

EMORY UNIVERSITY

STANDARD CURRICULUM VITAE FORMAT

1. **Name:** Elizabeth Anne Krupinski, Ph.D.
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3. **E-mail Address:** ekrupin@emory.edu
4. **Citizenship:** United States of America
5. **Current Titles and Affiliations:**
 - a. **Academic Appointments:**
 - i. **Primary Appointments:**

Professor of Radiology & Imaging Sciences (Tenured), Emory University	2015 - present
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 - ii. **Joint and Secondary Appointments:**

Professor of Psychology, Emory University	2015 - present
Professor of Biomedical Informatics, Emory University	2015 - present
 - b. **Other Administrative Appointments:**

Vice Chair for Research Dept Radiology & Imaging Sciences Emory University	2015 – present
Emory Connected Health Program Subject Matter Expert	2015 – present
6. **Previous Academic and Professional Appointments:**

Undergraduate Research Assistant Psychology, Cornell University	1980
Undergraduate Research Assistant Psychology, Cornell University	1984
Research Specialist Radiology, University of Pennsylvania	1987 - 1992
Graduate Research Assistant Psychology, Temple University	1988 - 1991
Research Assistant Professor Radiology & Psychology, University of Arizona	1992 - 1996
Research Associate Professor Radiology & Psychology, University of Arizona	1996 - 2003
Visiting Professor Psychology Applied Vision Research Unit, University of Derby UK	1997 - 2010
Research Professor Radiology & Psychology, University of Arizona	2003 - 2007
Professor of Medical Imaging (Tenured), University of Arizona	2007 - 2015
Professor of Psychology & Public Health, University of Arizona	2007 - 2015
Vice Chair Research Medical Imaging (Year-Year), University of Arizona	2009 - 2015
Professor Emeritus of Medical Imaging, University of Arizona	2015 - present
7. **Previous Administrative Appointments:**

Assistant Director Evaluation Arizona Telemedicine Program, University of Arizona	1995 - 2002
Associate Director Evaluation Arizona Telemedicine Program, University of Arizona	2002 - present
Director Southwest Telehealth Resource Center	2009 – present

8. Education:

1984	BA	Experimental Psychology	Cornell University
1987	MA	Experimental Psychology	Montclair State College
1992	PhD	Experimental Psychology	Temple University

9. Postgraduate Training:

University Pennsylvania Department of Radiology, Philadelphia, PA	1987 - 1992
Area: Medical image perception & radiology	
Supervisors: Harold Kundel, MD & Calvin Nodine, PhD	

10. Continuing Professional Development Activities:

Association of American Medical Colleges Mid-Career Women Faculty Professional Development Seminar	2005
University of Arizona College of Medicine Learning to Lead Program	2014

11. Military or Government Service:

Intergovernmental Personnel Act (IPA) Scientific Subject Matter Expert to US Army Medical Research & Materiel Command (MRMC) Telemedicine & Advanced Technology Research Center	2011 - 2014
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12. Committee Memberships:

a. National and International:

1) NCI/NIH Digital Mammography Committee	1998
2) National Health & Nutrition Examination Survey Dermatology Committee	1999
3) Office for the Advancement of Telehealth/HRSA Evaluation Advisory Committee	2001 - 2002
4) SPIE (International Society for Optics & Photonics) Awards Committee	2002 - 2019
5) Radiological Devices Panel Medical Devices Advisory Committee, Center for Devices And Radiological Health, Food & Drug Administration Panel Committee Member	2003 - 2006
6) ACR (American College of Radiology)/AAPM (American Association of Physicists in Medicine)/RSNA (Radiological Society of North America)/SCAR (Society for Computer Applications in Radiology) Joint Workgroup on Image Quality (Practice Guideline for the Performance of High Quality Digital Mammography) Image Display Committee sub-group	2005 - 2006
7) ACR/AAPM/RSNA/SCAR Joint Workgroup on Image Quality (Practice Guideline for the Performance of CR/DR) Chair image Display Committee sub-group chair	2006 - 2007
8) American Telemedicine Association Standards & Guidelines Committee	2006 - present
Chair	2012 - present
9) Radiological Devices Panel Medical Devices Advisory Committee, Center for Devices And Radiological Health, Food & Drug Administration Panel Chair	2007
10) National Institute for Occupational Safety & Health International Labour Organization Intl Classification Radiographs Pneumoconiosis Digital Chest Images Committee	2008
11) Chair SIIM (Society for Imaging Informatics in Medicine) R&D Committee	2008 - 2013
12) Radiological Devices Panel Medical Devices Advisory Committee, Center for Devices And Radiological Health, Food & Drug Administration Panel Committee Member	2009 - present
13) Radiological Society North America Physics Subcommittee Education Exhibits	2009 - 2016
14) Chair American Telemedicine Association Student Paper Award Committee	2009 - present
15) Chair American Telemedicine Association College Fellows Committee	2009 - Present
16) Chair SIIM (Society for Imaging Informatics in Medicine)	2010 - 2012
17) Radiological Society North America Radiology Informatics Committee	2010 - 2015
18) ACR (American College of Radiology)/AAPM (American Association of Physicists in	

