker, Canadian RP conference, in collaboration with ICRP, Quebec City, May
- 2017 Invited expert, speaker, and moderator for 'International Conference on Radiation Protection in Medicine' organized by the IAEA/WHO/PAHO (separate one day WHO workshop to finalize pediatric diagnostic imaging parent brochures organized by Maria Perez), Vienna, Dec
- 2017 Invited Expert for PAHO/WHO workshop on quality assurance in radiology (multiple lectures), Port of Spain, Trinidad, Nov 11-12
- 2016 Radiology Society of South Africa (RSSA) invited speaker for series of lectures in pediatric radiology and Image Gently, Cape Town, Nov
- 2016 Keynote speaker at WHO/IRPA/IOMP regional workshop 'Radiation safety culture in healthcare: A focus on paediatric imaging', Cape Town, Nov
- 2016 Egyptian Paediatric Radiology Symposium, Plenary Speaker and series of lectures on radiation protection and pediatric radiology, Cairo, May
- 2015 IAEA training workshop on radiation safety and pediatric imaging, 19 countries from Africa, keynote on Image Gently messaging, Nairobi, Nov

- 2015 USOFARI annual meeting—this year on pediatric radiology--keynote; launch of first AfroSafe chapter in Uganda, Kamapala, Nov
- 2015 Keynote Lecture at Italian Conference on Pediatric Radiation Protection: 'The Image Gently Campaign: Partnerships to Improve Radiation Protection of Children', Pisa, Italy, March
- 2015 Keynote lecture on Image Gently: PACORI [8th Biennial Pan-African Congress of Radiology and Imaging]--pediatric imaging lectures and one day workshop on radiation protection, Nairobi, Kenya, Feb (Grand Rounds lecture at National Kenyatta Hospital combined Internal Medicine and Pediatrics depts; radiology resident lectures)
- 2014 American College of Radiology Visiting lecture and Training Program on Ultrasound and Pediatric Imaging, Port-au-Prince, Haiti, Mar
- 2013 IAEA technical meeting on referral guidelines justification (moderator, radiation protection, representing Image Gently and ACR), Vienna, Austria, Mar
- 2012 IAEA expert visit to Israeli Ministry of Health (office of technology assessment) with lectures on pediatric imaging appropriateness and radiation dose issues, Tel Aviv, Israel, Apr
- 2011 Faculty, Trans-Arab International Pediatric Radiology Conference, Bidaa, Kuwait, Nov
- 2010 Faculty, moderator, and co-program coordinator (with Dr. Maria Perez), World Health Organization (WHO) session on Radiation protection in medicine, emphasis on the fetus and children, at the International Radiation Protection Association (IRPA) mtg, Helsinki, Jun
- 2010 Invited speaker, "Imaging children with acute abdominal pain", Helsinki Children's Hospital, Finland, Jun
- 2010 IAEA expert visit and visiting professor, United Arab Emirates (5 hospitals), Feb
- 2010 WHO sponsored (co-sponsor, International Radiology Quality Network) meeting on international pediatric radiology guidelines, lecturer on justification, radiation protection culture in the USA, guideline development, Geneva, March
- 2009 Invited speaker, 'Justification of imaging in children', 'The Image Gently Campaign and parent educational outreach', at the World Health Organization's Global Initiative on Radiation Safety in Healthcare Settings mtg, Busan, Korea, Jun
- 2009 Faculty, Mexican Society of Radiology Congress and Quality Administration Course, Mexico City, Feb
- 2008 Invited speaker, Royal Hospital for Sick Children department of radiology, Edinburgh, Scotland, Sept

- 2008 Grand Rounds, Royal Children's Hospital, Brisbane (Jun) and Lecturer, Pediatric Radiology and Evidence-based Imaging topics, Royal Brisbane and Women's Hospital and Royal Children's Hospital, Brisbane, Australia (Jan-Jun)
- 2008 Keynote speaker, Queensland branch meeting of the Royal Australian and New Zealand College of Radiology, Coolumb, AU, May
- 2008 Invited speaker, Quality and safety issues in radiology, Royal Perth Hospital; Visiting Professor, Royal Perth Hospital and Princess Margaret Hospital for Children, Department of Radiology, Perth, AU, Jun
- 2008 Invited speaker, Quality Improvement conference for public hospital radiology departments of Queensland, 'National QI approaches of the American College of Radiology', Brisbane, AU, Feb
- 2008 Invited speaker, 'Controversies in imaging of acute abdominal pain in children', department of radiology, Melbourne Children's Hospital, AU, Feb
- 2008 Invited speaker, 'Acute abdominal pain in children: imaging choices', department of radiology, Starship Children's Hospital, Auckland, New Zealand, Jan
- 2006 **RSNA International Visiting Professor** to Malaysia (Kuala Lumpur and Kota Baru), 3 weeks, Jun
- 2006 Invited speaker, Australasian Society of Pediatric Imaging annual meeting, Christchurch, New Zealand, Oct
- 2004 Faculty, 'The role of CT in children with suspected acute appendicitis', International Congress of Radiology and Canadian Association of Radiologists conference, Montreal, Canada, June

Presentations/Invited Lectures (238 programs):

- 2020 Invited KeyNote Speaker, American Society of Veterinary Radiology annual VIRTUAL mtg—*due to COVID* (Radiological Protection of the Veterinary Patient and the Image Gently Campaign), Reno, Oct
- 2019 Faculty, AAPM annual mtg, (CT optimization) San Antonio, July
- 2019 Panelist and presenter, National Academy of Science, Engineering, and Medicine (NAS) Gilbert Beebe Symposium 'The Future of Low-Dose Radiation Research in the United States', Washington, DC, May 8-9
- 2018 Faculty and moderator, RSNA refresher courses (3—Sunday Physics Track: Radiation Accidents, what do you do next?; Tuesday full morning integrated scientific health services research session with refresher course track recurrent session on 'How to be a Quality Officer—Just Do It'; Thursday health policy, quality and safety track, recurrent session on 'Physician Payment Reform: Where Do We Stand and Where Are We Going?'), Chicago, Nov
- 2018 Faculty, Pennsylvania Chapter of the ACR, RLI Program Faculty--lectures on Quality and Safety in Radiology ('Do no harm, developing a culture of quality'; Using QI for team teaching and collective learning'), annual mtg, Pittsburgh, Oct

- 2018 Kentucky Children's Hospital Quality Update for Pediatric Radiology, Lexington, Jun
- 2018 Faculty, ACR annual meeting, AAWR/RLI speed mentoring session, Washington, DC, May
- 2018 Moderator and invited faculty, NCRP annual meeting, Washington DC, Mar
- 2017 Faculty and moderator, RSNA refresher courses (health services, policy, and research) (2) (1 SAMs course) education, Chicago, Nov
- 2017 Speaker, Grand Rounds University of Kentucky Dept of ED, 'It's A Team Effort: Evidence-based imaging and standardized communication for clinically suspected appendicitis', Nov
- 2017 Faculty, AAPM session 'Tailoring CT Protocols to the Age and Size of the Patient', (with Frank Ranallo, Donovan Bakalyar), Washington, DC, Aug
- 2017 Speaker, Grand Rounds University of Kentucky Dept of Pediatrics, 'It's A Team Effort: Evidence-based imaging and standardized communication for clinically suspected appendicitis', Jun
- 2017 Faculty, ACR educational track courses (2) on pediatrics and quality (2 SAMs courses), Speed Mentoring session (AAWR/RLI program) (1), DC, May
- 2017 Faculty, AUR SAMs course and AUR research and education session update on grant recipient reports and REF history, Hollywood, May
- 2017 Speaker, IAEA Webinar (recorded) on justification and optimization for paediatric CT, Apr
- 2017 Faculty, ACR-RBMA Practice Leader's Conference, 'Show Me the Quality: The New Deal in Health Care' and Panel Discussion with Keith Chew, Orlando, Jan
- 2017 Speaker, IAEA Webinar (recorded) on optimization and best practices for paediatric chest radiography, Feb
- 2016 Faculty, SCBTMR annual mtg, Workshop on CT optimization; Roundtable on PQI; SLC, Sept
- 2016 Faculty, National live/recorded webinar, "Appropriate use of imaging in the ED", National Association of Medical Toxicologists (in conjunction with the emergency medicine trainees), Jun
- 2016 Faculty and moderator, American College of Radiology annual mtg, "Strategies in imaging the moving child (MRI and CT)", DC, May
- 2016 Faculty, *A Symposium to Celebrate the Centennial of the Columbia University Center for Radiological Research: Radiation and Cancer-Understanding the Two Edged Sword*
"Safety Culture and the Image Gently Campaign in Radiology: A Paradigm Shift", NYC, Apr

- 2016 Faculty, Texas Radiology Society, Radiology Leadership Institute featured speaker and panelist, Quality and Safety Metrics in Radiology; radiology resident lecture: Your future in the ACR; San Antonio, Apr
- 2016 Faculty, AUR research and education foundation (REF) update and moderator for session on grant award recipient work and history of the REF, San Diego, Apr
- 2016 Research in Progress Presentation, "Visible Light Imaging: A Path to Patient-Centered Medical Imaging" with Dr. Tridandapani, Emory Biomedical Informatics School, Mar
- 2015 Faculty, RSNA Refresher courses (2), Scientific keynote lecture in health services research & policy (1) and moderator (2 sessions), Chicago, Nov
- 2015 Faculty, AAWR lecture (Tuesday), 'Career development in quality and safety' at RSNA annual mtg, Nov
- 2015 Faculty, New York Department of Health live webinar series (and enduring materials) on safety culture and Image Gently, July
- 2015 Faculty, Georgia Radiological Society, Hilton Head, Jun
- 2015 Faculty and program planning committee member, workshop on appropriate use of imaging tests in the emergency dept setting, Society of Academic Emergency Medicine (SAEM) mtg, San Diego, May
- 2015 Faculty, ACR 2015 annual mtg, Washington DC
- 2015 Faculty, AUR annual mtg, New Orleans, Apr
- 2015 Faculty, ACR Practice Leader's mtg, Atlanta, Jan
- 2015 Faculty, ACR BOC/CSC winter mtg, Reston, VA, Jan
- 2014 Emory Introduction to Research for Residents Program, Sept
- 2014 Emory Dept of Radiology Grand Rounds, ATL, Nov
- 2014 Faculty, Washington State Rad Society, Seattle, Nov
- 2014 Faculty, ACR Board mtg, Park City, Sept
- 2014 Faculty, SCBTMR mtg, New Orleans, Sept
- 2014 Faculty, Association of Hospital Radiology Administrators mtg, DC, Aug
- 2014 Faculty, ACR Leader Orientation (BOC/CSC), Reston, VA, Jun
- 2014 Faculty, Quality Research Day, Emory Dept of Internal Medicine, May

- 2014 Faculty, Society for Academic Emergency Medicine annual mtg, Dallas, May
- 2014 Faculty, Conference on Radiation Control Program Directors, ATL, May
- 2014 Faculty, Radiology Business Managers Association annual mtg, Charlotte, May
- 2014 Faculty, Wisconsin Radiological Society annual mtg, Mar
- 2014 Faculty, Society of Academic Emergency Medicine mtg, Dallas, May
- 2014 Faculty, ACR annual mtg, Washington DC, Apr
- 2014 Faculty, AUR annual mtg (RRA, AMSER programs), Baltimore, Apr
- 2014 Faculty, National Council of Radiation Protection (NCRP) mtg, DC, Mar
- 2014 Faculty, Grand Rounds (Appropriateness Criteria for Imaging), Egleston Children's Hospital, Atlanta, Jan
- 2013 Faculty, RSNA Refresher Course, Chicago, Nov
- 2013 Faculty, ACR Radiology Leadership Institute (RLI) **Webinars** on Quality Tools and Team Teaching, The Culture of Safety, and Radiation 'Do No Harm', Jan, Mar, Oct
- 2013 Faculty, Society of Academic Emergency Medicine, Atlanta, May
- 2013 Faculty, ACR annual mtg, Washington DC, Apr
- 2013 Faculty, AUR annual mtg, Los Angeles, Apr
- 2013 Grand Rounds, 'Radiation Safety: Past, Present, and Future', Northeast Georgia Health System, Mar
- 2013 'Quality and Safety Culture'; 'ACR update' at the Indiana state chapter annual meeting, Indianapolis, Mar
- 2012 Faculty, 'Creating a Culture of Quality', Pennsylvania Radiological Society Annual Mtg and RLI faculty, Philadelphia, Sept
- 2012 ACR Annual Forum participant, Washington DC, Jun
- 2012 Faculty, 'The ACR update', "The Image Gently and Image Wisely Radiation Protection Campaigns' Radiological Society of Louisiana annual meeting, New Orleans, Jun
- 2012 Faculty, 'The ACR update', Georgia and South Carolina Radiological Societies' annual educational meeting, Hilton Head, Jun
- 2012 Faculty, 'Cancer risks from CT lung screening', American Thoracic Society, SF, May

