

CURRICULUM VITAE

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

2.

Most Recent Address:

Department of Radiology
University of Kentucky School of Medicine (retired)
800 Rose St., Rm HX314
Lexington, KY 40536

3. Email: keapple5123@gmail.com

4. Citizenship: American

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

- a. Academic appointments: Professor with tenure of Radiology (retired)
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, Shriner's 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
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 (NAS) Beebe Symposium participant, 5/2019; virtual program committee and symposium on radiation science curriculum for medical school 11/2020; reviewer for NAS document on low dose radiation research federal program needs assessment, 2021
- f. NAS virtual meeting for consideration of a radiation science curriculum in medical schools, 11/2020
- g. FDA EMDAC (endocrine medical drug advisory committee) panel meeting guest member, Oct 26, 2022 (postponed)

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-

2022 Faculty, spring educational mtg, NOLA, MAR
 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, 2000-2020

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 Imaging; 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, 1989-2020

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, 2 nd 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-	
2022-23	Member, Advisory Board SAMIRA
2022	Consultant to Task 2.6 (chair, Dr. Hugo de las Heras Gala), regulators' needs for research in RP, as part of EURATOM directive of article 31
2019-22	Member, Advisory Board (WP 7), EURAMED strategic research agenda update for Horizon2020 ROCC-N-ROLL (3 year project)
2020-2022	Member, <u>WP 4</u> , 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) <u>task 3.4</u> , 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-	
2022	ICRP poster, EuroSafe; also 2020, 2019; Image Gently EuroSafe poster many years
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), 2008-

- 2022 Invited participant, TM 'RP in fluoroscopically guided interventional procedures', Vienna, March 7-9
- 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
- 2008- Participant at IAEA radiation protection mtgs (both in person and virtual)

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-

- 2022- Member, TG124 Application of the Principle of Justification (C4, chair Nobuhiko Ban)
- 2022- Member, TG126 Radiological Protection in Human Biomedical Research (C3 chair Isabelle Thiery-Chef)
- 2022- Mentor for TG121 Liudmila Liutsko (epi lit search)
- 2022-24 Member, Advisory Panel of the European Commission (EC) study on the Implementation of Council Directive 2013/59/Euratom Requirements for Medical Equipment with Respect to Monitoring and Control of Patient's Radiation Exposures; regulator survey; AI survey
- 2021-22 Member, C4 Working Party Justification (chair Nobuhiko Ban, secretary Julie Burt)
- 2021-22 Member, C3/C2 Working Party on Individual Patient Detriment (chair, Colin Martin)
- 2021- Member, TG121 of IR effects on offspring; (2022) mentor for Liudmila Liutsko; program committee, speaker, moderator for workshop TG121 with MELODI and ALLIANCE at European IRPA Congress (May/June 2022);

- 2019-22 Member, **Advisory Board, EURAMED strategic research agenda** update for Horizon2020 (3-year project)
- 2019-22 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; TG108a/b (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)
- 2017-2025 Member, Main Commission ICRP**, finance review comm (2017-19)
- 2017-2025 Chair, ICRP Committee 3 (elected, re-elected 2021)**
- 2017-2019 Member, Task Group 104, environmental aspects of radiation protection
- 2013-2021 Member, ICRP Committee 3 (medicine), (re-elected 2017-2025)**
- 2007-9 Co-author, Publication 121, 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 speaker on fetal radiation health effects
- 2020 Program planning committee for 2021 mtg, Puerto Rico, Oct 2-6, chair, 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

- 2021 Invited panel member (virtual), Physics refresher course on interventional procedures, Sunday AM
- 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

2020	Retired member
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:

- a. NICU gonadal shield cleanliness if disposable (lead: Veronica Scott, RT; Melissa Smith, MD, Evan Pohl, BS, Leslie Anaskavich) [7/2017-]
- b. TIRADS implementation for reporting of thyroid ultrasound lesions (7/07-presented at M&M by Lane Stafford; lead-R1 project Kavya Sudanagunta)
- c. 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 (2nd and 3rd annual)
- 2010-2017 Advising: 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 Radiation safety 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 Radiology Department: 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:

- 2022 FDA EMDAC invited panel member Oct 26 virtual mtg
- 2019- Participant, Electric Power Research Institute, (EPRI), annual 'IDEA' intl dose effect alliance conference--low dose research mtg, Nov, Charlotte, NC
- 2019- Nuclear Energy Agency (NEA), Advisory Group for Low Level Radiation Research (Chair, Ted Lazo until 2021, then Jacqueline Garnier-LaPlace), under the Organization for Economic Cooperation and Development (OECD), an intergovernmental organization and UN observer; high level group on low dose research (**HLG-LDR**) Steering Committee for Research Review, 2021-; LDR database development, **AOP horizon style exercise**, AOP on adult AML;
- 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
- 2012-21 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, <i>Radiology</i>
2003-6	Editorial board, Journal of the American College of Radiology
2003-11	Associate Editor, <i>Pediatric Radiology</i> , Health Services Research Section
2001-3	Special Editor, Statistical Concept Series, for <i>Radiology</i>
2000-4	Associate Editor, <i>Radiology</i> , Pediatric Radiology Section

16. Manuscript reviewer:

2021	JAMA Open Network
2020-	Radiation and Environmental Biophysics
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
2003-2020	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:

2023	American Academy of Pediatrics <i>Dr. Beverly P. Wood Outstanding Pediatric Radiology Clinical Educator award</i> in honor of the work and memory of Dr Beverly P. Wood. Inaugural Awardee received at the SPR annual meeting May, 2023, Austin
2022	Aunt Minnie Europe Semi-finalist Award for Best Paper (Rehani et al Eur Radiology 2022)
2021	Bronze Medalist for Exceptional Manuscript Review for the Journal of the American College of Radiology, Nov <i>The bronze medal is reserved for our peer reviewers who have provided at least 25 high-quality manuscript reviews over a lifetime. You join only 13 others in receiving this honor</i>
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 <i>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.</i>

- 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 Sklodowska-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; Srini 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, Klatte 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 Eyler 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 Physicists in Medicine, current
 Honorary member
 TG343 MMPG Fluoroscopy Dose Management
 TG293 Head CT SSDE

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

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

International Commission for Radiological Protection, (ICRP) 2009-

- 2017-** **Elected chair of Committee 3, Member of Main Commission** (6th woman on the Main Commission in 90 year history), re-elected 2021
- 2013-** **Elected member to Committee 3 (medicine)**

National Council on Radiation Protection and Measurement, (NCRP) 2006-

- 2022- Member, **scientific committee 4-13** on patient protective shielding (an extension of the gonadal shielding statement), chair Rebecca Milman
- 2020- Member, **scientific committee 4-12** on Risk Management Stratification of Equipment and Training for Fluoroscopy (co-chairs Don Miller, Steve Balter)
- 2014- Member, PAC-4 medicine
- 2007- **Elected member to Council, re-elected 2013,2019**

Northeast Ohio Ultrasound Society, 1997-2001

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

Nuclear Energy Agency (NEA)/ OECD Volunteer, 2019-

- 2021- AOP Steering Committee Research Review (development—horizon style exercise, survey development, promotion of concept in RP community)
- 2021- AOP Virtual Workshop co-sponsored by MELODI and ALLIANCE-Apr 12-16
- 2020- AOP workshops and development for LDR research: (3 subgroups: communication, chair: Paul Locke; database, chair Dimitry Kolkov; AOPs, chair Vinita Chauchon)
- 2019- High level group for Low dose/low dose rate research (HLG-LDR), chair Ted Lazo, then D Laurier

Radiation Research Society, RRS, 2018-

- 2021 Moderator for webex AOP development, July (Vinita Chauthan, Julie Burt)
- 2021 Invited moderator and speaker
- 2020-21 Program Committee member

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

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)

ICRP TG121 Workshop, in collaboration with MELODI, ALLIANCE

2022 'Effects of Ionising Radiation Exposure in Offspring and Next Generations' during IRPA European mtg, Budapest, May/Jun

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. Radiological 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 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 21 st 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 infants. (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 mutli-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:

- 2009-2019 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 Konstanopoulou)
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, 1 st 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:

Sheila 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 mtg, 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, other)

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 (81 programs):

2023 Invited speaker and program committee, ICRP TG109 draft discussion, Ethics in Radiological Protection in Medical Diagnosis and Treatment, virtual workshop, June 1-2

2023 Invited speaker and program committee, ICRP TG124 Application of the Principle of Justification, virtual workshop, May 15

2023 Invited speaker, Medical Physics week, IOMP 'Radiological Protection of the Pregnant Patient: An ICRP Perspective' virtual workshop (1600 participants), April 24

2023 Invited participant and program committee, ICRP TG108 draft Part 2 Digital Imaging Optimisation, virtual workshop, March 20

2023 Invited speaker/participant, IAEA consultancy meeting on 'Patient Radiation Safety in Recurrent Imaging', Feb 6-8, Vienna

2023 Invited participant, IAEA writing group for technical meeting follow up on 'Developing Effective Methods for Radiation Protection Education and Training of Health Professionals', Feb 8-10, Vienna