- Medicine)/RSNA (Radiological Society of North America)/SCAR (Society for Computer Applications in Radiology) Joint Workgroup on Image Quality (Practice Guideline for the Performance of High Quality Digital Mammography) Update & revision committee 2011 - 2012
- 19) Office for the Advancement of Telehealth/HRSA Evaluation Advisory Committee 2011 - 2012
 - 20) ACR/AAPM/RSNA/SCAR Joint Workgroup on Image Quality Practice Guideline Performance Electronic Security update & revision Committee 2011-2012
 - 21) ACR/AAPM/RSNA/SCAR Joint Workgroup on Image Quality (Practice Guideline for the Performance of CR/DR) Update & revision committee 2011 - 2012
 - 22) Health Resources & Services Administration (HRSA)/Office for the Advancement of Telehealth (OAT) Telemedicine Resource Center Evaluation Advisory Committee 2011
 - 23) Medical Physics Farrington Daniels & Sylvia Greenfield Award Committee 2011
 - 24) Society for Imaging Informatics in Medicine Content & Publications Committee 2011 - present
 - 25) IEEE (Institute of Electrical & Electronics Engineers) Medal for Innovations in Healthcare Technology Committee 2011 - 2016
 - 26) Chair External Review Committee National Centre Integrated Care Telemedicine Tromso, Norway 2012
 - 27) SPIE Fellows Committee 2012 - present
 - 28) American Telemedicine Association (ATA) Four Corners Telehealth Special Interest Group Organizing Committee 2012 - 2016
 - 29) American Telemedicine Association (ATA) Four Corners Telehealth Special Interest Group Chair 2012 - 2014
 - 30) Radiology "Golden Oldies" 100th Anniversary of RSNA Committee 2013
 - 31) Chair Society for Imaging Informatics in Medicine Nominating Committee 2013
 - 32) American Telemedicine Association Awards Committee 2013 - 2014
 - 33) Center for Connected Health Policy Telehealth and the Triple Aim: A regional Regional for Advancing Knowledge & Practice Committee 2014
 - 34) Office of Rural Health Policy Evidence-Based Tele-emergency Network Grant Program (EB TNGP) Performance Measures Development Committee 2014 - 2015
 - 35) Radiological Society North America Physics Subcommittee Education Exhibits Committee Chair 2014 - 2016
 - 36) IEEE (Institute of Electrical & Electronics Engineers) Medal for Innovations in Healthcare Technology Committee Chair 2014 - 2016
 - 37) IEEE (Institute of Electrical & Electronics Engineers) Medals Council 2014 - 2016
 - 38) Radiological Society of North America Vice Chairs for Research co-Chair 2014 - 2021
 - 39) Am Assn Women Radiologists Communication & Public Relation Committee 2015 - 2020
 - 40) Radiology Research Alliance Liaison Committee Chair 2015 - 2019
 - 41) Academy of Radiology Research Distinguished Investigator Committee Co-Chair 2015 - present
 - 42) Academy of Radiology Research Board of Directors 2015 - present
 - 43) Frontier Community Health Integration Project Demonstration Advisory Panel 2015 - 2016
 - 44) CIE (International Commission on Illumination CD/TR TC 1-93 Committee on Calculation of Self-Luminous Neutral Scale 2015 - 2018
 - 45) Director Society for Imaging Informatics in Medicine College of Fellows 2015 - 2018
 - 46) American Telemedicine Association Human Factors SIG - Vice Chair 2014 - 2016
 - 47) ACR (American College of Radiology)/AAPM (American Association of Physicists in Medicine)/RSNA (Radiological Society of North America)/SCAR (Society for Computer Applications in Radiology) Joint Workgroup on Image Quality (Practice Guideline for the Performance of High Quality Digital Mammography) Revision Committee 2016
 - 48) ACR (American College of Radiology)/AAPM (American Association of Physicists in Medicine)/RSNA (Radiological Society of North America)/SCAR (Society for Computer Applications in Radiology) Joint Workgroup on Image Quality (Practice Guideline for the Performance of Digital Radiography) Revision Committee 2016
 - 49) AUR (Association of University Radiologists) RRA (Radiology Research Alliance) Vice Chairs for Research Liaison 2016 - present
 - 50) AUR (Association of University Radiologists) RRA (Radiology Research Alliance) Member-At-Large 2016 - present
 - 51) AUR (Association of University Radiologists) RRA (Radiology Research Alliance