- 2012 Faculty, AUR annual mtg, (APDR,AMSER,RASHR PROGRAMS) San Antonio, TX, Mar
- 2011 Faculty, American Association for Physicists in Medicine (AAPM) CT Dose Summit, DEN, Oct
- 2011 Invited Speaker, CDC workshop on Identifying Opportunities for Cancer Prevention During Preadolescence and Adolescence, "State of the evidence: low level medical radiation cancer risks"; "Translating evidence into practice: The Image Gently Campaign" ATL, Aug
- 2011 KeyNote Speaker, The Dade Moeller Lecture, Plenary Session: Radiation Safety Culture: Challenges in the Medical Professions, Health Physics Society, Annual Mtg, Palm Beach, FL, Jun
- 2011 Faculty, 'The ACR Quality Tool Box', Georgia and South Carolina Radiological Societies' annual educational meeting, Hilton Head, Jun
- 2010 Grand Rounds, Scottish Rite Hospital Pediatrics "Does CT cause cancer in children?", ATL, Nov
- 2010 Grand Rounds, Egleston Hospital Pediatrics, ATL, Oct
- 2010 Faculty, ASNR annual mtg, Boston, May
- 2010 Faculty, ACR Body MRI course, Washington,DC, Mar
- 2010 Faculty, SCBTMR annual mtg, San Diego, Apr
- 2010 Faculty, AUR annual mtg, San Diego, Apr
- 2010 Faculty, ARRS annual mtg, San Diego, May
- 2010 Faculty, SPR annual mtg, Boston, Apr
- 2010 Faculty, NCRP annual mtg, Washington,DC, Mar
- 2010 Faculty, Children's Healthcare of Atlanta Radiology Technologist educational conference 'radiation protection issues update', Atlanta, Mar
- 2009 Faculty, 5th annual symposium American Imaging Management (AIM) on radiation protection in medicine, Chicago, Oct
- 2009 Faculty, 24th annual Economics of Diagnostic Imaging 2009 (Educational Symposium), 'Quality and Evidence for imaging'; 'Unintended consequences of pay for performance policies'; 'Comparing imaging and the healthcare systems of Australia and the USA', Washington, DC, Oct
- 2009 Faculty, AUR, APDR and RAHSR annual mtg ('evidence-based journal club', teaching safety issues to residents', 'research in quality of radiology'), Washington, DC, May

- 2009 Faculty, SPR 2009 post-graduate course (evidence-based pediatric imaging', 'malrotation', intussusception', 'child abuse') with SAMs; SPR annual mtg ('small bowel imaging in children: enteroclysis and capsule endoscopy'), Carlsbad, CA, Apr
- 2009 Faculty, Clinical issues with screening pregnant patients prior to ionizing radiation tests; Dose and clinical issues with use of CR/DR; Conference of Radiation Control Program Directors (CRCPD) annual mtg, Columbus, OH, May
- 2009 Faculty, CT enterography and CT enteroclysis in children (with Dean Maglinte). Society for Gastrointestinal Radiology annual meeting, Maui, Mar
- 2008 Faculty, AAWR Refresher course, Imaging safety issues: CT radiation dose reduction, RSNA annual mtg, Nov
- 2008 Faculty, Refresher course, Pay for Performance update with the ACR, RSNA annual mtg, Nov
- 2008 Faculty and moderator, Focus Session, 'How should we teach imaging physics to radiology residents?', RSNA annual mtg, Nov
- 2008 Keynote and moderator, HSR Scientific Session, 'Issues in radiation safety', RSNA annual mtg, Nov
- 2008 Moderator, Focus Session, The role of informatics in academic radiology, annual mtg, Nov
- 2008 Faculty and moderator, Workshop on how to teach imaging physics to radiology residents, AAPM annual mtg, Houston, Jul
- 2008 Faculty, Understanding the 'Wrong Site, Wrong Patient' issues for radiology, Intersociety Summer Conference, Lake Tahoe, Jul
- 2008 Faculty, New techniques versus old ones for small bowel imaging in children, SPR annual mtg, Scottsdale, May
- 2008 Faculty, Evidence-based Practice of Radiology, ARRS annual mtg, Apr
- 2007 Invited speaker, 'Surgical causes of acute abdominal pain in children', UC Davis, department of radiology, Dec
- 2007 Faculty, Refresher course, Pediatric case-based review, 'Imaging children with acute abdominal pain', RSNA annual mtg, Nov
- 2007 Faculty, 'Pediatric imaging: what does it cost?', American Academy of Pediatrics annual mtg, SF, Oct
- 2007 Invited speaker, Indiana Radiological Business Managers Association, Aug, Indy
- 2007 Faculty, SPR annual mtg, group leader, best practices seminar in education, Miami, Apr

- 2007 Faculty and co-director, pediatric radiology-nursing collaborative seminar, SPR annual mtg, Miami, Apr
- 2007 Faculty, Phillips course on junior faculty development, 'Lifestyle issues in academic radiology, AUR annual mtg, Denver, Apr
- 2007 Faculty, 'Teaching evidence-based medicine', RAHSR advanced topics seminar, AUR annual mtg, Denver, Apr
- 2006 Refresher course, Pediatric case-based review, 'Imaging children with acute abdominal pain', RSNA annual mtg, Nov
- 2006 Refresher course faculty, Imaging of intussusception in children, RSNA annual mtg, Nov
- 2006 Faculty, 'Pediatric imaging case-based review with audience participation', American Academy of Pediatrics annual mtg, Atlanta, Oct
- 2006 Speaker and panel member representing the ACR, Stakeholder Meeting on 2006 draft of International Council on Radiation Protection Proposal, Bethesda, MD, Aug
- 2006 Faculty, Riley Hospital Annual Child Care Conference, Child Abuse module, Indianapolis, May
- 2006 Grand Rounds, Riley Pediatrics, 'Pediatric CT imaging: safety and radiation issues', Indianapolis, Apr
- 2006 Faculty, APDR/AUR annual mtg, 'Ideas for educational research on teaching core competencies to radiology residents', Austin, TX, Apr
- 2006 Faculty, AMSER/AUR annual mtg, 'Ideas to increase women choosing radiology careers', Austin, Apr
- 2006 Faculty, Phillips junior faculty development course, AUR annual mtg, Austin, Apr
- 2006 Faculty, ARRS lifelong learning radiology course, Pediatric imaging and EBM, first annual, Phoenix, Feb
- 2006 Faculty, Phillips MDCT training courses, Issues related to CT imaging of children, Indianapolis, Jan
- 2005 Refresher course faculty, Imaging of intussusception in children, RSNA annual mtg, Nov
- 2005 Focus Session faculty, Screening for pregnancy in patients undergoing CT scans, RSNA annual mtg, Nov
- 2005 Invited speaker, Indiana HealthCare Forum, 'Overutilization of imaging', Oct, Indianapolis
- 2005 Invited faculty, 'The imaging of sports injuries in children', Family Medicine residency program, Community Hospital system, Aug

- 2005 Faculty, 'Evidence-based Radiology' in the 3rd annual critical thinking skills seminar, AUR/RASHR joint program, AUR annual meeting, Montreal, May
- 2005 Faculty, 'Teaching evidence-based medicine journal clubs for radiology residents', AUR/APDR joint program, AUR annual meeting, Montreal, May
- 2005 Faculty, 'Generational, Gender, and Cultural Issues that Influence the Future Academic Radiology Workforce', AUR/APCR joint program, AUR annual meeting, Montreal, May
- 2005 Faculty, Phillips junior faculty development seminar, 'How to maintain academic productivity at mid-career', AUR annual mtg, Montreal, May
- 2005 Faculty, '2nd annual panel discussion on diversity and women in radiology selection process, AUR/SCARD joint program, AUR annual meeting, Montreal, May
- 2005 Invited faculty, 'The appropriate use of CT scanning in children', Family Medicine residency program, Community Hospital system, Apr
- 2005 Invited faculty, 'The application of health services research methods in radiology'; 'The value of health services research and evidence-based medicine', School of public health course PBHL P612 (Len Vernick), Apr
- 2005 Faculty, 'Pediatric body CT scanning', Bracco course on imaging, Clarian Health Systems, Mar
- 2005 Faculty, 'Ultrasound techniques for pediatric intussusception and bowel disorders', Northeast Ohio Ultrasound Society (NEOUS), Cleveland, OH, March
- 2005 Invited speaker, 'What is the evidence for imaging diagnosis and treatment of children with intussusception?', Seattle Children's hospital, Mar
- 2005 Invited speaker, 'How to decrease radiation dose in children undergoing CT: protocols and alternative imaging', Ball Memorial Hospital, Muncie, IN, Feb
- 2005 Grand Rounds, Medical College of Georgia, Dept of Pediatrics, 'Evidence-based imaging approaches to children with intussusception', Augusta, Jan
- 2005 Grand Rounds, Riley Hospital, Dept of Pediatrics, 'New diagnostic and management approaches to children with intussusception', Jan
- 2005 Invited speaker, Indiana state chapter of the Crohn's Foundation, Riley, Jan
- 2004 Faculty, Refresher Course, 'Health Care Policy: Its Effect on the Practice of Radiology', RSNA annual mtg, Chicago, Nov
- 2004 Invited speaker, 'CT and radiation dose issues in children', AAP of Indiana Executive committee, Indianapolis, Nov
- 2004 Faculty, Midwest SPR, 'Controversy in imaging approach to children with abdominal pain', Kansas City, Oct 2-3

- 2004 Faculty, Introduction to Research Program for radiology residents, 'How to Use the Methods of Continuous Quality Improvement', Radiologic Society of North America, Annual Meeting, Chicago, Nov
- 2004 Faculty, 'Pediatric MDCT radiation and contrast dose issues', Bracco/ARRS seminar in CT and MR imaging; Indianapolis, Sept 11
- 2004 Faculty, '(Over) Utilization of imaging associated with self-referral practices', Intersociety Summer Conference (ACR), Quebec City, Jul
- 2004 Speaker, 'Why women medical students do not choose radiology careers', AAWR annual luncheon, SPR annual mtg, Savannah, May
- 2004 Faculty, 'Imaging children with possible appendicitis—the more we know the harder it gets?', SPR annual mtg, Savannah, GA, May
- 2004 Faculty, Introduction to Research Program for radiology residents, 'Continuous Quality Improvement for Radiologists', American Roentgen Ray Society annual mtg, May, Miami
- 2004 Faculty, Panel discussion on diversity in radiology selection process, SCARD seminar, annual AUR mtg, SF, Apr 23
- 2004 Faculty, 'Improving reporting of diagnostic test accuracy and the STARD report', AUR annual mtg, SF, CA, Apr
- 2004 Visiting Lecturer, 'The future of research in pediatric radiology', Department of Radiology, Children's Hospital, Boston, Mar 29
- 2004 Invited speaker, "(Over) Utilization of diagnostic medical imaging" with Dr. Ken Kopecky, representing the Indiana Radiological Society, Indiana State Senate Health Care Committee, Indianapolis, Jan 14
- 2003 Faculty, Special Focus Session, Web-based communication for radiologists, Radiologic Society of North America, Annual Meeting, Chicago, Nov
- 2003 Faculty, Introduction to Research Program for radiology residents, Continuous Quality Improvement Research Opportunities, Radiologic Society of North America, Annual Meeting, Chicago, Nov
- 2003 Faculty, 'Audience Response Case Discussion', American Academy of Pediatrics annual mtg, New Orleans, Nov
- 2003 Faculty, "Imaging of Abdominal Emergencies in Children", American Society of Emergency Radiology annual mtg, Las Vegas, Oct
- 2003 Faculty, 'Effect of physician extenders on fellow training in radiology', Intersociety Summer Conference (ACR), Pasadena, Jul
- 2003 Pediatric Grand Rounds, 'Appropriate imaging in children with acute abdominal pain', Riley Hospital for Children, Indiana University, Jul