- 2023 Invited participant and program committee, ICRP TG108 draft Part 1 Medical Digital Imaging Optimisation, virtual workshop, Oct
- 2022 Invited speaker, LatinSafe/SLARP/Brazilian College of Radiology (BCR) patient-centered pediatric imaging virtual session, 'How can we minimize the radiation risk to my child in imaging?', September 26
- 2022 Invited Speaker, ICRP, INFN, ISDS, ISIN (Italian societies of radiation protection and medicine), 'The ICRP System of protection in medical activities' workshop session, Rome, Sept 13-14
- 2022 Invited speaker, annual hybrid in person/virtual International RP School (IRPS) sponsored by the Nuclear Energy Agency (NEA-OECD) and Stockholm University, "RP in diagnostic and therapeutic healthcare", Stockholm, Aug
- 2022 Invited speaker, Brazilian Congress of Radiology (virtual), 'Role of Ethics in Radiological Protection for Medical Diagnosis and Treatment, Sept 3
- 2022 Invited speaker, Latin Safe conference (virtual), 'Focus on Ethics in Radiological Protection for Medical Diagnosis and Treatment'; 'The ICRP Task Group 108: Optimisation of Digital Imaging', Jul 28
- 2022 Invited speaker, program committee, virtual, Digital workshop ICRP TG114 tolerability and reasonableness in medical RP, Jun 20-21
- 2022 Invited speaker, virtual, Session: Update on ICRP RP in Medicine, RASSC semi-annual mtg, Vienna, Jun 7
- 2022 Invited speaker, virtual, Session: Update on ICRP RP in Medicine, Brazil Congress of Radiology education webinar, Jul 4
- 2022 Invited speaker, virtual (RP of the fetus/embryo), World Congress of Medical Physics and Biomedical Engineering (IUPESM), Singapore, Jun
- 2022 Invited speaker, Imaging procedures, virtual course (Session: Update on RP of Diagnostic Radiology with Makoto Hosono, Ng Kwan Hoong), ASEAN College of Medical Physics Educational Course, Singapore, Jun
- 2022 Invited speaker, panelist, moderator, ICRP TG121 workshop in collaboration with MELODI and ALLIANCE 'Effects of Ionising Radiation Exposure in Offspring and Next Generations' IRPA European Congress Budapest May/Jun
- 2022 Invited presentation (Marie-Claire Cantone), ICRP TG109, Radiation protection ethics in medicine, IRPA European Congress, Budapest May/Jun
- 2022 Invited participant, ICRP TG114 2 day *virtual*/workshop on reasonableness and tolerability in the medical perspectives, Jun
- 2022 Invited speaker, AAPM spring educational mtg, session on ethics education and training for the radiation protection of patients—the ICRP TG109—with the AAPM ethics committee (with Fred Fahey), NOLA, March 28
- 2022 Invited speaker, 'Creating an awareness of radiation dose for referring doctors from a radiation protection (justification) point of view', Society of Radiographers of South Africa (SORSA) 6th annual mtg *virtual*, South Africa, March 12

- 2022 Invited participant and moderator, IAEA Technical Meeting, 'Radiation protection in fluoroscopically guided interventional procedures', Vienna, March 7-9
- 2022 Invited speaker, ICRP TG109, North American IRPA Congress St. Louis, Feb
- 2021/2022 Invited panelist/moderator, medical RP session, ICRP 5th biennial symposium, Vancouver, Nov (postponed one year)
- 2021 Invited speaker/panel member, MEDIRAD virtual seminar stakeholder forum, Nov 8 and Dec 9
- 2021 Invited speaker/panel member, pediatric and adult panels (4 talks), 'ICRP viewpoint on radiation protection', Brazilian Congress of Radiology, virtual annual mtg, Oct 10, 12, 30
- 2021 Invited speaker-virtual, Radiation Research Society, 'Embryo and Fetal Radiation Health Risks', Puerto Rico, Oct
- 2021 Invited speaker, annual virtual International RP school (IRPS) sponsored by the Nuclear Energy Agency (NEA-OECD), "RP in diagnostic and therapeutic healthcare", Aug
- 2021 Invited speaker, European Commission funded TM (virtual) on justification of imaging, [Serbia, Belgrade] Apr
- 2021 IAEA virtual TM speaker and moderator, Developing Effective Methods for Radiation Protection Education and Training of Health Professionals, [Vienna] Mar
- 2021 Invited speaker, EURADOS Winter School (virtual) on Dose and Effects to the Embryo/Fetus, [Serbia, Belgrade] Feb
- 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, Eggleston 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. Srinidhi Tridandipani, 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 Klatte 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 Klatte 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

29. Bibliography:

a. Published and accepted research articles in refereed journals:

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

1. Herman BH, Hammock MK, Arthur-Smith A, Kuehl K, **Applegate KE**. Effects of acute administration of naltrexone on cardiovascular function, body temperature, body weight and serum concentrations of liver enzymes in autistic children. *Dev Pharmacol Ther* 1989;12(3):118-127 (Applegate misspelled as Appelgate)
2. Parad R, **Applegate KE**, Doubilet PM, Fishman SJ, Estroff J. A case of ileal atresia in a neonate in the presence of a recent, normal prenatal ultrasound. *J Ultra Med* 1995;14(2):161-163
3. **Applegate KE**, Sargent SK. Spontaneous colonic ischemia in a patient with Riley-Day Syndrome. *Pediatr Radiol* 1995;25:312-313
4. **Applegate KE**, Connolly K, Treves ST. DMSA imaging of crossed fused renal ectopia. *Clin Nucl Med* 1995;20(10):947-948
5. **Applegate KE**, Connolly L, Treves ST. Neuroblastoma presenting as a clinically suspected hip osteomyelitis: A "signature" diagnosis on bone scintigraphy. *Pediatr Radiol* 1995;25(1):93-96
6. **Applegate KE**, Spiegel PK. Ulnar artery occlusion in mountain bikers: A report of two cases. *J Sports Med Phys Fitness* 1995;35(3):232-234
7. Bloom DA, **Applegate KE**, Laor T, Buonomo C. Ectopic cervical thymus. *RSNA Pediatric Case of the Day, Radiographics* 1996;16(1):204-206
8. Shah P*, **Applegate KE**, Buonomo C. Strictures of the duodenum and jejunum in an abused child. *Pediatr Radiol* 1997;27(3):281-283
9. **Applegate KE**, Connolly LP, Zurakowski D, Davis RT, Treves ST. Prospective comparison of SPECT, pinhole, and planar Tc-99m DMSA imaging for the detection of renal cortical defects. *Clin Nucl Med* 1997;22(10):673-678
10. Mahajan L+, Klein A, Wyllie R, Kay M, **Applegate K**, Sabella C, Kuivila T. Atlantoaxial Subluxation and Pericarditis in a Child with Crohn's Disease. *Am J Gastroenterol* 2001;96(11):3190-3191
11. Bardo D*, **Applegate KE**, Goske MJ, Kuivila T, Goldfarb J. Sonographic Diagnosis of Acute Thrombosis in Superficial Venous Varices in a Child's Knee. *J Clin Ultrasound* 1998;26(9):470-473

12. Saneto RP*, **Applegate KE**, Frankel DG. Atypical Manifestations of Two Cases of Trisomy 9 Syndrome: Rethinking Developmental Delay. *Am J Med Gen* 1998;80(1):42-45
13. **Applegate KE**, Ghei M#, Perez-Atayde AR. Prenatal Detection of a Solitary Liver Adenoma. A Case Report and Review of the Literature. *Pediatr Radiol* 1999;29(2):92-94
14. **Applegate KE**, Ghei M#, Perez-Atayde AR, Beckwith JB. Prenatal Detection of a Wilms Tumor. A Case Report and Review of the Literature. *Pediatr Radiol* 1999;29(1):65-67
15. **Applegate KE**, Goske MJ, Pierce G*, Murphy D. Situs Revisited: Chest X-ray Recognition, Embryology, and Imaging of Heterotaxy Syndromes. *RadioGraphics* 1999;19(4):837-852 (with CME study questions)
16. Goske MJ, Goldblum JR, **Applegate KE**, Mitchell CS, Bardo D*. The "Circle Sign": A New Sonographic Sign of Pneumatosis Intestinalis-Clinical, Pathologic, and Experimental Findings. *Pediatr Radiol* 1999;29:530-535
17. Fordham, LA, **Applegate KE**, Wilkes D, Chung CJ. Fibular Hemimelia: More Than Just an Absent Bone. *Seminars in Musculoskeletal Radiology* 1999;3(3):227-237
18. Anton C+, **Applegate KE**, Kuivila TE. Proximal Focal Femoral Deficiency (PFFD). *Seminars in Musculoskeletal Radiology* 1999;3(3):215-225
19. **Applegate KE**, Finkelstein M, Gross G. The Imaging of Musculoskeletal Trauma in Child Abuse. *Seminars in Musculoskeletal Radiology* 1999;3(4):351-358
20. Sivit CJ, **Applegate KE**, Berlin SC, Myers, MT, Stallion A, Dudgeon DL, Borisa V, Morrison SC, Weinert DM, Grisoni ER. Helical CT for the Evaluation of Suspected Appendicitis in Children. *Radiology* 2000;216:430-433
21. Montgomery AB*, Gilkeson RC, Glauser J, **Applegate KE**. The Role of Spiral CT Using the Pulmonary Embolus Protocol: A Comparison of Emergency Department and Hospitalized Populations. *Emergency Radiology* 2000;7:25-30
22. Sivit CJ, **Applegate KE**, Stallion A, Dudgeon DL, Salvator A, Schluchter M, Berlin SC, Myers MT, Borisa V, Weinert DM, Morrison SC, Grisoni ER. Imaging evaluation of suspected appendicitis in a pediatric population: effectiveness of sonography versus CT. *AJR* 2000;175:977-980
23. Abramson S*, Walders N, **Applegate KE**, Gilkeson RC, Robbin MM. Impact in the emergency department of unenhanced CT on diagnostic confidence and therapeutic efficacy in patients with suspected renal colic: a prospective survey. *AJR* 2000;175:1689-1695
24. Singer ME, **Applegate KE**. Cost-Effectiveness Analysis in Radiology. *Radiology* June 2001;219:611-620
25. Sivit CJ, Siegel M, **Applegate KE**, Newman K. Imaging children with possible appendicitis. *RadioGraphics* 2001;21:247-262
26. Bardo DM*, Frankel DG, **Applegate KE**, Murphy DJ, Saneto RP. Hypoplastic Left Heart Syndrome. *RadioGraphics* 2001;21:705-717