		Task
Force	"Impact of Federal and non-federal funding sources on radiology research"	2016 – 2017
52)	American Telemedicine Association Human Factors SIG – Chair	2016 – 2018
53)	American College of Radiology Informatics Advisory Council	2016 – 2017
54)	American Telemedicine Association College of Fellows – Vice Chair	2016 – 2018
55)	American Association of Women in Radiology Membership Committee	2017 – present
56)	American Telemedicine Association Student Paper Awards Committee – Chair	2006 - present
57)	American Institute for Medical & Biomedical Engineering Nomination Committee	2017
58)	SPIE Awards Committee	2017 – 2021
59)	SPIE Awards Committee – Chair	2017 – 2019
60)	American Association for Women Radiologists Membership Committee	2017 – 2019
61)	AIMBE Fellows Election Committee	2017 – present
62)	Society for Imaging Informatics College of Fellows Executive Committee Chair	2017 – present 2021 - 2024
63)	Society for Education and the Advancement of Research in Connected Health Vice President/Secretary	2018 – present
64)	Radiological Society of North America Creating & Optimizing the Research Enterprise (CORE) – Director	2018 – present
65)	AAMC Advisory Panel on Telehealth	2018 - 2022
66)	Society for Imaging Informatics Awards Committee – Chair	2019 – 2024
67)	Radiological Society of North America Publications Ethics Committee member Vice-Chair Chair	2019 – 2021 2020 – 2021 2021 – 2024
68)	Society for Breast Imaging Newsletter Committee	2019 – 2022
69)	Academy for Radiology & Biomedical Imaging Research Nominating Committee	2019
70)	Radiological Society of North America Research Development Committee	2019 – 2020
71)	Radiological Society North America Science Council – Chair	2020 - 2026
72)	SPIE Publications Committee	2020 - 2022
73)	Society for Academic Emergency Medicine Telemedicine Research Facilitation Committee – Breakout Group co-leader	2020
74)	Association of University Radiologists Program Planning Committee	2020
75)	Georgia Institute of Technology Global Center for Medical Innovation (GCMI) Board of Directors	2020 – 2023
76)	Utilization Review Accreditation Commission Telehealth Advisory Committee	2020
77)	Society for Imaging Informatics Strategic Planning Task Force	2020
78)	SPIE Publications Committee Sub-Committee on Ethics	2020 – 2022
79)	Advisory Board Cross Industry Telehealth	2020
80)	USDA/Tufts Telehealth intervention Strategies for WIC advisory Board	2020 – 2023
81)	National Association of Community Health Centers National FQHC Telehealth TTA Partners	2021
82)	Radiological Society North America Annual Mtg Program Planning Committee	2021
83)	IEEE SA Telehealth IC Program Committee	2021
84)	AUR (Association of University Radiologists) Development Committee	2021 – 2022
85)	SPIE Board of Directors	2021 – 2022
86)	AAMC Medical Education Working Group	2022
87)	AUR (Association of University Radiologists) RRA (Radiology Research Alliance) Secretary/Treasurer Vice President President	2020 – 2021 2021 – 2022 2022 – 2023
88)	SIIM Search Committee Chair for Editor Journal of Medical Imaging	2022
89)	Joint Commission Intl Dept Standards Development & Interpretation SME	2022
90)	Association of University Radiologists Board of Directors	2021 – 2023
91)	AUR (Association of University Radiologists) Archives ad hoc Committee	2023 – 2024
92)	US National Standards Healthcare Standards Institute Telehealth Management HSI 1003 Committee	2023-2024

b. Regional:

- 1) Four Corners Telehealth Consortium (FCTC) Organizing Committee 2008 - 2020
- 2) Four Corners Telehealth Consortium (FCTC) Organizing Committee Chair 2012 – 2014
- 3) Arizona Health Care Cost Containment System Telehealth Advisory Committee 2022

c. Institutional:

- 1) University AZ Composition Board Undergraduate Writing Proficiency Committee 1994 - 2003
- 2) University Arizona Committee on Graduate Study Representative 1995 - 2004
- 3) University Arizona Vision Group Planning Committee 1998 - 1999
- 4) Association of Women Faculty subcommittee for Academic Professionals 1998 - 2000
- 5) University Arizona College Medicine Admission Committee Sub-committee Chair 2000 - 2002
- 6) University Arizona College Medicine Admission Committee Chair 2003 - 2004
- 7) LCME (Liaison Committee on Medical Education) Accreditation Medical Students Committee University AZ: Admissions Group Chair 2005
- 8) Dean's Research Council University of Arizona College of Medicine 2009 - 2014
- 9) Promotion & Tenure Committee Dept Radiology University Arizona 2009 - 2015
- 10) University Arizona IRB (institutional review board) Core User Committee 2009 - 2012
- 11) Department of Radiology Resident Interview & Selection Committee 2011 - 2012
- 12) University Arizona College of Medicine MD-PhD Interview & Selection committee 2011 - 2015
- 13) University Arizona Institutional Review Committee (IRC) 2011 - 2015
- 14) University AZ Resources Education Program Committee (LCME reaccreditation) 2012 - 2013
- 15) LCME Accreditation Self-Study Educational Resources sub-Committee Univ AZ 2012 - 2013
- 16) University Arizona College of Medicine Space Committee 2013 - 2015
- 17) University Arizona Search Committee Chair Biomedical Engineering 2013
- 18) University AZ Search Committee Assist Director Biomed/Life Sciences Licensing 2013
- 19) University Arizona College of Medicine Space Committee 2013 - 2015
- 20) Promotion & Tenure Committee Dept Radiology University Arizona Chair 2013 - 2015
- 21) University Arizona Institutional Review Committee (IRC) Co-Chair 2013 - 2015
- 22) University Arizona Search Committee Conflict Of Interest Officer 2014
- 23) University Arizona Cluster Hiring Review Committee: Imaging co-chair 2014
- 24) University Arizona Executive Review Committee (ERC) 2014 - 2015
- 25) Department of Radiology Nuclear Medicine Clinical Competency Committee University of Arizona 2014 - 2015
- 26) University Arizona Search Committee Conflict of Interest Senior Coordinator 2015
- 27) University Arizona Search Committee Senior Director Human & Clinical Research Compliance Services 2015
- 28) Emory University Department of Radiology Resident Research Track Committee co-Director 2015 – present
2017 – present
- 29) Emory University Faculty Council RAS Review Task Force Workgroup 2016 - 2019
- 30) Emory University Department of Radiology Integrative Imaging Research Program Planning Committee 2016 – present
- 31) Emory University Clinical Trials Operations and Oversight Committee 2016 – present
- 32) Emory University Department of Radiology Diversity & Inclusion Committee 2016 – 2018
- 33) Emory University Department of Radiology Promotions & Tenure Committee 2016 – 2019
- 34) Emory University Department of Radiology Medical Physics Residency Advisory Committee 2016 – present
- 35) Emory University Virtual Patient Care Working Group & Advisory Committee 2016 – present
- 36) Emory Research Advocacy Network (ERAN) 2017 – present
- 37) Emory University Research ACTSI and Biological & Health Sciences Grant Review Committee 2017 – present
- 38) Georgia Center for Medical Robotics Steering Committee 2017 – present
- 39) Emory University Department of Radiology Space committee 2017 – present