- 2003 Speaker and moderator, AAWR annual lunch, 'Our 20th anniversary celebration', ARRS annual mtg, San Diego, May
- 2003 Faculty, 'Evidence-based medicine: where is the evidence?' SPR annual mtg, SF, May
- 2003 Faculty, Introduction to Research Program for radiology residents, 'Continuous Quality Improvement for Radiologists', American Roentgen Ray Society annual mtg, May, San Diego
- 2003 Faculty, Brogdon Panel on Challenges in Radiology Resident Education, AUR annual meeting, Miami, Apr
- 2003 Faculty, 'Working Effectively in Groups', Kodak Seminar in Academic Radiology Leadership, 2nd annual, AUR annual meeting, Miami, Apr
- 2003 Research in Progress Seminar presenter, 'The influence of socioeconomic status and insurance on imaging utilization in children with abdominal pain', children's health services research group, Riley Hospital, Jan
- 2002 Faculty, Special Focus Session, What is Health Services Research, Radiologic Society of North America, Annual Meeting, Chicago, Nov
- 2002 Faculty, Refresher Course, The radiology workforce dilemma, co-sponsored by AAWR and Radiologic Society of North America, Annual Meeting, Chicago, Nov
- 2002 Faculty, Introduction to Research Program for radiology residents, What is Continuous Quality Improvement Research, Radiologic Society of North America, Annual Meeting, Chicago, Nov
- 2002 Presidential address, American Association for Women in Radiology business luncheon, RSNA annual mtg, Chicago, Dec 2
- 2002 Faculty, 'Imaging Questions and Challenges', American Academy of Pediatrics annual mtg, Boston, Oct 22-23
- 2002 Research in Progress Seminar presenter, children's health services research group, Riley, June
- 2002 Research Presentation, 'Prospective trial of CT in children with acute abdominal pain', Methodist Emergency Department Research Seminar, May
- 2002 Faculty, 'Non-neurological imaging of child abuse', 30th annual Child Care Conference, Riley Hospital for Children, May 15
- 2002 Faculty, Introduction to Research Program for radiology residents, 'Continuous Quality Improvement for Radiologists', American Roentgen Ray Society annual mtg, May 1, Atlanta
- 2002 Faculty, 'The Propensity Score Method for Reducing Bias in Retrospective Research', Radiology Alliance for Health Services Research, Annual Meeting, conjoint with the Association for University Radiologists, Phoenix, AZ, April

- 2002 Faculty, 'How to Build a High Performance Work Group' at Association for University Radiologists-Kodak Radiology Management Course, Phoenix, AZ, April
- 2002 Faculty, 'What is Cost-effectiveness Analysis and Why Do We Need to Know about it?'; 'How to Read the Cost-Effectiveness Literature'; 'Health Services Research—Why it is Valuable, How it is Done, and Where to Get Funding'; in Radiology Business Management Course, sponsored by Radiologic Society of North America, Phoenix, AZ, Feb
- 2002 Faculty, Mini-medical school course, Indiana University, 'Pediatric Radiology, Health Services Research and the two medical career family', Feb 12
- 2001 Faculty, 'Comprehensive Evaluation of Skeletal Injuries', Annual Seminar, Non-Accidental Head Injuries in Infants, Riley Hospital for Children, Indianapolis, Nov
- 2001 Faculty, 'An Introduction to Cost-effectiveness Analysis', Society for Health Services Research in Radiology, Annual Meeting, San Diego, CA, Oct
- 2001 Thesis Defense, 'Utilization and cost of imaging children with acute abdominal pain presenting to the emergency department: a comparison of capitated versus fee-for-service plans', Case Western Reserve University, Department of Epidemiology and Biostatistics, Cleveland, OH, Apr
- 2001 Faculty, 'Clinical Radiology Research and Epidemiology: Pros and Cons', Cincinnati Children's Hospital Department of Radiology, Cincinnati, OH, Feb
- 2000 Invited Panelist, Refresher Course, 'When appendicitis is suspected in children: Imaging Outcomes', Radiologic Society of North America, Annual Meeting, Chicago, Nov
- 2000 Faculty, 'Research Study Design: Pros and Cons', Society for Health Services Research in Radiology, Annual Meeting, Washington, D.C., Oct
- 2000 Pediatric resident board review, 'Utility of chest and abdominal radiographs in children', Rainbow Babies & Children's Hospital, Cleveland, OH, May
- 2000 Faculty, Refresher Course, 'Imaging in children with right lower quadrant pain', American Roentgen Ray Society, Annual Meeting, Washington, D.C. May
- 2000 Invited Speaker, The 1999-2000 Scholar Report, American Roentgen Ray Society, Annual Meeting, Washington, D.C. May
- 2000 Small group co-leader, Continuous Quality Improvement in Medicine, Case Western Reserve University, First Year Medical Student Curriculum, Cleveland, OH, Feb & Mar
- 2000 Grand Rounds Lecturer 'The role of imaging in children with abdominal pain: a health services research perspective', Department of Radiology, University Hospital, Cleveland, OH, Feb
- 1999 Panelist, Focus Session 'When appendicitis is suspected in children', Radiologic Society of North America, Annual Meeting, Chicago, Nov

- 1999 Invited Lecturer, 'Epidemiology and Appropriateness of Imaging Children with Acute Abdominal Pain in an Emergency Department Setting', Department of Radiology, University of Chapel Hill, Chapel Hill, NC, Nov
- 1999 Faculty, Society for Health Services Research in Radiology Annual Meeting, "The Importance of Sample Size and Power in Research Design", Washington, D.C., Sept
- 1999 Pediatric resident board review, "Pediatric Orthopedic Radiology" and "Pediatric Neuroradiology", Rainbow Babies & Children's Hospital, Cleveland, OH, Jun
- 1999 Seminar presentation "Imaging utilization and clinical characteristics of children with abdominal pain seen in side-by-side emergency rooms", I.M. Page Center for Health Outcomes Research, Cleveland Clinic Foundation, Cleveland, OH, Jun
- 1999 Lecturer, 'Imaging Surprises in Child Abuse', Ohio American Academy of Pediatrics child abuse committee mtg., Columbus Children's Hospital, Columbus, OH, Jun
- 1999 Research in Progress Seminar presentation "The MANTRELS score for children with acute abdominal pain seen in the emergency room", Division of Clinical Epidemiology, Rainbow Babies & Children's Hospital, Cleveland, OH, Mar
- 1999 Seminar presentation "Risk adjustment using the MANTRELS score for children with acute abdominal pain seen in the emergency room", Health Services Research section of the Department of Biostatistics and Epidemiology of CWRU, MetroHealth Hospital, Cleveland, OH, Feb
- 1998 Faculty, Fourth Annual Pediatric Review Course, "Pediatric Orthopedic Radiology" and "Pediatric Neuroradiology", Cleveland Clinic Foundation, OH, Sept
- 1998 In-service for technologists, "The Imaging of Child Abuse", Cleveland Clinic Foundation, division of radiology, Cleveland, OH, Aug
- 1998 Pediatric Abdominal Ultrasound Imaging "How To Do It" lecture for ultrasound technologists-in-training, Sanford-Brown Institute, Independence, OH, Jul
- 1998 Lecturer, Medical-Pediatric monthly conference: "Pediatric and Adolescent Orthopedic Radiology: Fractures, Infections and Tumors", Cleveland Clinic Foundation, Cleveland, OH, May
- 1998 Seminar presentation: "The Impact of Imaging on Abdominal Pain in Children in a Fee-For-Service ED vs. HMO ED", The I.M. Page Center for Health Outcomes Research, Cleveland Clinic Foundation, Cleveland, OH, Jan
- 1997 In-Service on Post-Mortem Radiography of Infants and Children, for Cuyahoga County Morgue Staff, Cleveland, OH, Dec
- 1998 Speaker, American Association for Women Radiologists Annual Resident Luncheon, "Must Ask Questions for the Job Interview", RSNA Annual Meeting, Chicago, IL, Dec
- 1997 Faculty, Third Annual Pediatric Review Course, "Pediatric Orthopedic Radiology" and "Pediatric Neuroradiology", Cleveland Clinic Foundation, Cleveland, OH, Aug

- 1997 Invited Speaker, Fourth Annual Symposium on Current Issues in Pediatric Care, "The Imaging of Abdominal Emergencies in Children", Aultman Hospital, Canton, OH, Jun
- 1997 Cleveland Regional Annual Mock Boards Examiner for radiology residents, University Hospitals, Cleveland, OH, May
- 1997 Pediatric Grand Rounds Lecturer, "Chest Masses in Children", Cleveland Clinic Foundation, Cleveland, OH, Apr
- 1997 Invited Speaker, Northeast Ohio Ultrasound Society, "Cystic Abdominal and Pelvic Masses in the Neonate", Cleveland, OH, Mar
- 1997 Invited Speaker, Cleveland Health Network Continuing Education Lecture, "Non-accidental Trauma in Children", MetroHealth Medical Center, Cleveland, OH, Mar
- 1997 Pediatric Grand Rounds Lecturer, "Imaging in Child Abuse", MetroHealth Medical Center, Cleveland, OH, Jan
- 1996 Invited Speaker, "Pediatric Ultrasound Imaging" and "Imaging of Child Abuse", Pediatric Symposium for Pediatricians, Ft. Lauderdale, FL, Sept
- 1996 Faculty, Second Annual Pediatric Board Review Course, "Pediatric Orthopedic Radiology and Neuroradiology", Cleveland Clinic Foundation, Cleveland, OH, Jul
- 1996 Invited Speaker, Northeast Ohio Ultrasound Society, "Pediatric Ultrasound Interesting Cases", Cleveland, OH, May
- 1996 Pediatric Grand Rounds Lecturer, "Pediatric MR Imaging" Cleveland Clinic Foundation, Cleveland, OH, May
- 1996 Invited Speaker, "Children and Violence: From War to Child Abuse" Conference, Children's Hospital Education Center, Columbus, OH, Mar
- 1996 Guest Lecturer, University of Cincinnati Hospital, Department of Radiology, Cincinnati, OH, Feb
- 1996 Pediatric Grand Rounds Lecturer, "The Imaging of Child Abuse", Cleveland Clinic Foundation, Cleveland, OH, Jan

28. Other Activities:

Research Study Section member:

- 2013- PCORI reviewer (Patient-Centered Outcomes Research Institute), Assessment of Prevention, Diagnosis, and Treatment Options study section
- 2009 NIH study section S10 grant reviewer, SBIB (SRA Dharam Dhindsa), SF, June
- 2008 NIH study section grant reviewer, SBIB-IRG (SRA Xiang-Ning Li)
- 2007 RSNA R&EF 6th annual Research Grants Study Section, Chicago, March
- 2005 NIH study section grant reviewer, SBIB-L (SRA Lee Rosen; Chair, Paul Meaney)
- 2004 RSNA R&EF 3rd annual Research Grants Study Section, Chicago, March
- 2002 RSNA R&EF 1st annual Research Grants Study Section, Chicago, March

Research Collaborations, Mentorship & Grant Review:

- 2017 UK VI2P- Contrast for CT safety grant; co-investigator (M. Winkler PI)
- 2013 Emory University-Georgia Tech Health Innovation Program grant reviewer (HIP-ACTS-GSU Seed Grant)
- 2011- Mentor, Dr. Srinidandipani, radiologist; application for HIP/ACTSI grant to investigate patient face photo in PACS to avoid wrong patient identification
- 2010- Mentor, Dr. Cary Sauer, pediatric gastroenterologist, submitted K award application for IBD research and MRI imaging, 2011, resubmitted 2012
- 2009-11 Co-Investigator, Consent for abdominal CT in the emergency dept: A pilot study (with Dr. Lisa Merck, ED junior faculty and Emory Discovery medical student)
- 2010-13 Co-Investigator, prospective trial of sonography versus CT for renal stone evaluation in emergency dept patients (multi-center Grant; PI Dr. Rebecca-Smith-Bindman at UCSF)
- 2009- Mentor for medical student with radiology career interest (2012: gelareh Singh; 2011: Mike Kassin, Ashish Sethi; David Lamar; 2009-2010: Erin Kinney, Marae Shewmaker); residents interested in research on HSR/quality improvement (2010-2012 Lilly Ivansco; 2009 Keith Herr)
- 2007-8 Mentor for medical student research projects, interest in radiology (Tazeen Jamal, Nick Koontz, Rajiv Kumar, Wes Potts, Ryan Moore, Myra Cruz)
- 2005-8 Medical student advisor, Kerry Fitzpatrick Hege
- 2007 Medical student mentor (Carrie Rouse; Carmen Quiroga; Jennifer Stall)
- 2007-9 Research oversight committee, Laxmi Rao, neonatology fellow research project on CT of lung growth in premature infants
- 2006-8 Imaging interpreter for the TONIC trial; liver MRI in children with NASH (site co-PI, Jean Molleston)
- 2005-6 Mentor on research projects for medical students interested in radiology (Doug Kitchin, Andrey Morozov; Zahra Rabbani)
- 2005-6 Mentor on research project, Vaishali Lafita, Loyola Univ. resident
- 2005-9 Medical student advisor for the AMWA program (Naomi Yum and Kerry Fitzpatrick; Myra Cruz)
- 2005-6 Medical student mentor and research advisor to students interested in radiology careers (Kelly Horst, Anna Krauze, Shanaree Brown, Alecia Sizemore); surgery career (Tony Kaiser)
- 2005 Grant reviewer, Dr. Andrea Doria, appendicitis sonography grant, Physicians' Services Incorporated Foundation, Toronto
- 2003-9 Collaborator with Dr. Antoinette Laskey, imaging best practices and health services research in child abuse; post-mortem radiology review
- 2004-6 Radiology consultant to soy phytoestrogen effects on genital development and sexual identity; Genentech grant, P.I., Dr. Erica Eugster, Riley endocrine division
- 2004-9 Radiology consultant to pulmonary normal vs abnormal hi resolution CT research (wheezing children); site P.I. Dr. Tepper, Riley pulmonary division
- 2004-9 Consultant on pediatric gastrointestinal research, Riley GI division
- 2004-5 External Consultant, University of Rochester department of radiology clinical research curriculum (PI, Alan Katz, prior PI was Arvin Robinson)
- 2004 Medical student research mentor and advisor: Adam Kowalski, Elizabeth Werner
Radiology resident research mentor: Shannon Kauffman, Lisa Delaney
- 2004 Resident mentoring for IU Campbell Klatter research presentation: Lisa Delaney
- 2003-4 NCI multicenter pediatric tumor angiogenesis study with MRI, site co-PI (with Dr. Terry Vik)
- 2002-6 ACRIN #6660 multicenter trial of whole-body MRI for pediatric tumor staging; site PI
- 2003 Resident mentoring for IU Campbell Klatter research presentation: James Anderson, George Dunn

- 2001-3 Medical student research project supervisor: Stacy Spolnik, Greg Titus, Brandie Reid, Eva Smietara, Robin Levenson; summer high school and college students Miriam Conces, Melissa –(Butler University)
2001-2 Resident and fellow research project supervisor: Susan Greenfield, Bobby Rejaie, Parvez Massood, James Anderson
2002-4 Annette Johnson, co-investigator, direct disclosure of imaging results to patients
2001-3 Annette Johnson, MD, GERRAF grant on structured reporting, Collaborator
2001 Valerie Ward, MD, March of Dimes grant reviewer

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a. Published and accepted research articles in refereed journals:

(*resident; #medical student; +fellow mentoring)

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[AUR oral presentation 3rd place Trainee Prize 2017]
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176. Raissi D, Christie A#, **Applegate K**. Waardenburg syndrome and left persistent superior vena cava. *J Clin Imaging Sci*. 2018 Nov 15; 8:44 PMID 30546928
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The Report of AAPM Task Group 293 (2019), chair, John Boone. available on AAPM web site, July, 2019
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b. Manuscripts submitted or in preparation:

Lexa F, Fessell D. (written contributions from **Applegate KE**, xx, xx). Subject: Microaggressions. Leadership Column. *JACR* 2020.

Chieko Kurihara-Saio, et al. The case for updating ICRP publication 62 on biomedical research, with example of scenario in accidental exposure research. Based on presentation at IRPA mtg, Seoul, May

Boddu S+, Corey A, Peterson R, Saindane AM, **Applegate KE**. Fluoroscopic-guided Myelograms: Fluoroscopy time and implications of body-mass index (BMI): a baseline study. (AJNR)*

*Mills A, Marin J, **Applegate KE**, Chatfield M, Kanal K. Radiation dose indices for PE protocol CT performed in the United States and institutional level factors associated with dose variation. (preparation for JACR)*

Vey B#, et al. Provider and sonographer factors associated with ultrasound visualization in pediatric appendicitis. (Ped Radiol)

B Vey, Nabile Safdar, and N Kadom—SIIM paper based on ACR Q&S 2018 mtg poster.

c. Review articles:

d. Symposium article contributions:

1. Keith J. Strauss, Priscilla F. Butler, Marilyn J. Goske, Thomas L. Toth, **Kimberly E. Applegate**, Gregory Morrison. *Image Gently*: An International Education and Communication Campaign in Radiology to Promote Radiation Protection for Children. World Congress of Medical Physics and Biomedical Engineering mtg, Munich, Germany, Aug 2009
2. **Applegate KE**. Pediatric Intussusception. ARRS 2010 Categorical Course on Evidence-based Medicine, May
3. **Applegate KE**. Non-CNS injury in child abuse. ARRS 2010 Categorical Course on Evidence-based Medicine, May
4. Medina LS, Blackmore CC, **Applegate KE**. Principles of evidence-based medicine. ARRS 2010 Categorical Course on Evidence-based Medicine, May
5. Marilyn J. Goske, **Kimberly E. Applegate**, Priscilla S. Butler, Donald P. Frush, Gregory Morrison, Keith J. Strauss; on behalf of the Alliance for Radiation Safety in Pediatric Imaging. *Image Gently*: Partnerships to promote radiation protection for children worldwide. International Pediatric Radiology Mtg, London, May 2011
6. Frush D, Goske MJ, Coombs L, **Applegate K**, Bartz B, Callahan M. Impact of the *Image Gently* Campaigns in the Adult-focused Facility. IAEA mtg, Bonn, Germany, Dec 2012
7. Krupinski EA, **Applegate KE**, Chung A, DeSimone A, Tridandapani S. Impact of Patient Photographs on Radiologists' Visual Search of Chest Radiographs. SPIE extended abstract, Mar 2016, San Diego mtg
8. **Applegate KE**. NCRP 2018 annual meeting presentation, Washington, DC. Optimizing Patient Informed Decision Making: Examples from pediatric and emergency care. Responses to audience Q&A. Health Physics Society 2019.
9. **Applegate KE**. Overview of the Current Activities of the ICRP Committee on Medicine. First Annual United Arab Emirates Radiation Protection Week in collaboration with ICRP and FANR, Abu Dhabi, Nov 11-18. Available on ICRP home page: www.icrp.org
10. Ruhm W, **Applegate KE**. Setting the Scene—The ICRP Task Group on “Factors Governing the Individual Response of Humans to Ionising Radiation”. Abstract for workshop at the Japanese National Cancer Center with RERF, QST, and invited scientists, Tokyo, Dec 12; available on ICRP home page: www.icrp.org

Abstracts/Presentations: (*resident; #medical student; +fellow mentoring)

Scientific paper presentations (105):

- 2020 **Applegate KE** et al. The role of ethics in radiation protection education and training: update on the work of ICRP Task Group 109. IAEA workshop on radiation safety, Vienna, November
- 2020 Cantone MC, et al. Update on the ethics of radiological protection with focus on medicine: work of the ICRP Task Group 109. IRPA mtg, Seoul May
- 2020 Chieko Kurihara-Saio, et al. The case for updating ICRP publication 62 on biomedical research, with example of scenario in accidental exposure research. IRPA mtg, Seoul, May
- 2017 Sadigh G*, Ruth Carlos, Renjian Jiang, Kevin Ward, Jeffrey Switchenko, **Kimberly Applegate**, Richard Duszak. Surveillance imaging for lung and colorectal cancer after curative intent surgery: a population based study. RSNA mtg, Nov
- 2017 Gelareh Sadigh*, Nadja Kadom, Donald Frush, Mythreyi Chatfield, Debapriya Sengupta, Priyadarshini Karthik, Keith Strauss, **Kimberly Applegate**. National Variation in Pediatric Non-Contrast Head CT Radiation Dose Indices. ACR, May
- 2017 Gelareh Sadigh*, Ruth Carlos, Renjian Jiang, Kevin Ward, Jeffrey Switchenko, **Kimberly Applegate**, Richard Duszak. Predictors of Screening Mammography in Patients With Early vs. Advanced Stage Colorectal and Lung Cancer: A Population-Based Study. ACR, May
- 2017 Amy Patel+, Julia Fielding, Katarzyna Macura, **Kimberly Applegate**, Rosalee Zackula, Elizabeth Arleo. Trends in Women's Leadership in the American College of Radiology, 2001–2015: What We Are Learning. ACR, May
- 2017 Sadigh G*, Carlos R, Ward K, Swichenko J, Jiang R, **Applegate KE**. Screening mammography and downstream diagnostic breast imaging in patients with advanced cancer: a population-based study. AUR, May [**Trainee Prize**]
- 2017 Balthazar P*, Konstantopoulos C#, Wick C, DeSimone A*, Tridandapani S, **Applegate KE**. Trainees add value to patient care by decreasing addenda utilization in radiology reports. AUR, May [**Trainee Prize**]
- 2017 B Vey# , **K Applegate**, P Sharp*, N Kadom. Inappropriate skull radiographs in pediatric head trauma patients older than age two years. ASNR, Apr
- 2016 Vey B#, et al. Provider factors associated with ultrasound visualization in pediatric appendicitis. Academic Surgical Congress, Sept
- 2016 Rostad B+, **Applegate KE**, Kim T#, Milla S. Unnecessary Multi-pass Acquisitions are Common in Community CT Abdomen/Pelvis Practice: An Image Gently Opportunity. Int'l Paediatr Radiol mtg, May, Chicago