27. Myers MT, Elder JS, Sivit CJ, **Applegate KE**. Unenhanced Helical CT in the Evaluation of the Urinary Tract in Children and Young Adults Following Urinary Tract Reconstruction: Comparison with Sonography. *Pediatr Radiol* 2001;31:135-139
28. **Applegate KE**, Sivit CJ, Salvator A, Borisa V, Stallion A, Dudgeon DL, Grisoni ER. The effect of cross-sectional imaging on negative appendectomy and perforation rates in children. *Radiology* 2001;220:103-107
29. **Applegate KE**, Sivit CJ, Myers MT, Pschesang B*. Helical CT diagnosis of acute appendicitis in children: spectrum of CT findings. *AJR* 2001;176:501-505
30. Obuchowski NA, Goske MJ, **Applegate KE**. Assessing Physicians' Accuracy in Diagnosing Pediatric Patients with Acute Abdominal Pain: Measuring Accuracy for Multiple Diseases. *Stat in Med* 2001;20:3261-3278
31. Crewson PE, **Applegate KE**. Data Collection in Radiology Research. *AJR* 2001;177:755-761 [part 4 of a 22 article module on clinical research for radiologists]
32. **Applegate KE**, Crewson PE. An Introduction to Biostatistics. *Radiology* 2002;225:318-322 [co-editors of this Statistical Concepts Series for Radiologists]
33. Obuchowski N, **Applegate KE**, Goske MJ, Arheart K, Morrison S, Myers M. The 'Differential Diagnosis' for Multiple Diseases: Comparison to the binary truth experiment in two empirical studies. *Acad Radiol* 2001;8:947-954
34. **Applegate KE**, Dardinger JT*, Lieber ML, Herts BR, Davros WJ, Obuchowski NA, Maneker A. Spiral CT scanning technique in the detection of aspiration of LEGO foreign bodies. *Pediatr Radiol* 2001;31:836-840
35. Sivit CJ, **Applegate KE**. Imaging of acute appendicitis in children. *Semin Ultrasound CT MR*. 2003 Apr;24(2):74-82
36. **Applegate KE**, Tello R, Ying J. Hypothesis Testing 3: Counts and Medians. *Radiology* 2003;228:603-608 [Statistical Concepts Series for Radiologists]
37. Katz DS, Wagner HJ, Grampp S, Miller TT, Frush DP, Peh W, **Applegate KE**. The RSNA Editorial Fellowship – The Editorial Fellows' Perspective. *Radiology* 2003;226:309-311
38. Sunshine J, **Applegate KE**. Technology assessment for radiologists. [Statistical Concepts Series for Radiologists] *Radiology* 2004;230:309-314
39. **Applegate KE**. Continuous Quality Improvement in Radiology. *Academic Radiology* 2004;11(2):155-161
40. Frush DP, **Applegate KE**. Computed Tomography and radiation: understanding the issues. *J Am Coll Radiology* 2004;1(2):113-119
41. **Applegate KE**, Crewson PE. Statistical Literacy. *Radiology* 2004;230:613-614
42. **Applegate KE**. Historical Perspective: Lee Lusted, a pioneer in radiology health services research. *Academic Radiology* 2004;11(2):213-214

43. Johnson A, Littenberg B, Williams L, Ying J, Swan JS, **Applegate KE**. High-quality radiology reporting: A physician survey to define the target. *J Am Coll Radiol* 2004;1:497-505
44. Smith WL, **Applegate KE**. Likely Effects of Radiology Extenders on Radiology Training. *J Am Coll Radiol* 2004;1:402-404
45. Johnson A, Hawkins H, **Applegate KE**. Web-based results distribution—New channels of communication from radiologist to patient. *J Am Coll Radiol* 2005;2:168-173
46. **Applegate KE**, Wood B. Report of the Section on Radiology of the American Academy of Pediatrics. *Pediatr Radiol* 2004;34:370-371
47. Potterton V#, Ruan S#, Sunshine JH, **Applegate K**, Cypel Y, Forman HP. Why don't women medical students choose diagnostic radiology? A review of the literature. *J Am Coll Radiol* 2004;1:583-590
48. **Applegate KE**. The Future Workforce in Academic Radiology: Gender, Generational, and Cultural Influences. *J Am Coll Radiol* 2005;2:1133-1138
49. Jackman C*, Sokol D, **Applegate K**, Kayes K, Mahmud W. Foot drop due to peroneal ganglion cyst in an adolescent. *The Internet Journal of Neurology*. 2005. Volume 3 Number 2.
50. **Applegate KE**. Science to Practice. Can MRI be used to characterize fetal musculoskeletal development? *Radiology* 2004; 233(2):305-6
51. McGarvey C*, **Applegate KE**, Lee DN, Sokol D. False-positive metaiodobenzylguanidine scan for neuroblastoma in a child with opsoclonus-myoclonus syndrome treated with adrenocorticotrophic hormone (acth). *J Child Neurol*. 2006 Jul;21(7):606-10
52. Gunderman RB, **Applegate KE**. Managing risk: threat or opportunity? *AJR* 2005;185:43-45
53. Dunnick R, **Applegate KE**, Aronson R. The inappropriate use of imaging: A report of the 2004 intersociety conference. *J Am Coll Radiol* 2005;2:401-406
54. **Applegate KE**, Anderson JA+, Klatte E. Malrotation of the gastrointestinal tract: A problem solving approach to performing the upper GI series. *RadioGraphics* 2006;26:1485-1500
55. Karmazyn B, Werner E#, Rajaie B+, **Applegate KE**. Mesenteric lymph nodes in children—what is normal? *Pediatr Radiol* 2005;35(8):774-777
56. **Applegate KE**. Intussusception in Children: Evidence-based review and self-assessment module. *AJR Am J Roentgenol*. 2005 Sep;185(3 Supp):S175-83
57. Karmazyn B, Kleiman MB, Buckwalter K, Loder RT, Siddiqui A, **Applegate KE**. Acute pyomyositis of the pelvis: the spectrum of clinical presentations and MR findings. *Pediatr Radiol* 2006;36:338-343
58. Blake M*, Oates E, **Applegate K**, Kuligowska E. Proposed Program Guidelines for Pregnant Radiology Residents A project supported by the American Association for Women Radiologists and the Association of Program Directors in Radiology. *Acad Radiol*. 2006;13(3):391-401

59. Dunnick NR, **Applegate KE**, Aronson R, Levin D. Training for the future of radiology: Summary report of the 2005 intersociety conference. J Am Coll Radiol 2006;3:319-24
60. Ruan S#, Bahgarvan M, Potterton V#, **Applegate KE**, Sunshine JH, Forman HP. Residency and professional lifestyle characteristics: their predictive ability in female medical students' specialty choice. (submitted, JACR)
61. Kaiser TD#, **Applegate KE**, Ladd AP. Intussusception management at one children's hospital: A 15 year review. Surgery 2007; 142(4):469-77
62. Brody A, Frush D, and the section on radiology of the American Academy of Radiology (executive committee member). Clinical report: Radiation risks to children from CT scanning. Pediatrics 2007;120(3):677-682
63. Karmazyn B, Kleiman MB, Loder RT, Siddiqui A, **Applegate KE**. The role of pelvic MR in evaluating non-hip sources of infection in children with acute non-traumatic hip pain. J Pediatr Orthop. 2007 Mar;27(2):158-164
64. Johnson CD, Swenson SS, **Applegate KE**, et al. Quality Improvement in Radiology: White Paper Report of the Sun Valley Group Meeting. J Am Coll Radiol 2006;3:544-549
65. Staser J*, Alam T#, **Applegate KE**. Calcified Pulmonary Thromboembolism in a Child with Sickle Cell Disease: Value of Multi-Detector CT in Patients with Acute Chest Syndrome. Ped Radiol 2006;36:561-3
66. Morozov A#, **Applegate KE**, Brown S#, Howenstine M. High-attenuation mucus plugs on MDCT in a child with cystic fibrosis: Allergic Bronchopulmonary Aspergillosis? Pediatric Radiology 2007 Jun;37(6):592-5
67. **Applegate KE**. Pregnancy Screening of Patients Prior to Radiologic imaging: Do we need a national guideline? J Am Coll Radiol 2007; Aug;4(8):533-6
68. Dunnick NR, **Applegate KE**, Arenson R. Quality-A radiology imperative: Report of the 2006 intersociety conference. J Am Coll Radiol 2007;4:156-161
69. Williams MB, Krupinski EA, Strauss KJ, Breeden, WK 3rd, Rzeszutarski M, **Applegate K**, Wyatt M, Bjork S, Seibert AJ. Digital Radiography Image Quality: Image Acquisition. J Am Coll Radiol 2007;4(6):371-88
70. Krupinski EA, Williams MB, Strauss KJ, Breeden, WK 3rd, Rzeszutarski M, **Applegate K**, Wyatt M, Bjork S, Seibert AJ. Digital Radiography Image Quality: Image Display J Am Coll Radiol 2007;4(6):389-400
71. Kitchin D#, **Applegate KE**. Learning Radiology: A Survey Investigating Radiology Resident Use of Textbooks, Journals, and the Internet. Acad Radiol 2007; 14(9):1113-20
72. The ACR Blue Ribbon Panel Report: Radiation safety issues for radiologists. Amis S, Butler P, **Applegate KE**, et al. J Am Coll Radiol 2007;4(5):272-84
73. Maglinte DT, **Applegate KE**, Jennings SG, et al. Conscious Sedation for Patients Undergoing Enteroclysis: Comparing the Safety and Patient-reported Effectiveness of Two Protocols. Eur Radiol 2008 Mar 27.

74. Delaney L+, **Applegate KE**, Karmazyn B, Akisik F, Jennings SG. Magnetic resonance cholangiopancreatography in children: feasibility, safety, and initial experience in children. *Pediatr Radiol* 2008 Jan;38(1):64-75
75. **Applegate KE**. Intussusception in children: imaging choices. *Seminars in Roentgenology* 2008 Jan;43(1):15-21
76. **Applegate KE**. Letter from the guest editor. *Semin Roentgenol.* 2008 Jan;43(1):3
77. Brown S#, **Applegate KE**, Sandrasagarian K, Skanthakumar A#, Garrett J*, Jennings SG, Maglinte DT. Fluoroscopic and CT enteroclysis in children: initial experience, technical feasibility, and utility. *Pediatr Radiol.* 2008;38(5):497-510
78. Sizemore A#, Rabbani KZ#, Ladd A, **Applegate KE**. Diagnostic Performance of the Upper Gastrointestinal Series in the Evaluation of Children with clinically suspected malrotation. *Pediatr Radiol.* 2008;38(5):518-28
79. Khanna G, **Applegate KE**. Ultrasound guided intussusception reduction: are we there yet? *Abdom Imaging.* 2008 Jan-Feb;33(1):38-40. Review
80. Llapur CJ, Martínez TM, Coates C, Tiller C, Wiebke JL, Li X, **Applegate K**, Coxson HO, Tepper RS. Lung Structure and Function of Infants with Recurrent Wheeze when Asymptomatic. *Eur Respir J.* 2009 Jan;33(1):107-112
81. Laskey AL, Catallier MJ, **Applegate KE**. Post-Mortem Skeletal Survey Practice in Pediatric Forensic Autopsies: A National Survey. *J Forensic Sci.* 2008 Nov 21
82. 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. *AJR Am J Roentgenol.* 2009 Jan;192(1):143-9
83. The SPR writer's group: Marilyn J. Goske MD, Chair, **Kimberly E. Applegate MD, MS**, Jennifer Boylan, MA, Penny Butler, MS, Michael J. Callahan MD, Brian D. Coley, MD, Shawn Farley, Donald P. Frush MD, Marta Hernanz-Schulman MD, Diego Jaramillo, MD, MPH, Neil D. Johnson MD, Sue C. Kaste DO, Greg Morrison, CAE, MA, RT(R), CNMT, Keith J. Strauss MS, Nora Tuggle, CAE. The Image Gently Campaign: Working Together to Change Practice. *AJR Am J Roentgenol* 2008 Feb;190(2):273-4.
84. **The SPR Writer's Group**: The SPR The Image Gently Campaign: Increasing CT Radiation Dose Awareness through a National Education and Awareness Program. *Pediatr Radiol* 2008 Mar;38(3):265-269
85. Markel TA*, Kumar R#, Koontz N#, Scherer LR, **Applegate KE**. The utility of CT as a screening tool for the evaluation of pediatric blunt chest trauma. *J Trauma.* 2009 Jul;67(1):23-8
86. **Applegate KE**, Maglinte DT. Imaging the bowel in children: new imaging techniques. *Pediatr Radiol* 2008; May;38 Suppl 2:S272-4; syllabus for 2008 course
87. Wagner L, **Applegate KE**, co-chairs, 2008 American College of Radiology practice guideline for imaging pregnant or potentially pregnant adolescents and women with ionizing radiation. http://www.acr.org/SecondaryMainMenuCategories/quality_safety/guidelines/dx

88. Goske MJ, **Applegate KE**, Boylan J, Butler P et al (Image Gently Steering Committee). Image Gently: A National Education and Communication Campaign in Radiology Using the Science of Social Marketing. *J Am Coll Radiol*. 2008 Dec;5(12):1200-5
89. Roubidoux MA, Packer MM#, **Applegate KE**, Aben G. Female medical students' interest in a radiology career. *JACR* 2009;6:246-253
90. Bulas D, Goske MJ, **Applegate KE**, Wood B. Why we should talk to parents about CT imaging in children. *AJR* 2009;192:1176-1178
91. Bulas D, Goske MJ, **Applegate KE**, Wood B. Image Gently: Improving Health Literacy for Parents about CT Scans for Children. *Pediatr Radiol*. 2009 Feb;39(2):112-6.
92. Ip S*, Ko H, **Applegate KE**. Factors influencing career choices in radiology trainees in Queensland, Australia *Med Imaging Radiat Oncol*. 2010 Apr;54(2):93-99
93. **Applegate KE**. Intussusception in children: evidence-based diagnosis and treatment. *Pediatr Radiol* 2009;39(suppl 2):S140-S143 (syllabus for 2009 course)
94. **Applegate KE**. Evidence-based diagnosis of malrotation and volvulus. *Pediatr Radiol* 2009;39(suppl 2):S161-S163 (syllabus for 2009 course)
95. AIUM practice guideline for the performance of renal artery duplex sonography. American Institute of Ultrasound in Medicine; American College of Radiology. *J Ultrasound Med*. 2009 Jan;28(1):120-4
96. AIUM practice guideline for the performance of an ultrasound examination for detection and assessment of developmental dysplasia of the hip. American Institute of Ultrasound in Medicine; American College of Radiology. *J Ultrasound Med*. 2009 Jan;28(1):114-9 [collaborator]
97. Kleinman P and the section on radiology executive committee for the American Academy of Pediatrics. Diagnostic imaging of child abuse. [Policy Statement] *Pediatrics* 2009;123:1430-1435
98. Johnson A, Swan JS, Williams LS, **Applegate KE**, Littenberg B, Chen M. A Cohort Study of Structured Reporting Compared with Conventional Dictation. *Radiology* 2009; Oct;253(1):74-80
99. Dranove J, **Applegate K**. Type I familial visceral myopathy presenting with CT findings of superior mesenteric artery syndrome in an adolescent. *J Pediatr Gastroenterol Nutr*. 2009 Oct;49(4):379
100. Goske MJ, **Applegate KE**, Bell C, Boylan J, Bulas D, Butler P, Callahan MJ, Coley BD, Farley S, Frush DP, McElveny C, Hernanz-Schulman M, Johnson ND, Kaste SC, Morrison G, Strauss KJ. Providing Practical Educational Tools and Advocacy to Accelerate Radiation Protection for Children Worldwide. *Semin Ultrasound CT MR*. 2010 Feb;31(1):57-63
101. Strauss KJ, Goske MJ, Kaste SC, Bulas D, Frush DP, Butler P, Morrison G, Callahan MJ, **Applegate KE**. Image gently: Ten steps you can take to optimize image quality and lower CT dose for pediatric patients. *AJR* 2010; 194(4):868-73
102. Rao L+, Tiller C, Coates C, Kimmel R, **Applegate KE**, Grannoth-Cook J, Denski C, Jnguyen J, YU Z, Hoffman E, Tepper RS. Lung growth in infants and toddlers assessed by high resolution computed tomography. *Acad Radiol* 2010 Sep;17(9):1128-1135

103. Cohen MD, Corea DD, Wanner MR, Karmazyn B, Gunderman RB, Patterson R, **Applegate K**, Jennings SG. Evaluation of a new phosphor plate technology for neonatal chest radiographs. *Acad Radiol* 2011;11:197-8
104. Merck L, Houry D, Gipson M#, Hemphill R, Lowery-North D, **Applegate K**. Informed Consent for Computed Tomography. *Am J Emerg Med* 2011 Feb;29(2):230-232
105. Dorfman AL, Fazel R, Einstein A, **Applegate K**, et al. Use of Medical Imaging Procedures With Ionizing Radiation in Children: A Population-Based Study. *Arch Pediatr Adolesc Med* 2011; May;165(5):458-64
106. Sauer C, Kugathasan S, Martin D, **Applegate K**. Medical Radiation Exposure in Children with Inflammatory Bowel Disease Estimates Potentially High Cumulative Doses. *Inflamm Bowel Dis* 2012; Nov;17(11):2326-2332
107. Lau L, Perez M, **Applegate KE**, Rehani M, Ringertz H, George R. Global Quality Imaging: Improvement Actions. *J Am Coll Radiol* 2011; May;8(5):330-4
108. Lau L, Perez M, **Applegate KE**, Rehani M, Ringertz H, George R. Global Quality Imaging: Emerging Issues. *J Am Coll Radiol* 2011;Jul;8(7):508-12
109. **Applegate KE**, Thomas K. Pediatric CT: The Challenge of Dose Records. *Pediatr Radiol* 2011 Sep;41 Suppl 2:523-7. Epub 2011 Aug 17
110. Goske MJ, **Applegate KE**, Boylan J, et al. on behalf of The Alliance for Radiation Safety in Pediatric Imaging. Approaches to promotion and implementation of action on radiation protection for children. *Radiat Prot Medicine* 2011 Sept;147(1-2):137-141
111. Travis L, Ng A, Allen J, Pui CH, Kennedy A, Xu X, Purdy J, **Applegate K**, Yahalom J, Constine L, Gilbert E, Boice J. Second Malignant Neoplasms and Cardiovascular Disease Following Radiotherapy. *J Natl Cancer Inst* 2012 Mar;104(5):357-70
- 111.
112. Moser JW, **Applegate KE**. Use of Radiologic Services by Uninsured Hospital Inpatients. *JACR* 2012; 9(1):42-9
113. Moser JW, **Applegate KE**. Imaging and Insurance: Do the Uninsured Get Less Imaging in Emergency Departments? *JACR* 2012;Jan;9(1):50-7
114. Vassileva J, Rehani M, Al-Dhuhli H, Al-Naemi H, Al-Suwaidi J, **Applegate K**, et al. IAEA survey of pediatric CT practice in 40 countries in Asia, Europe, Latin America and Africa: Part 1. Frequency and Appropriateness. *AJR Am J Roentgenol*. 2012 May;198(5):1021-31 [name misspelled]
115. EE Sarria; R Mattiello PT, L Rao, C Tiller, R. Kimmel, B Poindexter **KE Applegate**, J Granroth-Cook, C Denski, J Nguyen, Z. Yu, E. Hoffman, RS Tepper. Quantitative Assessment of Chronic Lung Disease of Infancy using Multi-slice Computed Tomography. *Eur Respir J* Epub 2011 Oct 17
116. Goske MJ, **Applegate KE**, Bulas D, et al. Image Gently: progress and challenges in CT education and advocacy. *Pediatr Radiol*. 2011 Sep;41 Suppl 2:461-6. Epub 2011 Aug 17