- 2016 Krupinski E, Chung A#, DeSimone A#, **Applegate KE**, Tridandipani S. Does the Inclusion of Patient Photos in Image Review Impact Viewing Time and Search Strategies? SIIM, May, San Diego
- 2016 Mills, AM, Sengupta D, Bhargavan-Chatfield M, **Applegate KE**, Marin JR, Kanal KM. Radiation Dose Indices for Pulmonary Embolism CT Exams in the United States. SAEM mtg, May, New Orleans
- 2015 Kokabi N*, Xing M, Duszak R, **Applegate KE**, Camacho JC, Kim HS. Survival Trends and Therapeutic Efficacy in Unresectable Hepatocellular Carcinoma and the Effect of Sociodemographic Determinants of Receipt of Cancer Directed Therapy: a SEER-Medicare Population Study RSNA mtg, Nov
- 2015 Sadigh G*, Saindane A, **Applegate KE**. Prevalence of Unanticipated Events Associated with MRI Examinations: a Benchmark for MRI Quality, Safety, and Patient Experience. RSNA mtg, Nov [**Trainee Prize**]
- 2015 Sadigh G*, **Applegate KE**, Ng T*, Hendrix K, Tridandipani S. Determining Social Acceptance for the Use of Patients' Photographs Integrated with Medical Imaging Studies to Reduce Wrong Patient Errors (expanded, all stakeholder survey). SIIM mtg, May [**Trainee Prize**]
- 2015 Sadigh G*, Kimberly E. Applegate, MD, MS; Pina C. Sanelli, MD, MPH; Arl Van Moore, Jr, MD. Performance of Academic versus Private Radiologists in Practice Quality Improvement as Part of the Maintenance of Certification Program: How Are We Doing? AUR mtg, Apr
- 2014 Kokabi N*, Xing M, Duszak R, **Applegate KE**, Camacho JC, Kim HS. Contemporary Clinical Trends in Surgical Resection vs. Percutaneous Thermal Ablation Therapy for Stage I Renal Cell Carcinoma: a Surveillance, Epidemiology and End Results (SEER) Population Study. RSNA mtg, Nov
- 2014 Xing M, Kokabi N*, Duszak R, **Applegate KE**, Camacho JC, Kim HS. The Effect of Demographics and Socio-Economic Factors on Survival in Unresectable Hepatocellular Carcinoma: a Surveillance, Epidemiology and End Results (SEER) Population Study. RSNA mtg, Nov
- 2014 Sadigh G*, Zou K, Rhazavi S*, Khan R, **Applegate KE**. A Systematic Review and Meta-Analysis of Air versus Liquid Enema Stratified by Technique for Intussusception Reduction in Children. RSNA mtg, Nov [**RSNA Research Award in resident category**]
- 2014 Sadigh G*, **Applegate KE**, Ng T*, Hendrix K, Tridandipani S. Determining Social Acceptance with the Use of Patients' Photographs Integrated with Medical Imaging Studies to Reduce Wrong Patient Errors (parent survey). RSNA mtg, Nov
- 2014 Hanna T, Streicher, D*, Razavi SA*, Johnson JO, **Applegate KE**. Oral contrast transit in ED patients with acute abdominal pain. RSNA mtg, Nov (also as poster presentation, ASER mtg, OCT)
- 2014 Merck L, et al. Written Informed Consent for Computerized Tomography Decreases CT Utilization in Low Risk Emergency Department Patients. SAEM mtg, Dallas, May

- 2014 Sanelli P, **Applegate KE**. Practice Quality Improvement as the Final Piece in the Maintenance of Certification Program: How Are We Doing? AUR mtg, Baltimore, Apr
- 2014 Gelareh Sadigh*; Sadhna Nandwana; Courtney A. Coursey; Kelly Cox; Deborah A. Baumgarten; Tiffany Easter; **Kimberly E. Applegate**. Comparative Effectiveness of Contrast-enhanced Abdominal CT versus Noncontrast plus Contrast-enhanced CT in the Evaluation of Patients with Possible Hypervascular Liver Metastases or Hepatocellular Carcinoma (blinded rater study). AUR mtg, Baltimore, Apr
- 2013 Sadigh G*, Baumgarten D, **Applegate KE**. Comparative effectiveness of contrast-enhanced CT versus non-contrast plus contrast enhanced CT in the evaluation and management of patients with hypervascular liver metastases: A critically appraised topic. RSNA mtg, Nov
- Sadigh G*, Khan R, Kassin M*, **Applegate KE**. Radiation knowledge and perception among residents: A potential improvement opportunity for Graduate Medical Education in the United States. RSNA mtg, Nov
- 2013 Boddu S+, Fountain J, Saindane A, **Applegate K**, Corey A. Fluoroscopic-guided lumbar puncture: Fluoro time and implications of body mass index. ASNR mtg, San Diego, May
- Boddu S+, Fountain J, Saindane A, **Applegate K**, Corey A. Fluoroscopic myelogram: Fluoro time and patient body mass index. ASNR mtg, San Diego, May
- 2013 Kanal K, et al. Variation in the CT pediatric head exam radiation dose in USA: Preliminary results from an ongoing survey of US hospitals. Internal Congress of Medical Physicists, Brighton, UK, Sept
- 2013 Johnson JO, Albuna MG, Yancey I, et al. The Impact of Introducing a No Oral Contrast Abdomen Pelvic Examination (NOCAPE) Pathway on Radiology Turn Around Times, Emergency Department Length of Stay and Patient Safety. ARRS annual mtg, Washington DC, Apr
- 2012 Frush D, Goske MJ, Coombs L, **Applegate K**, Bartz B, Callahan M. Impact of the *Image Gently* Campaigns in the Adult-focused Facility. IAEA mtg, Bonn, Germany, Dec
- 2012 Yan X+, et al. Imaging Quality of F-18-FDG PET/CT in the Inpatient vs Outpatient Setting. RSNA annual mtg, Dec
- 2012 Lisa H. Merck MD MPH, Kate Heilpern MD, Debra Houry MD MPH, Michael Holdsworth MD, Laura A. Ward MSPH, **Kimberly Applegate MD MS**, Douglas W. Lowery-North MD MSPH. Predictors of Positive Findings in Abdominal Computerized Tomography in the Emergency Department. ACEP annual mtg, Jun
- Michael Holdsworth MD, Laura A. Ward MSPH, Douglas W. Lowery-North MD MSPH, Kate Heilpern MD, Debra Houry MD MPH, **Kimberly Applegate MD MS**,

- Lisa H. Merck MD MPH. When Do We Order CT to Assess Abdominal and Pelvic Pain? A Predictive Model of Computerized Tomography Utilization in the Emergency Department. ACEP annual mtg, Jun
- 2012 Nicholson A*, Aiken AH, Nahab F, **Applegate KE**. Comprehensive Up-front Stroke Imaging: Impact of Training and Quality Interventions on Key Turnaround Time Metrics during the First Year after Implementation. AUR mtg, Mar and ACR annual mtg, APR
- 2012 Ivansco L*, **Applegate KE**, Melzter C. Patient preferences for direct imaging results: a survey. AUR mtg, Mar
- 2012 Lemmon A*, Fountain J, **Applegate KE**. Understanding the unintended consequences of a new eEMR implementation on access to imaging studies: A process improvement project. ACR annual mtg, Apr
- 2012 Merck L, Holdsworth M#, Keithley J, Houry D, Ward L#, Lowery-North D, **Applegate KE**, Heilpern K. Informed Consent for Computerized Tomography via Video Educational Module in the Emergency Department. SAEM mtg, Chicago, May
- 2010 Sauer C, **Applegate KE**, et al. Radiation doses to children with Inflammatory Bowel Disease who undergo diagnostic imaging; Digestive Diseases Weekly annual mtg, May
- 2009 Kinney E# **Applegate KE**, Shewmaker M, Wright R, Tannir H, Kim K. Standardizing interventional radiology first case start times: a performance improvement project. AUR 2010 mtg, Apr
- 2009 Herr K* Gunsby L, Longfellow S, **Applegate KE**. Understanding quality control and communication between technologist and radiologist: a process improvement project. AUR 2010 mtg, Apr
- 2009 Frush D et al. Image Gently: an international educational campaign to reduce radiation dose in children. Presented at the World Health Organization's Global Initiative on Radiation Safety in Healthcare Settings mtg, Busan, Korea, Jun
- 2009 Keith J. Strauss, Priscilla F. Butler, Marilyn J. Goske, Thomas L. Toth, **Kimberly E. Applegate**, Gregory Morrison. *Image Gently*: An International Education and Communication Campaign in Radiology to Promote Radiation Protection for Children. International Physics mtg (IAEA), Munich, Germany, Aug
- 2009 Harris TL, Hicks RA, Laskey AL, **Applegate K**, Hibbard RA. Indidence of occult injury in young siblins and housemates of abused children. Presented at the midwest mtg on child abuse
- 2009 Cohen MD, Corea DD, Wanner MR, Karmazyn B, Gunderman RB, Patterson R, **Applegate K**, Jennings SG. Evaluation of a new phoshor plate technology for neonatal chest radiographs. RSNA 2009 mtg, Nov
- 2008 Moser J, **Applegate KE**. Use of Radiologic Services by Uninsured Hospital Inpatients, RSNA 2008

- 2008 Ip S*, Ko H, **Applegate KE**. The influence of lifestyle factors on radiology registrar career choice: A survey of Queensland registrars.(poster presentation for RANZCR, Adelaide, Oct
- 2008 Greenslade S*, Delacey M*, **Applegate KE**. How do radiology registrars learn radiology? A survey of Queensland registrars. paper presentation for RANZCR, Adelaide, Oct
- 2008 Buckley P, Dobeli K, **Applegate KE**, Scally P. A quality improvement project in a public hospital radiology dept: increasing efficient use of CT imaging. paper presentation for RANZCR, Adelaide, Oct
- 2008 Kumar R#, Markel TA*, Koontz N#, Scherer LS, **Applegate KE**. The utility of CT as a screening tool for the evaluation of pediatric blunt chest trauma. **2nd place Trainee Prize and Henry Goldberg Medical Student Prize, AUR 2008** annual mtg, Seattle
- 2007 Karmazyn B, Frush D, **Applegate KE**, Maxfield C, Cohen M, Jones R*. Comparison of Standard and Reduced Radiation Dose 16-Slice MDCT for Detection of Pediatric Nephroureterolithiasis, SPR, Miami, Apr
- 2007 Lafita V*, **Applegate KE**. Does gender matter? A survey of radiology residents at the AFIP. AUR paper presentation, Denver, Apr
- 2007 Kitchin D#, **Applegate KE**. Learning Radiology: A Survey Investigating Radiology Resident Use of Textbooks, Journals, and the Internet. AUR paper presentation, 2007 mtg **Memorial Award paper**
- 2006 Gay S, Jeun BS#, **Applegate KE**. Web-based system of instruction and self-evaluation in critical thinking and technology assessment. Educational electronic exhibit, RSNA 2006
- 2006 Sizemore A#, **Applegate KE**, Rabbani Z#. Accuracy of the UGI series for the diagnosis of malrotation in children: how well are we doing? Scientific paper presentation, RSNA mtg, Nov, Chicago
- 2006 Laskey A, Catellier M, **Applegate K**. Post-mortem skeletal survey use in pediatric forensic autopsies: a national survey. Pediatric Academic Societies conference, May, SF
- 2006 Ruan S#, Bhargavan M, Potterton VK*, **Applegate KE**, Sunshine JH, Forman H. Specialty choice by women medical students: effect of economic and lifestyle factors. AAMC workforce conference poster presentation, May, DC
- 2006 Ruan S#, Bhargavan M, Potterton VK*, **Applegate KE**, Sunshine JH, Forman H. Specialty choice by women medical students: effect of economic and lifestyle factors. AcademyHealth ARM presentation, Jun, Seattle
- 2006 Gay S, Jeun BS#, **Applegate KE**. Web-based educational material on EBM for radiology residents. Educational electronic exhibit, AUR 2006
- 2006 Packer MM#, **Applegate KE**. Survey of women medical students before and after a radiology rotation. paper presentation, AUR 2006