117. Goske MJ, **Applegate KE**, Rehani M, Perez M. Large Scale Quality Improvement for Radiation Protection for Children Worldwide: Lessons from the Past Applied to the Present. *AJR Am J Roentgenol*. 2012 May;198(5):992-5
118. Sauer C, Middleton JP, Udayasankar UK+, Alazraki A, Kalb B, **Applegate KE**, Martin D, Kugathasan S. Comparison of Magnetic Resonance Enterography (MRE) to endoscopy, histopathology and laboratory evaluation in Pediatric Crohn's Disease. *J Pediatr Gastroenterol Nutr*. 2012 Aug;55(2):178-84
119. Vassileva J, Rehani M, **Applegate K**, Al-Dhuhli H, Al-Naemi H, Al-Suwaidi J, et al. IAEA survey of pediatric CT practice in 40 countries in Asia, Europe, Latin America and Africa: Part 2. Procedures and protocols. *Eur Radiol* 2013 Mar;23(3):623-31 PMID 22940731
120. Goske MJ, **Applegate KE**, Bulas D, et al. *Image Gently®* Five Years Later: What goals remain to be accomplished in radiation protection for children? *AJR* 2012 Sept;199(3):477-9
121. Kahn CE, Heilbrun ME, **Applegate KE**. From guidelines to practice: How reporting templates promote the use of radiology practice guidelines. *J Am Coll Radiol* 2013 Apr; 10(4):268-73
122. Cost NG+, **Applegate KE**. Image Gently: A Campaign to Reduce Children's and Adolescents' Risk for Cancer During Adulthood. *Journal Adolescent Health* 2013;May;52(5 Suppl):S93-7
123. Khong PKL, Ringertz H, Donoghue V, Frush D, Rehani M, **Applegate K**, Sanchez R. ICRP Publication121: Radiological Protection in Paediatric Diagnostic and Interventional Radiology. Volume 42, Issue 2, April 2013, Pages 1–63 [last name misspelled]
124. Herr K*, Moreno, CC, Mittal P, Small W, Murphy F, Fantz C, **Applegate KE**. Rate of detection of unsuspected pregnancies after implementation of mandatory point of care urine pregnancy testing prior to hysterosalpingography. *J Am Coll Radiol* 2013 Jul;10(7): 533-7 PMID 23598155
125. Lutterman AC#, Moreno CC, Kang J, Small W, Mittal P, **Applegate KE**. Cumulative Radiation Exposure Estimates of Hospitalized Patients From Radiologic Imaging. *J Am Coll Radiol* 2014 Feb;11(2):169-175
126. Russell S, Fowler L, **Applegate KE**, Kang J. Speech-Language Pathologists' Radiation Knowledge and Practices During Completion of the Modified Barium Swallow Study: A Survey. *American Journal of Speech Language Pathology* Mar 2014;21(4): 369-391
127. Yan X+, Kang, J, Zhou Y, Ehsan R, Halkar R, **Applegate KE**, Schuster D. Imaging Quality of F-18-FDG PET/CT in the Inpatient versus Outpatient Setting. *Annals of Nuc Med* 2013; March 12
128. Bahar Mansoori, Lorena L. Vidal, **Kimberly Applegate**, James V Rawson, Pablo R. Ros. Impact of Affordable Care Act on Academic Radiology Departments' Clinical, Research and Education Missions. *Acad Radiol* 2013 Oct;20(10):1213-1217
129. ER Wald, **Applegate KE**, et al. AAP Clinical Practice Guideline: Management of sinusitis, revised. *Pediatrics* 2013 July;132:e262–e280. available online at: <http://pediatrics.aappublications.org/content/early/2013/06/19/peds.2013-1071>

130. Sadigh G*, **Applegate KE**, Baumgarten DA, 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. *Acad Radiol* Jan 2014; 21(1):113-125
131. Peter A. Harri, MD, Courtney C. Moreno, MD, Rendon C. Nelson, MD, Negar Fani, PhD, William C. Small, MD, PhD, Anh Duong, MD, **Kimberly E. Applegate**. Variability of Multi-Detector CT Dose Due to Technologist Performance: Impact of PA vs AP localizer image and table height with use of Automated Tube Current Modulation. *AJR Am J Roentgenol* 2014 Aug; 203 (2):377-386 PMID: 25055274
132. Boddu S, Corey A, Peterson R, Saindane AM, Hudgins PA, **Applegate KE**. Fluoroscopic-guided lumbar puncture (LP): Fluoroscopy time and implications of body-mass index (BMI): a baseline study. *AJNR Am J Neuroradiol*. 2014 Apr 10
133. Moreno CC, Travis C, Small W, Bowen M, Li J, Torres W, Mittal P, Hollis B, Dickerson M, **Applegate KE**. The voice of experience: 50% reduction in time between patient check-in and first pass for ultrasound-guided thyroid fine needle aspirations through work flow redesign. *J Am Coll Radiol*. 2014 Aug;11(8):826-9. doi: 10.1016/j.jacr.2013.11.005.
134. Farooki S, Chatfield M, Sebastian V, Knighton J, Conde JM, **Applegate KE**, Tejedor SC. The Voice of experience: Automated data and information transfer (ARDIT): A pilot study at Emory Healthcare in conjunction with the ACR. *J Am Coll Radiol* 2014 Nov;11(11): 1087-1089. doi: 10.1016/j.jacr.2014.01.011. Epub 2014 Apr 1.
135. Graves JM, Kanal KN, Vavilala MS, **Applegate KE**, Jarvik JG, Rivera FP. Hospital level factors associated with use of pediatric radiation dose reduction protocols for head CT: results from a national survey. *JACR* 2014 Jul 11;(7):717-724
136. Kanal KN, Graves JM, Vavilala MS, **Applegate KE**, Jarvik JG, Rivera FP. Variation in computed tomography pediatric head exam radiation dose: results from a national survey. *AJR Am J Roentgenol*. 2015 Mar;204(3):W293-301
137. Sadigh G*, Khan R, Kassin M*, **Applegate KE**. Radiation Safety Knowledge and Perceptions among Residents: A Potential Improvement Opportunity for Graduate Medical Education in the United States. *Acad Radiol* 2014 Jul;21(7):869-878
138. Lozano KD, Hawkins CM#, Rosenthal SA, Matsumoto AH, Ma LD, **Applegate KE**. Driving Change: Taking Ownership of our profession and its future. *J Am Coll Radiol* 2014 Apr;11(4):359-361 PMID 24485760
139. Travis LB, Ng AK, Allan JM, Pui CH, Kennedy AR, Xu XG, Purdy JA, **Applegate K**, Yahalom J, Constine LS, Gilbert ES, Boice JD Jr. Second malignant neoplasms and cardiovascular disease following radiotherapy. *Health Phys*. 2014 Feb;106(2):229-46 PMID 24378498
140. Villarreal M#, Rostad B*, Wright R, **Applegate KE**. Improving procedure start times in interventional radiology through the application of CQI principles. *Acad Radiol* 2015 Dec;22(12):1579-1586 PMID 26423205
141. Little BP, Duong PH, Knighton J, Baugnon K, Campbell-Brown E, Kitajima H, St Louis S, Tannir, H, **Applegate KE**. CT dose standardization and reduction: a quality audit and improvement program using the ACR DIR. *J Am Coll Radiol*. 2015 Dec 12(12 Pt A):1237-1265 PMID 26475376

142. Moncayo V*, **Applegate KE**, Baron B, Fitz J, Halkar R, Lee D, Schuster D. Nuclear medicine pre-therapy consultation: A vehicle for individualized patient care and process improvement. *Acad Radiol* 2015 Jun;22(6):771-8. doi: 10.1016
143. Razavi SA*, Johnson JO, Kassin M*, **Applegate KE**. The impact of the introduction of a no oral contrast abdominopelvic CT examination (NOCAPE) pathway on radiology turnaround times, emergency department length of stay, and patient safety. *Emerg Radiol* 2014 Dec; 21(6):605-613
144. Hawkins CM, Flug J, Metter D, Strax R, Lozano K, Herrington H, **Applegate KE**. Adapting to the New Radiology Landscape: Challenges and Solutions Discussed at the AMCLC 2014 Open Microphone Sessions. *JACR* 2015 Feb;12(2):151-4. doi: 10.1016/j.jacr.2014.09.020. Epub 2014 Oct 17 PMID 25448061
145. **Applegate KE**. Protection of Patients in Diagnostic and Interventional Medical Imaging: Collaboration is the Key. *Health Phys.* 2015 Feb;108(2):221-3
146. Ramamurthy S, Bhatti P, Munir F, Ng T*, **Applegate K**, Tridandapani S. A Novel Technology for Automatically Obtaining Digital Facial Photographs Near-Simultaneously with Portable Radiographs. *J Dig Imaging* 2014: Dec 2. [EPUB]
147. Sadigh G*, Zou K, Rhazavi AH*, Khan R, **Applegate KE**. Systematic Review and Meta-Analysis of Air versus Liquid Enema for Intussusception Reduction in Children. *AJR Am J Roentgenol.* 2015 Nov;205(5):W542-9. PMID: 26496576
148. Sadigh G*, Loehfelm T*, **Applegate KE**, Tridandipani S. JOURNAL CLUB: Evaluation of Near-miss Wrong-Patient Errors in Radiology Reports. *AJR Am J Roentgenol.* 2015 Aug;205(2):337-43. doi: 10.2214; PMID 26204284 (*selected for AJR Journal Club by editors*)
149. Gunderman RB, Herrington B, Cerniglio J, **Applegate KE**. The Vital Role of the Council Steering Committee: Setting Policy and Representing Members. *J Am Coll Radiol.* 2015 Aug;12(8):770-2. doi: 10.1016
150. Sabbatini AK, Merck LH, Froemming A, Vaughan W, Brown MD, Hess EP, **Applegate K**, Comfere N. Optimizing Patient-Centered Communication and Multidisciplinary Care Coordination in Emergency Diagnostic Imaging: A Research Agenda. *Acad Emerg Med.* 2015 Nov 17. doi: 10.1111/acem.12826. [Epub ahead of print] PMID: 26575785
151. Kanzasaria HK, McCabe AM, Meisel Z, LeBlanc A, Schaffer JT, Bellolio MF, Vaughan W, Merck LH, **Applegate KE**, Hollander JE, Grudzen CR, Mills AM, Carpenter CR, Hess EP. Advancing Patient-Centered Outcomes in Emergency Medicine. *Acad Emerg Med.* 2015 Nov 17. doi: 10.1111/acem.12832. [Epub ahead of print] PMID: 26574729
152. Marin J, Mills A, **Applegate KE**, Kanal K, Chatfield M. Variation of pediatric cervical spine computed tomography radiation dose index. *Acad Emerg Med.* 2015 Nov 14. doi: 10.1111/acem.12822. PMID: 26568459
153. Hanna T, Streicher D*, Razavi SA*, Johnson JO, **Applegate KE**. Enteric Distribution of Oral Contrast in ED patients Undergoing Abdominal-Pelvic CT. *Canad Assoc Rad Journal* 2016 Feb 19. pii: S0846-5371(15)00104-7. doi: 10.1016/j.carj.2015.09.008. [Epub ahead of print]

PMID: 26899379

154. Sadigh G*, **Applegate KE**, Ng T*, Hendrix K, Tridandipani S. Stakeholder perceptions regarding the use of Patient Photographs Integrated with Medical Imaging Studies. J Digital Imaging 2015 Nov 30. [Epub ahead of print] PMID: 26620199

155. **Applegate KE**. Image Gently: A Campaign to Promote Radiation Protection for Children Worldwide. Invited Review. South African Journal of Radiology 2015 Dec; 19(2) doi: 10.4102/sajr.v19i2.919

156. Merck LH, Ward LA, **Applegate KE**, Choo E, Lowery-North DW, Heilpern KL. Written Informed Consent for Computed Tomography of the Abdomen/Pelvis is Associated with Decreased CT Utilization in Low-Risk Emergency Department Patients. West J Emerg Med. 2015 Dec;16(7):1014-24. doi: 10.5811/westjem.2015.9.27612. Epub 2015 Nov 16. PMID: 26759646 [Discussed in same issue Op-Ed by Carney D, Rodriguez RM. pp.1030-1032.]

157. Eric Stern, Darlene Metter, Catherine Everett, Jonathan Flug#, William Herrington, **Kimberly E. Applegate**. 2015 AMCLC Open-Microphone Session: Improving the IQ (Information Quality) of What We Do. J Am Coll Radiol. 2016 Jan 4. pii: S1546-1440(15)01219-3. doi: 10.1016/j.jacr.2015.11.004. [Epub ahead of print]

158. N Kokabi*; M Xing; R Duszak, Jr; D H Howard; **KE Applegate**; J C Camacho; H S Kim. Sociodemographic Impact on Survival in Unresectable Hepatocellular Carcinoma: A Survival Epidemiology and End Results Study. Future Oncol. 2016 Jan;12(2):183-98.

159. Filev PD*, Moreno CC, Tang XY, Duong A, Wang X, **Applegate KE**, Small W. Increased Computed Tomography Dose Due to Miscentering With Use of Automated Tube Voltage Selection: Phantom and Patient Study. Curr Probl Diagn Radiol. 2015 Dec 15. pii: S0363-0188(15)30034-7.

160. Practice Parameter for Interventional Clinical Practice and Management. American College of Radiology; Society of Interventional Radiology; Society of Neurointerventional Surgery; Society of Pediatric Radiology. J Vasc Interv Radiol. 2015 Aug;26(8):1197-204. doi: 10.1016/j.jvir.2015.05.017. Epub 2015 Jul 2. [collaborator]

161. Demeter S, **Applegate KE**, Perez M. Internet based ICRP resource for healthcare providers on the risks and benefits of medical imaging that use ionising radiation. Ann ICRP. 2016 Jun;45(1 Suppl):148-155. [EPUB Mar 24]. PMID: 27012846

162. Krupinski EA, Chung A#, **Applegate KE**, DeSimone A#, Tridandipani S. Impact of Patient Photographs on Radiologists' Visual Search of Chest Radiographs. Acad Radiol 2016 Aug;23(8):953-60; PMID: 27161208

163. Sadigh G*, Nandwana S, Moreno S, Cox K, Baumgarten DA, Easter T, **Applegate KE**. Assessment of the Value of Non-contrast to Contrast-Enhanced Abdominal CT Scan for Characterization of Hypervascular Liver Metastases. Current Problems in Diagnostic Radiology 2016; 2016 Nov-Dec; 45(6): 373-379. PMID: 27397022

164. Sadigh G*, Saindane AM, **Applegate KE**. Prevalence of Unanticipated Events Associated with MRI Examinations: A Benchmark for MRI Quality, Safety, and Patient Experience. JACR 2017 Mar 26. pii: S1546-1440(17)30175-8. doi: 10.1016/j.jacr.2017.01.043, PMID 28356198

165. Patel A+, Fielding J, Macura K, **Applegate KE**, Zackula E, Arleo, E. Women's leadership in the ACR: 2001-2015. JACR 2017 Jun;14(6):830-837. [Apr EPUB] PMID: 28456495
166. Sadigh G*, Carlos RC, Ward KC, Switchenko JM, Jiang R, **Applegate KE**, Duszak R JR. Breast Cancer Screening in patients with Newly Diagnosed Lung and Colorectal Cancer. JACR 2017 [RSNA trainee grant] Mar 16. pii: S1546-1440(17)30118-7. doi: 10.1016/j.jacr.2017.01.022, PMID 28325489
167. **Applegate KE**, Frush D. Image Gently: A decade of international collaborations to promote appropriate imaging for children. JACR 2017 Jul;14(7):956-957. doi: 10.1016/j.jacr.2017.04.039. No abstract available. PMID: 28684203
168. Balthazar P*, Konstantopoulos C#, Wick C, DeSimone A*, Tridandipani S, Simoneaux S, **Applegate KE**. Trainees May Add Value to Patient Care by Decreasing Addenda Utilization in Radiology Reports. AJR Am J Roentgenol. 2017 Aug 4;1-6.EPUB doi: 10.2214/AJR.2017 Nov; 209(5); 976-981. PMID: 28777655
[AUR oral presentation 3rd place Trainee Prize 2017]
169. N Kokabi*; M Xing; R Duszak, Jr; D H Howard; **KE Applegate**; J C Camacho; H S Kim. Cancer Directed Therapy and Potential Impact on Survivals in Non-Resected Hepatocellular Carcinoma: SEER-Medicare Study. Future Oncology 2017 Oct; 13(23):2021-2033. [EPUB] PMID 28984155
170. Sadigh G *,_Ruth Carlos, Renjian Jiang, Kevin Ward, Jeffrey Switchenko, **Kimberly E Applegate**, Richard Duszak. Downstream Breast Imaging following Screening Mammography in Medicare Patients with Advanced Cancer: A Population-Based Study. J Gen Intern Med. 2018 Mar;33(3):284-290. doi: 10.1007/s11606-017-4212-x. 2017 Nov 14. [Epub] PMID 29139055
171. Wildman-Tobriner B, Strauss KJ, Chatfield M, Kadom N, Vock P, **Applegate KE**, Frush DP. Using the American College of Radiology Dose Index Registry to Evaluate Practice Patterns and Radiation Dose Estimates of Pediatric Body CT. AJR Am J Roentgenol. 2018 Mar;210(3):641-647. doi: 10.2214/AJR.17.18122. Epub 2018 Jan 11. PMID: 29323552
172. Kadom N, Vey B#, Broder J, Frush D, Broder JS, **Applegate KE**; and Members of the the Image Gently Think-A-Head Campaign Committee. 'Think-A-Head' Social Media Campaign: Sharing Decision Rules for Imaging in Pediatric Traumatic Brain Injury (TBI). AJNR Am J Neuroradiol. 2018 Aug;39(8):1386-1389. doi: 10.3174/ajnr.A5718. PMID 29930097
173. Sadigh G+, **Applegate KE**, Kadom N, (Chatfield M, Frush D, Strauss K). National Variation in Pediatric Non-contrast Head CT Radiation Dose Indices. AJNR Am J Neuroradiol. 2018. Aug;39(8):1400-1405. doi: 10.3174/ajnr.A5719. PMID 29976832
174. Rostad B, **Applegate KE**, Kim T#, Ahmed R, Milla S. Multiphase acquisitions in pediatric abdominal CT are a common practice and contribute to unnecessary radiation dose. Pediatr Radiol 2018 Nov;48(12):1714-1723. PMID 29980861
175. Lexa F, Fessell D. (written contributions from **Applegate KE**, Norbash A, Rawson J, Recht M). Leadership Column. JACR Sept 2016;13(9) p 1158

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
177. Siegel DT#, DeSimone AK*, Wick CA, Tridandapani S, **Applegate KE**. Medical students' perceptions regarding the use of patient photographs integrated with medical imaging studies. *Curr Probl Diagn Radiol*. 2018 May 23. pii: S0363-0188(17)30295-5 PMID 30057128
178. Report No. 293 - Size Specific Dose Estimate (SSDE) for Head CT
The Report of AAPM Task Group 293 (2019), chair, John Boone. available on AAPM web site, July, 2019
179. **Applegate KE**, Ruhm W, Wojcik A, et al. Individual Response of Humans to Ionising Radiation – Governing Factors and Importance for Radiological Protection. *Journal Radiol & Environ Biophysics* 2020 May;59(2):185-209. doi: 10.1007/s00411-020-00837-y. Review. PMID:32146555
180. **Applegate KE**, Shore RE, Dauer LT. Epidemiological Support of the Linear Non-threshold Model in Radiological Protection: Implications of the NCRP Commentary 27 for the Radiologist. *JACR* 2020 Jul 6:S1546-1440(20)30650-5. doi: 10.1016
181. **Kadom N**, Tamasi S, Vey B, Safdar N, **Applegate KE**, Sadigh G, Bettermann EL, Balthazar P, Krupinski EA, Duszak R Jr, Heilbrun ME. Info-RADS: Adding A Message For Patients In Radiology Reports. *J Am Coll Radiol*. 2020 Oct 14:S1546-1440(20)31009-7. doi: 10.1016 PMID: 33068534
182. Lexa F, Fessell D. Perceived Hostility in the Workplace. Vol. 17 Issue 9; p1186–1187
Published online: May 4, 2020 (written contributions from **Applegate KE**).
[DOI:https://doi.org/10.1016/j.jacr.2020.04.002](https://doi.org/10.1016/j.jacr.2020.04.002)
183. Bochud F, Cantone MC, **Applegate K**, Coffey M, Damilakis J, Del Rosario Perez M, Fahey F, Jesudasan M, Kurihara-Saio C, Le Guen B, Malone J, Murphy M, Reid L, Zölzer F. Ethical aspects in the use of radiation in medicine: update from ICRP Task Group 109. *Ann ICRP*. 2020 Aug 11:146645320929630. doi: 10.1177/0146645320929630. PMID: 32777956
184. Pentreath RJ, **Applegate KE**, Higley KA, Peremans K, Natsuhori M, Randall E, Gambino J. Radiological protection of the patient in veterinary medicine and the role of ICRP. *Ann ICRP*. 2020 Sep 4:146645320946619. doi: 10.1177/0146645320946619. PMID: 32885662
185. **Applegate KE**, Úna Findlay, Louise Fraser, Yvonne Kinsella, Liz Ainsbury, Simon Bouffler. Medical management of the pregnant patient – exposures in pregnancy, health effects and risks after moderate and high-dose radiation exposures to the embryo/fetus. *Journal Radiation Protection. Special Issue J Radiol Prot*. 2021 Aug 11. doi: 10.1088/1361-6498/ac1c95. PMID: 34380129
186. Clement C, Ruhm W, Harrison J, **Applegate KE**, Cool D, C-M Larrson, Cousins C, et al. Keeping the ICRP Recommendation Fit For Purpose. *J Radiol Prot*. 2021 Jul 20. doi: 10.1088/1361-6498/ac1611. PMID: 34284364
187. Laurier D, Ruhm W, Paquet F, **Applegate KE**, Cool D, Clement C, on behalf of the International Commission on Radiological Protection (ICRP). Areas of Research to Support the