- 2005 Karmazyn B, Rejaie B+, Werner E#, **Applegate KE**. Appropriate normal measurement for mesenteric lymph nodes in children. SPR 2005 mtg
- 2005 Karmazyn B, **Applegate KE**, Kleiman M, Loder R. The added value of pelvic MRI in children with hip pain and fever. SPR 2005
- 2004 Delaney L*, Karmazan B, **Applegate KE**. The use of secretin MRCP for pediatric pancreatobiliary diseases. RSNA 2004 poster
- 2004 Kowalski A#, **Applegate KE**, Richard M. The radiation dose for portable chest radiographs in premature infants (alternate RSNA paper presentation)
- 2004 Johnson A, Littenberg B, Williams L, Ying J, Swan JS, **Applegate KE**. High-quality radiology reporting: GERRAF program update. AUR annual meeting, SF, Apr
- 2003 Massood P*, **Applegate KE**, Downs S, Wang J, Stookey K*. The relationship between sinus imaging and clinician use of antibiotics in children with possible sinusitis. Scientific paper, ASNR annual mtg, Washington, DC, Apr
- 2002 Anderson JM*, Klatte E, **Applegate KE**. Variation on the malrotation theme: abnormalities of colonic and small bowel fixation and potential complications. Scientific poster. SPR 2003, S.F., May
- 2003 Titus GP#, Reid BL#, Li Q, Jennings SG, **Applegate KE**. Imaging children with clinically suspected appendicitis: a two year follow-up survey of current practices of SPR members in North America. Scientific paper, SPR 2003, S.F., May
- 2001 Blackham K*, **Applegate KE**, Arnold B*, Sivit CJ. Accuracy of rectal versus oral contrast thin section CT in children with clinically suspected appendicitis. Scientific paper, RSNA 2001, Chicago, Nov
- 2001 **Applegate KE**, Beyer G#, Sivit CJ. Imaging Children with Possible Appendicitis: A Survey of Current Practices of the Society for Pediatric Radiology Members in North America. Scientific poster presentation, RSNA 2001, Chicago, Nov
- 2001 Arnold BC*, Blackham *K, **Applegate KE**, Sivit CJ. Accuracy of rectal versus oral contrast thin section CT in children with clinically suspected appendicitis. Science Day oral presentation, Rainbow Babies & Children's Hospital, Cleveland, June
- 2000 **Applegate KE**, Kelley E*, Sivit CJ, Slavin L. Disclosure of Results in a Pediatric Radiology Practice: A Survey of Parental Preferences. Scientific paper at RSNA Annual Meeting, Nov
- 2000 **Applegate KE**, Sivit CJ, Salvator A, Stallion A, Dudgeon DL, Borisa V, Grisoni ER. The impact of cross-sectional imaging on negative appendectomy and perforation rates in children. Scientific paper for NRSA at AHSR Annual Meeting, Jun and also at RSNA Annual Meeting, Nov, with permission
- 2000 **Applegate KE**, Sivit CJ, Slavin L. Disclosure of Results in a Pediatric Radiology Practice: A Survey of Parental Preferences. Scientific paper for 17th International

- Conference of the International Society for Quality in Health Care, Dublin, Ireland, Sept
- 2000 Abramson S*, **Applegate KE**, Gilkeson R, Robbins M. The impact of non-contrast CT on diagnostic confidence and management in patients with clinically suspected stones seen in the emergency room. Scientific paper, ARRS Annual Meeting, May
- 1999 Sivit CJ, Berlin SC, Myers MT, Weinert DM, **Applegate KE**, Grisoni ER. Helical CT in 111 consecutive children with suspected appendicitis: value in establishing an alternative diagnosis. Scientific paper for RSNA Annual Meeting, Nov
- 1999 Sivit CJ, **Applegate KE**, Berlin SC, Myers MT, Weinert DM. Imaging evaluation of suspected appendicitis in a pediatric population: effectiveness of sonography versus CT. Scientific paper, RSNA Annual Meeting, Nov
- 1999 **Applegate KE**, Salvator A, Schluchter M, Goske MJ, Cebul R. Prediction models for imaging utilization in children with abdominal pain seen in the emergency room. Scientific paper, RSNA Annual Meeting, Nov
- 1999 **Applegate KE**, Salvator A, Schluchter M, Goske MJ, Redline S, Cebul R. The MANTRELS score for the prediction of appendicitis in 2308 children seen in the emergency room. Scientific paper, RSNA Annual Meeting, Nov
- 1999 **Applegate KE**, Goske MJ, Salvator A, Schluchter M, Obuchowski NA, Lieber M, Copeland R, Alexander F, Cebul R. Imaging Utilization in Side-by Side Emergency Departments: Comparison of Capitated and Fee-for-Service Incentives. Scientific paper. Scientific paper, RSNA Annual Meeting, with permission, Nov
- 1999 **Applegate KE**, Goske MJ, Salvator A, Schluchter M, Obuchowski NA, Lieber M, Copeland R, Alexander F, Cebul R. Imaging Utilization in Side-by Side Emergency Departments: Comparison of Capitated and Fee-for-Service Incentives. Scientific paper, with permission, SHSRR Annual Meeting, Sept
- 1999 **Applegate KE**, Goske MJ, Salvator A, Schluchter M, Obuchowski NA, Lieber M, Copeland R, Alexander F, Cebul R. Imaging Utilization in Side-by Side Emergency Departments: Comparison of Capitated and Fee-for-Service Incentives. Scientific paper, Association for Health Services Research, Student Section, Annual Meeting, Jun
- 1999 Goske MJ, **Applegate KE**, Obuchowski NA, Lieber M, Copeland R, Alexander F, Alexandrou T#. The Impact of Imaging on Diagnosis, Management, and Cost in Children with Abdominal Pain Presenting to the Emergency Room: A Comparison of Capitated vs. Fee-For-Service Plans. Scientific paper, SPR Annual Meeting, May
- 1999 Sivit CJ, Berlin SC, Myers MT, Stallion A, Grisoni ER, Morrison SC, Dudgeon DL, Weinert DM, **Applegate KE**. Helical CT for the Evaluation of Suspected Appendicitis in Children. Scientific Paper, SPR Annual Meeting, May
- 1998 Abadalla A*, Gallegos E, **Applegate KE**, Rothner AD. MR Imaging of Occult Neuroblastoma in the Myoclonus-Opsoclonus Syndrome. Both the Cleveland Clinic Foundation Annual Research Day and the Pediatric Neurology Annual Meeting, Jun

- 1998 Goske MJ, **Applegate KE**, Mitchell CS, Frankel DG, Bardo D*, Tirabassi M. Detection of Pneumatosis in Children with Necrotizing Enterocolitis with High Frequency Ultrasound: Clinical and Experimental Findings. Scientific Paper, SPR Annual Meeting, May
- 1997 **Applegate KE**, Dardinger JT*, Lieber ML, Herts BR, Davros WJ, Obuchowski N. Spiral CT Scanning Technique in the Detection of Aspiration of Lego Foreign Bodies. Scientific Paper, RSNA Annual Meeting, Nov
- 1997 **Applegate KE**, Dardinger JT*, Lieber ML, Herts BR, Davros WJ, Obuchowski N, Baker ME. Helical CT in Pediatric Patients: Image Quality Comparison for Xenon versus Solid State Detector Systems. Scientific Paper, RSNA Annual Meeting, Nov
- 1997 Barbar M+, Kay MD, Ishitani M, Wyllie R, Steffen R, **Applegate K**. Successful Orthotopic Liver Transplantation in Neonatal Hemochromatosis, presented at the 18th Annual Midwest Gut Club, Pittsburgh, PA, Jul
- 1997 Saneto RP*, **Applegate KE**, Frankel D. Non-cardiac Malformations in a Patient Population Undergoing Corrective Surgery for Hypoplastic Left Heart Syndrome. Cleveland Clinic Annual Pediatric Research Day, Jun (third year resident award paper)
- 1995 Connolly LP, Treves ST, Connolly SA, Buff B, **Applegate KE**, Davis RT, Zurakowski D. Comparison between planar, pinhole, and SPECT Tc-99m DMSA imaging for the detection of renal cortical defects. Scientific paper, Society of Nuclear Medicine Annual Meeting, Minneapolis, Jun
- 1995 **Applegate KE**, Laor T, Jaramillo D. MR imaging of growth arrest in children: a five-year experience. Scientific paper, ARRS Annual Meeting, Washington, DC, May
- 1995 **Applegate KE**, Connolly LP, Zurakowski D, Treves ST. Prospective comparison of SPECT and pinhole and planar Tc-99m DMSA imaging for the detection of renal cortical defects. Scientific paper, SPR Annual Meeting, Washington, DC, Apr
- 1986 Herman BH, **Applegate KE**, et al. Role of opioid peptides in autism: Effects of acute administration of naltrexone. Soc Neurosci 1986 (Nov);vol 12

Scientific Exhibits (498):

- 2021 Frush D, et al. The working group process of international translations of Image Gently poster translations. ECR, EUROSAFE poster, virtual mtg, Mar
- 2020 Frush D et al. The work of Image Gently in Latin American: Collaboration with the 200 Million Kids Project. ECR, EuroSafe poster, Vienna, Mar
- 2020 Applegate KE et al. Radiation Protection of Children: the current work of the ICRP Committee on medicine. European Congress of Radiology, EuroSafe Poster, Vienna, Mar

- 2019 Ulla M, et al, Kaplan S, Otero H, **Applegate K**. Integration of referring physician survey into the electronic medical record (EMR). 2-year experience, challenge, and improvement of imaging report opportunities. RSNA annual mtg Quality Poster, Chicago, Nov
- 2019 Summer Kaplan , Kristin Mitas , Whitney Coulor , Kayiba Medlen , Judith Kreger , Ammie White , **Kimberly Applegate** , Hansel Otero. Implementation of Radiology QI Methods in Global Health, ACR annual mtg, Washing DC, May
- 2019 **Applegate KE**, et al, on behalf of ICRP Committee 3 (medicine); ICRP Committee 3 (medicine) work activities toward the Bonn Call for Action. Quality poster, ECR annual mtg, Vienna, Mar
- 2019 Frush D, et al (K Applegate, I Boechat). Image Gently international outreach with LatinSafe; the Bonn Call for Action update. ECR annual mtg, Vienna, Mar
- 2018 Sudandagupta K*, **Applegate KE**, Dawson A, et al. "Implementation of TI-RADS, an ultrasound standard reporting template for thyroid nodules, what we have learned". RSNA annual mtg quality poster presentation, Chicago, Nov [Also presented at the 2018 annual University of Kentucky (UK) College of Medicine quality day; invited oral presentation at UK dept of internal medicine October, 2018]
- 2018 Kadom N, **Applegate K**, Caul S, Duszak R, Heilbrun M, Krupsinki E, Safdar N, Tamasi S, Trofimova A*, Vey B#. "Info-RADS- Informing Patients of Next Steps". ACR Quality & Safety 2018 Annual Meeting, October 9-11, Boston
- 2018 Frush D, et al. Image Gently and Bonn Call for Action update. ECR annual mtg, Vienna, Mar
- 2018 Eliseo Vaneo et al. ICRP DRL publication 135. ECR annual mtg, Vienna, Mar
- 2017 Vey BL#, **Applegate KE**, Sadigh G, Blathazar P*, Safdar NM, Kadom N. Info-RADS: Explaining next steps for patients in radiology reports. (poster presentation) RSNA mtg, Nov
- 2017 Sadigh G*, **Applegate KE**, Kadom N, et al. National Variation in Pediatric Non-contrast Head CT Radiation Dose Indices. ACR mtg, May
- 2017 Sadigh G*, Carlos R, Ward K, Switchenko J, Jiang R, **Applegate KE**, Duszak R. Screening mammography and downstream breast imaging in patients with advanced cancer: A population-based study. AUR mtg, May
- 2017 DeSimone A*, Chung A*, Wick C, Tridandapani S, Simoneaux S, **Applegate KE** et al. Radiologist variation in use of addenda in radiology reports. AUR annual mtg, May
- 2017 Frush D, Strauss K, Butler P, **Applegate KE**. The Image Gently Campaign: A Decade of Difference. European Congress of Radiology, March
- 2016 Siegel D#, DeSimone A#, Wick C, Tridandapani S, **Applegate KE**. Medical Students' Perceptions Regarding the Use of Patient Photographs Integrated with