System of Radiological Protection. Radiation and Environmental Biophysics volume 60, pages 519–530 (2021) Oct 21. <https://doi.org/10.1007/s00411-021-00947-1>

188. Vassileva J, **Applegate KE**, Paulo G, Vano E, Holmberg O. Strengthening radiation protection education and training of health professionals: conclusions from an IAEA meeting. J Radiol Prot. 2021 Dec 7. doi: 10.1088/1361-6498/ac40e9

189. Fisher RF, **Applegate KE**, Berkowitz LK, Christianson O, Dave JK, DeWeese L, Harris N, Jafari ME, Jones AK, Kobistek RJ, Loughran B, Marous L, Miller DL, Schueler B, Schwarz BC, Springer A, Wunderle KA. AAPM Medical Physics Practice Guideline 12.a: Fluoroscopy dose management. J Appl Clin Med Phys. 2022 Mar;23(3):e13526. doi: 10.1002/acm2.13526. Epub 2022 Feb 17. PMID: 35174964; PMCID: PMC8906204

190. Little MP, Brenner AV, Grant EJ, Sugiyama H, Preston DL, Sakata R, Cologne J, Velazquez-Kronen R, Utada M, Mabuchi K, Ozasa K, Olson JD, Dugan GO, Pazzaglia S, Cline JM, **Applegate KE**. Age effects on radiation response: summary of a recent symposium and future perspectives. Int J Radiat Biol. 2022 May 2;1-11. doi: 10.1080/09553002.2022.2063962. PMID: 35394411

191. Ruehm W, Clement C, Cool D, Laurier D, Bochud FO, **Applegate KE**, Schneider T, Bouffler SD, Cho K, Hirth G, Kai M, Liu S, Romanov SA, Wojcik A. Summary of the 2021 ICRP workshop on the future of radiological protection. J Radiol Prot. 2022 Apr 13. doi: 10.1088/1361-6498/ac670e. PMID: 35417898

192. Julie Burt, Julie Leblanc, Kristi Randhawa et al. Radiation Adverse Outcome Pathways (AOPs) are on the Horizon. [part of special issue on AOP development for radiation protection guidance and research] Intl Journal Rad Bio 2022 Sept 6; 1-34. doi: 10.1080/09553002.2022.2121439. PMID: 36067511

193. Klovov D, **Applegate K**, Badie C, Brede DA, Dekkers F, Karabulutoglu M, Le Y, Rutten EA, Lumniczky K, Gomolka M. Using the AOP method to elucidate ionizing radiation induced AML mechanisms. [part of special issue on AOP development for radiation protection and research] Intl J Rad Bio 2022 Sep 7;1-14. doi: 10.1080/09553002.2022.2117873. Online ahead of print. PMID: 36040845

194. Samei E, **Applegate K**, Bochud F, et al. Towards potential harm assessment from the individual patient radiation doses in imaging procedures: a proposal for a new quantity. Medical Physics International Journal 2022; v10 (1) pp71-74

195. Madan Rehani, **KE Applegate**, T Bodzay, et al. Should the radiation exposure from previous CT scans in patients be considered in decisions at subsequent CT scans: An international survey of what clinicians think. European J Radiology 2022; <https://doi.org/10.1016/j.ejrad.2022.110468>

196. Linet M, **Applegate KE**, et al. Proposal for Broad-Based Introductory Radiation Science Education in U.S. Medical Schools to Benefit Patient Care. A summary from the National Academy of Sciences virtual symposium, Nov, 2020. J Amer Coll Radiol, Sept 2022 [10.1016/j.jacr.2022.08.010](https://doi.org/10.1016/j.jacr.2022.08.010)

197. **Applegate KE**. Radiation Sensitivities Column. Update on the work of the ICRP: Working towards keeping recommendations fit for purpose. J Am Coll Radiol. 2023 Mar 28;S1546-1440(23)00261-2. doi: 10.1016/j.jacr.2023.02.026

198. W Rühm, K Cho, C-M Larsson, A Wojcik, C Clement, **K Applegate**, F Bochud, S Bouffler, D Cool, G Hirth, M Kai, D Laurier, S Liu, S Romanov, T Schneider. The Vancouver Call for Action to Strengthen Radiological Protection Worldwide. Radiation and Environmental Biophysics April 2023. <https://doi.org/10.1007/s00411-023-01024-5>

199. C Martin et al. A strategy for achieving optimisation of radiological protection in digital radiology proposed by ICRP. JRP (accepted)

200. Kurihara-Saio C, **Applegate KE**, Jeong JH, Akihani K, Kang KW. Radiological protection and research ethics: A case study of diagnostic radiology toward update of ICRP Publication 62. J Radiol Prot. 2023 Oct 19. doi: 10.1088/1361-6498/ad04f0. PMID: 37857271.

201. Chauhan V, et al. Radiation Adverse Outcome Pathways (AOPs): Examining Priority Questions from an International Horizon-Style Exercise. (submitted to Intl Journal Rad Bio)

202. Frush D, et al. IAEA consultancy meeting: Recurrent Medical Imaging Exposures for the Care of Patients. (Eur J Med, submitted)

203. NCRP Commentary 33 (2023): Recommendations for stratification of equipment use and radiation safety training for fluoroscopy. (Balter S, Miller D, **Applegate K**, et al).

204. Oliveira Bernardo M, Karout L, Morgado F, et al....**Applegate K**, Paulo G, Roberto Costa P. Establishing National Clinical Diagnostic Reference Levels and Achievable Doses for CT examinations in Brazil: A Prospective Study.Eur J Radiol. 2023 Dec; 169:111191. doi: 10.1016/j.ejrad.2023.111191

205. W Rühm, K Cho, C-M Larsson, A Wojcik, C Clement, **K Applegate**, F Bochud, S Bouffler, D Cool, G Hirth, M Kai, D Laurier, S Liu, S Romanov, T Schneider. The Vancouver Call for Action to Strengthen Radiological Protection Worldwide. Radiation and Environmental Biophysics April 2023. <https://doi.org/10.1007/s00411-023-01024-5>

b. Manuscripts submitted or in preparation:

Kaplan S,et al. Quality Improvement Methods in a Resource-Limited Global Health Setting. Pediatr Radiol. 2023

Frush D, et al. IAEA consultancy meeting: Recurrent Medical Imaging Exposures for the Care of Patients.

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
11. J Vassileva, **Applegate K**, G Paolo, E Vano. IAEA Technical Meeting on Education and Training for Radiation Protection Workers. April 2021
12. **Applegate KE**. EURADOS 2021 Winter School on Fetal Radiation Risk: Biological and Genetic Effects. Summary of presentation from February.

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

Scientific paper presentations (115):

- | | |
|------|---|
| 2023 | ICRP TG113 pediatric fluoroscopy dosimetry project update at the AAPM mtg, Summer (Wyatt Smithers) |
| 2023 | ICRP TG113 pediatric fluoroscopy dosimetry project update at the RSNA-AAPM mtg, Nov (Emily Marshall) |
| 2023 | ICRP TG121 update at the ISORED mtg, Stiges, Spain, May (mentees, Liudmila) |
| 2023 | ICRP TG113 pediatric fluoroscopy dosimetry project update at the ISORED mtg, Stiges, Spain, May |
| 2022 | Gomolka M, et al. AOP leukemia ERPW presentation Oct, Estoril, Portugal |
| 2022 | Laurier D, et al. TG121 update after open workshop in Budapest during IRPA European congress, in collaboration with MELODI and ALLIANCE; ERPW presentation Oct, Estoril, Portugal |

- 2022 **Applegate and Fahey** et al (AAPM); **Cantone MC**, et al. Further updates on the ethics of radiological protection with focus on medicine: work of the ICRP Task Group 109. AAPM educational mtg, March; IRPA European Congress, Jun
- 2021 Cantone MC, et al. Further updates on the ethics of radiological protection with focus on medicine: work of the ICRP Task Group 109. ECMP, Jun
- 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 (mtg postponed to Jan 2021)
- 2020 Chieko Kurihara-Saio, **Applegate K**, et al. The case for updating ICRP publication 62 on biomedical research, with example of scenario in accidental exposure research. IRPA mtg, Seoul, May (mtg postponed to Jan 2021)
- 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 Vaneio 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*, Klatte 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*, Klatte 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.
[\[http://www.medical.philips.com/main/products/ct/assets/docs/Multislice/Congenital_heart_disease.pdf\]](http://www.medical.philips.com/main/products/ct/assets/docs/Multislice/Congenital_heart_disease.pdf)
- 2001 Gilkeson C, **Applegate KE**. Multidetector 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/cqi/sectionsearch?tocsectionid=Statistical+Concepts+Series&displaysectionid=Statistical+Concepts+Series&journalcode=radiology&hits=20](http://www.radiology.rsna.org/cqi/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, 2022]

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<<http://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
11. **Applegate KE**, Sadigh G*, Jenny Jones (ACR staff writer). ACR Imaging 3.0 Case Study. Nov 2013 <http://www.acr.org/Advocacy/Economics-Health-Policy/Imaging-3/~media/F27640C1543846C29CFAF2942D0D41E2.ashx>