- Medical Imaging Studies (Poster presentation session, Health Research and Policy). RSNA mtg, Nov
- 2015 Bowen M*, DeSimone A*, **Applegate KE**, Kadom N. My First PQI Project- Using Storyboarding in QI Education (poster presentation session). RSNA mtg, Nov
- 2015 Ryan B. Peterson*; Ivan M. Dequesada II*; Amanda S. Corey; **Kimberly E. Applegate**. Developing, Designing, and Applying Practice Quality Improvement Templates for Widespread Use by Professional Societies, Residencies, and Fellowships: Our Experience. AUR mtg, Apr
- 2014 Sadigh G*, Loehfelm T*, **Applegate KE**, Tridandapani S. Evaluation of near missed wrong patient errors in radiology reports. ARRS mtg, San Diego, May Also presented at the 2014 Emory SOM Science of GME Day, Apr
- 2013 DeQuesada I*, **Applegate KE**, Nwoku K, Torres W, Kassin M*, Small W. CT-guided Renal Biopsy Sample Adequacy: A Quality Improvement Project. ACR annual mtg, Washington, DC, May [awarded best in Quality and Safety] And Emory University School of Medicine GME research day, Jun
- 2013 Sadigh G*, Kassin M*, Khan R#, **Applegate KE**. Radiation safety knowledge and perceptions among residents: A potential GME improvement opportunity in the USA. Emory Healthcare annual resident research day, Mar Also shown at the annual Emory SOM student research day, Apr And Emory University School of Medicine GME research day, Jun Presented orally as scientific exhibit at RSNA mtg, Chicago, Nov
- 2012 Lutterman AC#, Moreno C, Kang J, Small WC, Mittal PK, **Applegate KE**. Cumulative radiation exposure of hospitalized patients due to imaging. RSNA mtg, Chicago, Dec
- 2012 Moncayo V*, Schuster, Halkar R, **Applegate K**. Survey of patient preference about the nuclear medicine consult. ARRS mtg, Vancouver, Apr
- 2012 Reavey H+, Braithwaite, K, **Applegate K**. Right Ventricle to Pulmonary Artery (RV-PA) conduit stent fractures: What the radiologist should know. *A presentation of 3 cases of stent fracture*. SPR mtg, SF, Apr
- 2010 Kinney E# **Applegate KE**, Shewmaker M, Wright R, Tannir H, Kim K. Standardizing interventional radiology first case start times: a performance improvement project. AMCLC 2010 mtg, May
- 2010 Herr K* Gunsby L, Longfellow S, **Applegate KEI**. Understanding quality control and communication between technologist and radiologist: a process improvement project. AMCLC 2010 mtg, May
- 2010 Llave A*, et al. RAD SHARE, Educational Electronic Multimedia Poster, RSNA 2010 mtg, Nov
- 2009 Horst K*, **Applegate K**, Fraley R, Fredricks K. To image or not to image: A CME curriculum for non-radiologists of imaging radiation risks. Educational exhibit, AUR 2009 mtg

- 2008 Katz DS, Hoffmann J*, **Applegate K**, Proto AV. Ethical Issues in Radiology Journalism, Peer Review, and Research. Educational exhibit, ARRS, AUR and RSNA 2008 (recommendation for publication in RadioGraphics by subspecialty panel)
- 2005 Werner E#, Delaney L*, Klatter E, **Applegate KE**. Radiographic Characteristics of Skull Fractures Resulting From Child Abuse and Frequent Skull Fracture Mimics: A Pictorial Essay. Electronic exhibit, SPR 2005 mtg
- 2003 Anderson JM*, Klatter E, Applegate KE. Congenital and acquired abnormalities of colonic and small bowel rotation and fixation. Educational poster RSNA 2003, Chicago, Nov (recommendation for publication in RadioGraphics by subspecialty panel)
- 2003 The heterotaxy syndrome. Campbell-Klatte Research Day, IU Radiology resident George Dunn*
- 2004 The overlapping spectrum of normal and malrotated bowel. Campbell-Klatte Research Day, IU Radiology resident James Anderson*
- 2001 **Applegate KE**, Sivit CJ, Pschesang BP*, Myers MT. Overlapping Spectrum of Appearance of Acute Appendicitis and the Normal Appendix at Helical CT. Scientific exhibit, IPR Annual Meeting, May, Paris
- 2001 Gilkeson C, Zahka K, Ciancibello LM, Hsu D, **Applegate KE**, Berlin S. Congenital heart disease imaging with low-dose multi-slice CT: a pictorial essay. Phillips Medical Systems web site. [http://www.medical.philips.com/main/products/ct/assets/docs/Multislice/Congenital_heart_disease.pdf]
- 2001 Gilkeson C, **Applegate KE**. Mutlidetector CT for the evaluation of congenital cardiovascular disease in children. Scientific exhibit at Society for Thoracic Radiology annual meeting, April
- 2000 **Applegate KE**, Sivit CJ, Pschesang BP*, Myers MT. Diagnosis of Acute Appendicitis in Children: Spectrum of CT Findings and Techniques. Educational exhibit at RSNA Annual Meeting, Nov
- 2000 **Applegate KE**, Sivit CJ, Abramson S*. Diagnosis of Acute Appendicitis in Children: Spectrum of CT findings. Scientific exhibit, ARRS Annual Meeting, May (certificate of merit award)
- 1999 Abramson S*, Gilkeson R, **Applegate KE**. Spiral CT for the diagnosis of renal stones: expected and unexpected findings in 200 cases. Scientific exhibit, RSNA Annual Meeting, Nov **certificate of merit award**
- 1999 Fordham, LA, **Applegate KE**, Wilkes D, Chung CJ. Fibular Hemimelia: More Than Just an Absent Bone. SPR Annual Meeting, May
- 1999 Saneto RP*, Frankel DG, **Applegate KE**, Bardo DM*. Non-Cardiac Manifestations Associated with Hypoplastic Left Heart Syndrome in Infants

- Undergoing Palliative Heart Surgery. Cleveland Clinic Foundation, house staff research day poster
- 1998 Fordham, LA, **Applegate KE**, Wilkes D, Chung CJ. Fibular Hemimelia: More Than Just an Absent Bone. RSNA Annual Meeting, Nov
- 1998 Bardo DM*, Frankel DG, **Applegate KE**, Murphy DJ, Saneto RP*. Hypoplastic Left Heart Syndrome at the Time of Diagnosis and Various Stages of Palliative Surgery. RSNA Annual Meeting, Nov (**certificate of merit award** and recommendation for publication in RadioGraphics by subspecialty panel)
- 1998 **Applegate KE**, Anton CG+, Goske MJ, Kuivila TE, Andrish JT, Wilkes D. Proximal Focal Femoral Deficiency (PFFD): More than Just an Abnormal Hip. RSNA Annual Meeting, Nov
- 1998 Bardo D*, Frankel DG, **Applegate KE**, Saneto RP*. Hypoplastic Left Heart at the Time of Diagnosis and Various Stages of Palliative Surgery. SPR Annual Meeting, Tucson, AZ, May
- 1999 Anton CG+, Wilkes D, **Applegate KE**, Goske MJ, Mitchell CS, Kuivila T. Proximal Focal Femoral Deficiency (PFFD): More Than an Abnormal Hip. SPR Annual Meeting, Tucson, AZ, May
- 1997 Pierce G*, **Applegate KE**, Goske MG, Murphy D. Situs Revisited: Plain Film Recognition, Embryology, and Imaging of Heterotaxy Syndromes. Scientific Exhibit, recommended for publication in RadioGraphics by subspecialty panel and selected for category-1 CME self-directed learning program, RSNA Annual Meeting, Nov
- 1997 Fordham LA, Chung CJ, Specter BB, **Applegate KE**. Ultrasound Appearance of Cystic Ovarian Masses. RSNA Annual Meeting, Nov
- 1997 Cleveland Health Museum "Toddler X-ray Puzzle"
- 1996 Pierce G*, **Applegate KE**, Goske MG, Murphy D. Situs Revisited: Chest x-ray Recognition, Embryology, and Imaging Correlation. International Pediatric Radiology Annual Meeting, Boston, MA, May
- 1995 Bloom DA+, **Applegate KE**, Laor T, Buonomo C. RSNA Pediatric Case of the Day: Cervical Ectopic Thymus, Nov

e. Book Chapters (31):

1. Mitchell C, Goske MJ, **Applegate KE**. Diagnostic Tests, In: Congenital Malformations of the Female Genital Tract-Diagnosis and Management. Gidwani GP, Falcone T (ed); Lippincott-Raven, Philadelphia, 1999
2. **Applegate KE**. The Pediatric Spleen, In: CT/MR of the whole body. Haaga JR (ed); 2002
3. Engle WA, Trautman MS, **Applegate KE**. Neonatal chest diseases, In: Clinical guide to diseases of the newborn. 2005 David Hertz (ed); Lippincott-Raven, Philadelphia

4. **Applegate KE.** Intussusception of the gastrointestinal tract. In: Evidence-based Radiology. Medina LS and Blackmore CC (eds); Springer 2005
5. Schlesinger AE, **Applegate KE.** Imaging the small bowel. Normal anatomy and imaging techniques. In: Caffey's Pediatric Diagnostic Imaging. (eds); Kuhn JP, Slovis TL, Mosby, Philadelphia 2007;11th edition
6. **Applegate KE,** Hernanz-Schulman M. Imaging the colon in children. Functional bowel disorders. In: Caffey's Pediatric Diagnostic Imaging. (eds); Kuhn JP, Slovis TL, Mosby, Philadelphia 2007;11th edition
7. **Applegate KE.** Imaging the colon in children. Intussusception. In: Caffey's Pediatric Diagnostic Imaging. (eds); Kuhn JP, Slovis TL, Mosby, Philadelphia 2007;11th edition
8. **Applegate KE.** Imaging the colon in children. Inflammatory disorders. In: Caffey's Pediatric Diagnostic Imaging. (eds); Kuhn JP, Slovis TL, Mosby, Philadelphia 2007;11th edition
9. **Applegate KE.** Intussusception of the gastrointestinal tract. In: Evidence-based Imaging of Children. Medina LS, Applegate KE, and Blackmore CC (eds); Springer 2009
10. **Applegate KE.** Malrotation of the gastrointestinal tract. In: Evidence-based Imaging of Children. Medina LS, Applegate KE, and Blackmore CC (eds); Springer 2009
11. Frush D, **Applegate KE.** Radiation dose in medicine. In: Evidence-based Imaging of Children. Medina LS, Applegate KE, and Blackmore CC (eds); Springer 2009
12. Anupindi S, **Applegate KE.** Inflammatory Bowel Disease. In: Evidence-based Imaging of Children. Medina LS, Applegate KE, and Blackmore CC (eds); Springer 2009
13. Medina LS, Blackmore CC, **Applegate KE.** Principles of evidence-based imaging. In: Evidence-based Imaging of Children. Medina LS, Applegate KE, and Blackmore CC (eds); Springer 2009
14. Keller MS, Nijs ELF, **Applegate KE.** Developmental Dysplasia of the Hip. In: Evidence-based Imaging of Children. Medina LS, Applegate KE, and Blackmore CC (eds); Springer 2009
15. Barnewolt C, **Applegate KE.** Imaging of Urinary tract infection in children. In: Evidence-based Imaging of Children. Medina LS, Applegate KE, and Blackmore CC (eds); Springer 2009
16. Van Rijn R, Nijs H, **Applegate KE,** Bilo R. Evidence based imaging in non-CNS non-accidental injury. In: Evidence-based Imaging of Children. Medina LS, Applegate KE, and Blackmore CC (eds); Springer 2009
17. Medina LS, Blackmore CC, **Applegate KE.** Critically assessing the literature: understanding error and bias. In: Evidence-based Imaging of Children. Medina LS, Applegate KE, and Blackmore CC (eds); Springer 2009
18. Fielding JR, Pruthi JS, Fordham LA, Sutherland RW, Gipson DS, **Applegate KE.** Imaging of Nephrolithiasis and Its Complications in Adults and Children. In: Evidence-based Imaging: Improving Quality and Patient Care. Medina LS, Blackmore CC, and Applegate KE (eds); Springer 2011

19. Barnewolt C, **Applegate KE**. Imaging of Urinary tract infection in children. In: Evidence-based Imaging, Quality Imaging in Patient Care, Revised Edition, Medina LS, and Blackmore CC, Applegate KE (eds); Springer 2011
20. Anupindi S, **Applegate KE**. Inflammatory Bowel Disease. In: Evidence-based Imaging, Quality Imaging in Patient Care, Revised Edition, Medina LS, Blackmore CC, and Applegate KE (eds); Springer 2011
21. **Applegate KE**. Intussusception of the gastrointestinal tract. In: Evidence-based Imaging, Quality Imaging in Patient Care, Revised Edition, Medina LS, and Blackmore CC, Applegate KE (eds); Springer 2011
22. Loftus M, Sanelli PC, Frush DP, **Applegate KE**. Radiation Risk from Medical Imaging. In: Evidence-based Neuroimaging. Medina LS, Sanelli PC, and Jarvik J (eds); Springer 2013
23. **Applegate KE**, Fefferman N. Acquired Disorders of the Colon. In: Caffey's Pediatric Diagnostic Imaging. (ed); Coley B, Philadelphia 2007;12th edition Elsevier 2013
24. **Applegate KE**. Imaging the colon in children. Intussusception. In: Caffey's Pediatric Diagnostic Imaging. (ed); Coley B, Philadelphia 2007;12th edition Elsevier 2013
25. Benabbas R, Cronin P, Barnewolt C, Connolley L, Estrada CR, **Applegate KE**. Imaging of Acute urinary tract infection in infants and children. In: Evidence-based Emergency Imaging, Improving the Quality of Patient Care, Kelley A, Cronin P, Puig S (eds), with Medina LS, and Blackmore CC, Applegate KE (Sr eds); Springer 2017
26. **Applegate KE**. Intussusception of the gastrointestinal tract. In: Evidence-based Emergency Imaging, Improving the Quality of Patient Care, Kelley A, Cronin P, Puig S (eds), with Medina LS, and Blackmore CC, Applegate KE (Sr eds); Springer 2017
27. **Applegate KE**. Malrotation of the gastrointestinal tract. In: Evidence-based Emergency Imaging, Improving the Quality of Patient Care, Kelley A, Cronin P, Puig S (eds), with Medina LS, and Blackmore CC, Applegate KE (Sr eds); Springer 2017
28. Kelley AM, Cullmann-Bastian J, Puig S, **Applegate KE**. Acute pelvic pain in pre-menopausal women and children. In: Evidence-based Emergency Imaging, Improving the Quality of Patient Care, Kelley A, Cronin P, Puig S (eds), with Medina LS, and Blackmore CC, Applegate KE (Sr eds); Springer 2017
29. **Applegate KE**. Imaging the colon in children. Intussusception. In: Caffey's Pediatric Diagnostic Imaging. (ed); Coley B, Philadelphia 2007;13th edition Elsevier (2018)
30. **Applegate KE**. Intussusception of the gastrointestinal tract. In: revision of Evidence-based Pediatric Imaging, Improving the Quality of Patient Care, Kaplan S, Otero H, White A (eds), with Medina LS, Applegate KE and Blackmore CC, (Sr eds); [Springer 2021]
31. **Applegate KE**, Medina SL, Blackmore CC. Principles of evidence-based imaging. In: revision of Evidence-based Pediatric Imaging, Improving the Quality of Patient Care, Kaplan S, Otero H, White A (eds), with Medina LS, Applegate KE and Blackmore CC, (Sr eds); [Springer 2021]

f. Books edited and written (6):

1. Statistical Concept Series for Radiologists, eds **KE Applegate**, P Crewson. 2004 Virtual monograph at www.radiology.rsna.org, http://radiology.rsna.org/cgi/sectionsearch?tocsectionid=Statistical+Concepts+Series*&displaysectionid=Statistical+Concepts+Series&journalcode=radiology&hits=20
This series of 22 articles in *Radiology*, our highest impact factor journal in the profession, was conceived, developed, and edited by myself, under the mentorship of the journal editor, Dr. Anthony Proto. I was an RSNA editorial fellow when I had the idea to improve statistical literacy for the radiology profession, with the help of a statistician, Phil Crewson. I also wrote/co-wrote several of the articles.
2. Evidence-Based Imaging in Pediatrics, eds LS Medina, **KE Applegate**, and CC Blackmore. 2010, Springer contract; (software contract with Medicalis).
This text is in both soft cover and downloadable, searchable formats; and as appropriateness of imaging software for CPOE systems; it is a unique educational product in that it will provide a summary of the evidence for imaging the common conditions in children to guide pediatricians, emergency physicians, and adult radiologists and it will include the costs, benefits, knowledge gaps, and radiation doses for these imaging topics.
3. Evidence-based Imaging: Improving Quality and Patient Care (Revised Edition), eds LS Medina, CC Blackmore, **KE Applegate**. Springer 2011
4. Evidence-based Imaging: Neuro-imaging, eds J Jarvik, LS Medina, P Sanelli; senior eds CC Blackmore, **KE Applegate**. Springer 2013
5. Evidence-based Emergency Imaging: Improving the Quality of Patient Care, A Kelley, P Cronin, S Puig, and **KE Applegate** (eds), with Medina LS, Blackmore CC, **Applegate KE** (Senior eds); Springer 2018
6. Evidence-Based Imaging in Pediatrics--new revision, eds Kaplan S, Otero H, White A, with Medina LS, Applegate KE and Blackmore CC, (Sr eds); [Springer, 2021]

July 2020: Update on Sales of Springer EBI books and electronic chapters

*[Evidence-Based Imaging (2006) – 783 print sales, **28,909 downloads**]*

Evidence-Based Imaging in Pediatrics (2010) – 372 print sales, **59,803 downloads**

Evidence-Based Imaging 2nd ed (2011) – 334 print sales, **45,336 downloads**

Evidence-Based Neuroimaging (2013) - 74 print sales, **47,996 downloads**

Evidence-Based Emergency Imaging (2018) – 57 print sales, **32,304 downloads**

March 2020:

Evidence-Based Imaging in Pediatrics (2010) – 372 print sales, **58,712 downloads**

Evidence-Based Imaging (2011) – 334 print sales, **44,443 downloads**

Evidence-Based Neuroimaging (2013) - 74 print sales, **54,648 downloads**

Evidence-Based Emergency Imaging (2018) – 55 print sales, **29,848 downloads**

Total all 4 books: 187,000+ chapters downloaded

Summer 2017- The electronic chapters of our multiple Evidence Based Imaging just passed the mark of over 100,000 chapters downloaded. Most of the books are performing in the top 25% of all Springer books. The reviews are also excellent.

Neuro EBI 29,365 (largest increase in 2016 with 16,419 just in this year)

Peds EBI 43,202

General EBI 33,938

Total all 3 books: 106,505 chapters downloaded so far

g. Book Reviews:

1. M Siegel. Pediatric Body CT. in Acad Radiol 2001

h. Manuals, videos, programs, and web teaching aids:

Web site curriculum development:

1. University of Virginia department of radiology curriculum on technology assessment and evidence-based medicine for radiology residents (2005). Bryan S. Jeun, **KE Applegate**, Spencer B. Gay. www.med-ed.virginia.edu/courses/rad/tech/main.html
2. AUR practical imaging physics symposium (2007). **Applegate KE**, Hendee W. <http://www.aur.org/assets/meetings/2007/presentation1.htm>
3. The Image Gently Campaign. www.imagegently.org (see CT content; parent brochure content about CT imaging; the international resources content)
4. Voiding Cystourethrography in Children with UTI. Practice Quality Improvement Module approved by the SPR and ABR 2008. Sivit CJ, **Applegate KE**, Strife J. [first ever **PQI** module in radiology--for SPR]
5. AAPM/RSNA physics instructional module for radiology residents: radiation risks. Peck D, **Applegate KE**, Slovis T.
6. Wikipedia entry about radiation safety and the Image Gently Campaign (12/09). http://en.wikipedia.org/wiki/Pediatric_radiology
7. MySpace account 'Image Gently Dr. Applegate' open source site about Image Gently to increase awareness in younger medical professionals and consumers about radiation safety issues in children (12/09). www.myspace.com/imagegently
8. Webcast and SAM of lecture on Evidence-based Medicine mini-course from 2008 annual meeting. ARRS web 2009
9. **Applegate KE**, Wood B, Bulas D. Hot Topics: Radiation Exposure. [online course]. Pedialink. American Academy of Pediatrics. 7/14/2011, www.pedialink.org/emb/courseprodv2.
10. Kalra MK, Singh S, **Applegate KE**. Abdomen CT Radiation Exposure Reduction PQI Module. ARRS web site 2014
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- 14 Peterson R*, Boddu S+, Corey A, Saindane AM, **Applegate KE**. Fluoroscopic-guided lumbar puncture (LP): ASNR web PQI 3 modules (accepted by the ABR, 2/2015; ASNR 4/2015): <http://www.asnr.org/fluoroscopic-guided-lumbar-puncture-pqi-radiation-safety-module-A>
- 15 Bowen M*, Kadom N, **Applegate KE**. 'How to Do My First PQI Project' presented at the RSNA quality poster 2015. Available at the ARRS PQI site as a 'Free Form PQI Template': http://store.ars.org/detail.aspx?id=PQIT_OPEN
- 16 IAEA RPOP 2017 web site invited webinars about Image gently materials to improve pediatric care: with invited global co-speakers (1) Image Gently: the pediatric chest and (2) Image Gently: body CT imaging optimization

i. Other publications:

Federal Guidance Documents:

1. FEDERAL GUIDANCE REPORT NO. 14: Radiation Protection Guidance for Diagnostic and Interventional X-Ray Procedures. Interagency Working Group on Medical Radiation (EPA/FDA/CDC) -U.S. Environmental Protection Agency Washington, D.C. 20460. 2013
2. National Council for Radiation Protection and Measurements Report No. 170: Second Primary Cancers and Cardiovascular Disease After Radiation Therapy. 2012

International Guidance Documents:

1. ICRP, 2013. Radiological protection in paediatric diagnostic and interventional radiology. ICRP Publication 121. Ann. ICRP 42(2)
2. WHO document: Communication radiation risks in paediatric imaging: Information to support health care discussions about benefit and risk. April 2016.
http://www.who.int/ionizing_radiation/pub_meet/radiation-risks-paediatric-imaging/en/

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2. **Applegate KE**, Singer ME. Cost-Effectiveness Analysis. [Invited Commentary] J Urology 2000; 163:566-7

Invited Publications or Interviews:

1. American Association for Women Radiologists' Pocket Mentor, a handbook for women residents and medical students interested in a career in radiology. 2 chapters contributed. BJ Manaster (ed); Mosby-Yearbook, Inc., October, 1996 (2 chapters under revision for 2nd edition, 2002)
3. **Applegate KE**, Kirks D. The imaging of child abuse. Contemp Diagn Radiol 1997;20[lesson 22]:1-6
4. **Applegate KE**. "Body Magnetic Resonance Imaging in Children: When Should You Use it?" in Pediatric Perspectives, a physician's newsletter from the Cleveland Clinic Children's Hospital, Fall, 1997

5. American Association for Women Radiologists' Handbook on Childcare: A Combined Experience from the AAWR. Chapter contributor. N Rosenfield, (ed); E-Z-EM, Nov, 1997
6. RSNA 2000 Editorial Fellow Report at: http://www.rsna.org/publications/editorial_fellows.TEST.html
7. Pediatric Radiology orientation materials for residents in radiology and pediatrics. Both hard copy and intranet resource materials, including rotation expectations, goals, imaging protocols, web links, textbooks, and essential articles. 1/2003
8. AAWR 2003 President's letters. http://www.aawr.org/about/presidents_notes.asp
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12. *ACR bulletin* article on women residents and pregnancy issues. March 2004
13. AAWR report on the AAWR luncheon at the annual SPR meeting. June 2004 *Focus*
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