12. Radiology Department Safety webinar for 'RBMA U' by the Radiology Business Manager's Association (RBMA), 2014.
- 13 ACR Bulletin article on tips for the job interview. Feb 2015.
- 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.arsr.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
3. National Council for Radiation Protection and Measurements Scientific Committee 4-12: Summary Statement on 'Risk Management Stratification of Equipment and Training for Fluoroscopy' (2022)

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/

American College of Radiology national guidelines:

1. Seibert A, **Applegate KE** co-chairs, original 2007 American College of Radiology practice guideline for digital radiography.
http://www.acr.org/SecondaryMainMenuCategories/quality_safety/guidelines/dx/digital_radiography.aspx
2. Wagner L, **Applegate KE** co-chairs, original 2008 American College of Radiology practice guideline for imaging pregnant or potentially pregnant adolescents and women with ionizing radiation.
<http://www.acr.org/~media/9e2ed55531fc4b4fa53ef3b6d3b25df8.pdf>
Major revision committee 2017

3. **Applegate KE** and Twickler D. Sponsor and co-author for original 2010 practice guideline American College of Radiology practice guideline for the safe and optimal performance of fetal MRI.
<http://www.acr.org/~media/CB384A65345F402083639E6756CE513F.pdf>

Letters to the Editor:

1. **Applegate KE**, Connolly LP, Treves ST. Reply. Prospective comparison of SPECT, pinhole, and planar Tc-99m DMSA imaging for the detection of renal cortical defects. Clin Nucl Med 1998
2. **Applegate KE**, Neuhauser D. Re: Whose Aunt Minnie. (Letter to editor) Radiology 1999;211(1):292
3. Linnell GJ, **Applegate KE**. Mediastinal and Abdominal Lymphadenopathy Imitating Lymphoma in an Adolescent with Autoimmune Hepatitis. Pediatr Radiol 2001; 31(6):458-459
4. **Applegate KE**. Evidence-based review of intussusception: further note and correction. (AJR 2006)
5. **Applegate KE**. Visceral heterotaxia with polysplenia syndrome and hemorrhagic splenic infarction as a rare cause of the acute pediatric abdomen. Pediatric Radiology 2006;36:572-573
6. **Applegate KE**, Amis S, Schauer D. The radiation protection professions. NEJM 2009;361:23
7. Wagner L, **Applegate KE**. Imaging in Pregnant Patients: Examination Appropriateness. RadioGraphics 2011;May-June; 31(3):891
8. Goske MJ, **Applegate KE**, Frush D, Shulman MH, Morrison G. Letter to the Editor RE: Radiation exposure from CT scans in childhood and subsequent risk of leukaemia and brain tumours: a retrospective cohort study by Pearce MS, Salotti JA, Little MP, McHugh K, Lee C et al Published online June 7, 2012. Lancet Vol 380 November 17, 2012;1737-1738

Editorial/Invited Commentary:

1. **Applegate KE**. Reply. Situs Revisited: Chest X-ray Recognition, Embryology, and Imaging of Heterotaxy Syndromes. Radiographics 1999;19(4):854
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
9. **Applegate KE**, Rumack CM. Radiology Workforce Issues and Strategies. *Imaging Economics*, spring 2003
10. RSNA 2003 Program Committee Announcement (Oct, 2003). Applegate KE. Subcommittee for Health Policy, Research, and Practice. <http://www.rsna.org/enews/octa.html>.
11. Participant in development of AAWR survey on maternity and pregnancy policies of diagnostic radiology residencies via the APDR membership. 2004
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*
14. AAWR report on the ACR Intersociety Summer Conference, July 2004. Oct 2004 *Focus*
15. AAWR report on the influence of gender and generational differences on the shortage of radiologists. Oct 2004 *Focus*
16. AAWR report on the influence of gender and generational differences on the shortage of radiologists. Oct 2004 *Focus* AAWR newsletter
17. RSNA 2004 Program Committee Announcement (Oct, 2004). Applegate KE. Subcommittee for Health Policy, Research, and Practice. <http://www.rsna.org/enews/octa.html>.
18. How to limit CT radiation dose in your pediatric patients. *Hoosier AAP newsletter*, Dec. 2004
19. Changing management in intussusception: the growing role of ultrasound. *AAP News*, Jan. 2005
20. Malrotation of the gastrointestinal tract: A tricky problem in children. *AAP News*, Jan. 2007
21. Pay for Performance. *Imaging Economics*, Jan 2007
22. The role of imaging in suspected child abuse. *Advance Magazine* for imaging and radiation therapy professionals, April 2007
23. The Alliance for Radiation Safety in Pediatric Imaging – reducing radiation from CT. *AAP News*, Feb 2008
24. A Warm (!) Welcome Down Under: My 6 month sabbatical. Royal Australian and New Zealand College of Radiology newsletter, Sept 2008

25. Parent information brochures (2 page and 8 page) for AAP pediatrician offices as well as the Image Gently Campaign web site. A primer on medical radiation. Bulas D, **Applegate K**, Goske M, Wood B. 2008 (<http://spr.affiniscape.com/associations/5364/ig/index.cfm?page=388>)
26. *RSNA News*, October 2008. Women in Radiology: an update. <http://www.rsna.org/> [also printed in the American College of Radiology Bulletin March 2009]
27. How Do We Miss Child Abuse? By Not Looking Carefully Enough. *AAP Hoosier Newsletter*, March, 2009. Catherine DeRidder, Tara Harris, MD, Antoinette Laskey, **Kimberly Applegate**;
28. How Do We Miss Child Abuse? By Not Looking Carefully Enough. **Kimberly Applegate** interview and article in ACR national bulletin, Nov, 2009
29. National Public Radio local station, WFYI program *Sound Medicine* interview on safe use of medical radiation in children. Sept 28, 2008. <http://soundmedicine.iu.edu/segment.php4?seg=1771>
30. *RSNA News*, March 2009. The job interview: 10 tips for radiology residents.
31. *ACR Bulletin*, March 2009. The Image Gently Campaign at one year: An update.
32. RT Magazine, May 2009. The international outreach of the Image Gently Campaign. Invited editorial.
33. ABC News interview re: Cedars Sinai radiation overdose of 204 patients from CT brain perfusion studies. 10.13.09
34. Atlanta Journal Constitution (newspaper) blog: The role of the pediatric radiologist in radiation protection in imaging Nov 2009
35. NEJM blog for cardiologists: radiation protection issues (10/15/09)
36. CBS News interview (channel 46, Atlanta) re: radiation risk in medicine. Nov 17, 2009
37. Children's Healthcare of Atlanta magazine. Quality in pediatric imaging Jan 2010
38. Emory Healthcare blog: CT radiation protection, Dec 2009
39. ARRS Insight newsletter. Evidence-based medicine article, May 2010
40. ACR Bulletin: Healthcare reform and the role of guidelines and evidence-based medicine (2011).
41. ARRS In Practice newsletter. Radiation protection international perspectives. Korean leadership visit to ARRS 2010 annual meeting. Sept 2010
42. ARRS In Practice newsletter. What does my membership in ARRS mean to me? (2011)
43. The Joint Commission Best Practices newsletter. 'Radiation Safety in Imaging: Best Practices in Health Care'. Vol 11, Issue 5. May 2011
44. Contributor to (not attributed but provided written section): 'The RSNA Editorial Fellows: Then and Now. Radiology' 2015 Sept; 276 (3); 624-631. Edward Y. Lee, MD, MPH Giuseppe Guglielmi, MD Douglas S. Katz, MD

45. Promoting Management and Leadership Interview (Feb 2016) on the HealthManagement.org web site: <https://healthmanagement.org/c/healthmanagement/post/zoom-on-kimberley-applegate-professor-of-radiology-emory-university>
46. AAWR Marie Curie Award acceptance speech Dec 2015: <http://www.aawr.org/Awards/AWR-Awards/2015-AWR-Awards#38061218-marie-sklodowska-curie-award>
47. Aunt Minnie interview regarding ACR meeting poster May 23, 2017: <http://www.auntminnie.com/index.aspx?sec=ser&sub=def&pag=dis&ItemID=117408> Gelareh Sadigh*, Nadja Kadom1, Donald Frush2, Mythreyi Chatfield3, Debapriya Sengupta3, Priyadarshini Karthik3, Keith Strauss4, **Kimberly Applegate**. National Variation in Pediatric Non-Contrast Head CT Radiation Dose Indices.
48. Aunt Minnie interview regarding publication April 14, 2017 (many healthcare and radiology online interviews as well): <http://www.auntminnie.com/index.aspx?sec=ser&sub=def&pag=dis&ItemID=117110> Sadigh G*, Saindane AM, **Applegate KE**. Prevalence of Unanticipated Events Associated with MRI Examinations: A Benchmark for MRI Quality, Safety, and Patient Experience. JACR 2017 Mar 26. pii: S1546-1440(17)30175-8. doi: 10.1016/j.jacr.2017.01.043, PMID 28356198
49. The Wall Street Journal. MRI and gadolinium safety. Interview with health reporter Sumathi Reddy. 9/19/2017 <http://www.cetusnews.com/life/A-Question-for-Anyone-Getting-an-MRI.BkNNzuta5Z.html>.
50. Applied Radiology. Interview 10.2.2017 with Mary Beth Massat. Topic: AI and the future of radiology. RSNA meeting issue, Nov 2017, vol 46, no.11:34-36. <http://appliedradiology.com/articles/radiologists-seek-to-explore-invent-and-transform-at-rsna-2017>
51. The New York Post. MRI and gadolinium safety vis-a-vie Chuck Norris lawsuit. Interview with health reporter Lauren Steussy, 11.13.2017 <https://nypost.com/2017/11/13/can-your-mri-poison-you/>.
52. ACR Bulletin article regarding leadership qualities to value in a crisis (interview with Chad Hudnell August, 2018). Jan 2018 'Crisis Management', Pages 10-12.
53. Diagnostic Imaging magazine article regarding tips for recent radiology trainee graduates on landing the job they want. (interview with Whitney Palmer, May, 2019)
54. Science magazine article regarding the contributions of the RERF, Hiroshima to the policy and recommendations on radiation protection, ICRP. (interview with Dennis Normile, July 2020).