40) Tri-Institutional Brain Health Translational Research Center Committee	2017 – present
41) Emory University Department of Radiology Faculty Development Committee	2018 – 2021
42) Emory Conflict of Interest Committee	2018 – 2020
Committee Co-Chair	2020 - 2023
43) Emory University Faculty Committee on Appointments & Promotions	2018 – 2021
Committee Co-Chair	2019 – 2021
44) Emory University School of Medicine PhD Compensation Committee	2018 – 2019
45) Emory University Medical Student Research Committee member	2019 – 2021
46) Emory University RAS Path Forward Advisory Committee	2019 – 2020
47) Emory University Department Radiology Radiochemistry Director search co-chair	2019 – 2020
48) Emory University Department of Radiology Wellness Committee	2019 – 2021
49) Emory University Research Administration Service Division Director search	2019
50) Emory University School of Medicine Space Master Plan Research Committee	2020
51) Emory University School of Medicine Clinical Investigator Advisory Committee	2020
52) Emory University Research Data, Compliance & Privacy Operational WG	2021
53) Emory University School of Medicine Bridge Funding Program Committee	2021 - 2022
54) Emory University Department of Radiology Task Force – Post COVID Innovation Planning for Emory Radiology	Co-Chair 2021
55) Emory University Epic transition team research	2021 - 2022
56) Emory University Epic transition team telemedicine	2021 – 2022
57) Emory University search comm Asst Dean Novel Technology & Research Cores	2022
58) Emory University Department Radiology search comm Breast Division Director	2023
59) Emory University Dept Radiology search comm Vice Chair for Quality & Safety	2023

13. Peer Review Activities:

a. Grants:

i. National and International:

1) US Army MRMC Breast Cancer Program	1995 - 2013
2) NIH Special (non-charter/ad hoc) Study Sections	1997 – present
a. SBIR	
b. Academic-Industrial Partnership (standing but not chartered)	
c. Loan Repayment (standing but not chartered)	
d. R13 Conference Grants (standing but not chartered)	
e. Various R01/R21/P panels medical imaging, psychology	
3) US Army MRMC Ovarian Cancer Program	2000
4) NIH Diagnostic Imaging Section DMG/BMIT/BMIT-B Charter member	2000 - 2005
5) US Army MRMC Breast Cancer Program	Chair 2002 – 2010
6) Society for Imaging Informatics in Medicine Grant Review Program	2002 - 2011
7) US Army MRMC Prostate Cancer Program	2002
8) CRDF (US Civilian Research & Development Foundation) Grant Review	2003
9) EPSRC (Engineering & Physical Sciences Research Council (England)	2005
10) NIH Diagnostic Imaging Section DMG/BMIT/BMIT-B Charter member & Chair	2007 - 2010
11) Susan G. Komen Foundation Grant Review Program	2008
12) US Army MRMC Prostate Cancer Program	2009 - 2011
13) US Army MRMC Ovarian Cancer Program	Chair 2010
14) US Army MRMC Alliance for NanoHealth	2010 - 2011
15) US Army MRMC Ovarian Cancer Program	2011 - 2012
16) US Army MRMC SBIR Burn Imaging Program	2011
17) US Army MRMC STTR MRI DTI Phantom Development Program	2011
18) Advancing Science, Serving Society King Abdulaziz City for Science & Tech	2012
19) HRSA Rural Health HIT Workforce Program	2013
20) US Army MRMC Prostate Cancer Program	2013
21) Patient-Centered Outcomes Research Institute (PCORI)	2013 - 2014

22) Medical Research Council United Kingdom	2014
23) US Army MRMC Pre-Illness Related to Radiation Exposure Program	2014
24) NIH Diagnostic Imaging Section DMG/BMIT/BMIT-B Charter member & Chair	2014 - 2017
25) Pennsylvania Department of Health	2015
26) US Army MRMC Colorectal Cancer Program	2015
27) Radiological Society of North America R&E Foundation Grant Review	2016 – 2022
28) Nationaal Regieorgaan Onderwijsonderzoek	2016
29) American University of Beirut Grant Review	2017
30) Netherlands Organisation for Scientific Review Grant Reviews	2018
31) Israeli Ministry of Science & Technology Grant Review	2019
32) Georgia Clinical & Translational Science Alliance Grant Review	2019
33) AAMC TEC grant review committee	2022
34) National Science Foundation	2023

ii. Institutional:

1) University of Arizona Cancer Center ACS-IRG Grant Review Committee	2013 - 2015
2) University of Arizona Dept Medical Imaging Seed Grant Review Committee Chair	2013 – 2015
3) Emory University Department of Radiology Chair Grant Submission Committee	2015 – present
4) Emory University 3 rd Annual Advancing Healthcare Quality Research Day – poster judge	2016
5) Emory University Research Committee (URC-ACTSI) Grant Review	2017
6) Emory University Medical Student Research Day poster judge	2017 – present
7) Emory Glenn Family Breast Cancer Shark Tank Competition Judge	2018
8) Emory SOM WOW! I3 grant review	2018 - 2019
9) Emory University Emory Conference Center Subvention Fund Reviewer	2018 - 2019
10) Emory University Master of Science in Clinical Research final paper review	2019
11) Macquarie University Research Fellowship Program	2019
12) Emory University Health Services Research Day poster & paper judge	2021 - present
13) Emory University Bridge Funding Grant review	2021 - present

b. Manuscripts: (* = minimum 2 reviews/year consistently)

1) Academic Psychiatry	2013 - present
2) Academic Radiology*	1992 – present
3) Advances in Health Sciences Education	2017 - present
4) Advances in Medical Education & Practice	2016 - present
5) African Journal Business Management	2015 - present
6) American Journal of Medicine	2011 - present
7) American Journal Roentgenology*	2000 - present
8) Anatomical Sciences Education	2013 – present
9) Annals of Internal Medicine	2015 – present
10) Asian Journal of Medicine & Health	2016 – present
11) Australian Health Review	2020 – present
12) Australasian Physical & Engineering Sciences in Medicine	2017 - present
13) Behavior Research Methods, Instrumentation & Computers	2009 - present
14) Breast Cancer Research	2014 – present
15) BMC Health Services Research	2018 – present
16) BMJ Open	2019 - present
17) British Journal of Medicine & Medical Research	2017 - present
18) British Journal of Radiology*	2008 – present
19) Cancer Investigation	2020 - present
20) Cognitive Research: Principles & Implications*	2016 – present
21) Color Research and Application	2017 - present
22) Convergent Science & Physical Oncology	2017 - present
23) Current Medical Imaging Reviews	2017 - present

24) Diagnostic Pathology*	2016 - present
25) Digital Health Journal	2017 - present
26) Displays	2011 - present
27) Dove Medical Press	2015 – present
28) EURASIP Journal on Image & Video Processing	2018 - present
29) European Journal of Medical Physics	2017 - present
30) Expert Review of Endocrinology & Metabolism	2015 – present
31) Expert Review of Medical Devices	2016 – present
32) Expert Systems	2019 - present
33) Frontiers in Psychology	2017 - present
34) Global Journal Health Science	2015 – present
35) Health Policy & Technology	2013 – present
36) Health Systems	2017 - present
37) Human Pathology*	2012 - present
38) IEEE Transactions on Medical Imaging*	2004 - present
39) IEEE Transactions on Systems, Man and Cybernetics	2011 – present
40) IET Image Processing	2017 - present
41) Image and Vision Computing	2006 – present
42) Innovation & Impact	2016 – present
43) Interactive Journal of Medical Research	2013 - present
44) International Journal of Environmental Research & Public Health	2017 – present
45) International Journal of Medical Informatics*	2020 - present
46) International Journal Telemedicine & Application	2008 - present
47) International Journal of Radiology & Radiation Therapy	2017 - present
48) International Journal of Reliable & Quality eHealth	2016 – present
49) Journal American College of Radiology*	2018 - present
50) Journal of the American Medical Informatics Association	2012 – present
51) Journal of Biomedical Informatics	2016 - present
52) Journal of Digital Imaging*	2002 - present
53) Journal of Experimental Psychology: Human Perception & Performance	2000 – present
54) Journal of Hand and Microsurgery	2016 – present
55) Journal of Healthcare Leadership	2016 - present
56) Journal of Medical & Biological Engineering	2016 - present
57) Journal of Medical Imaging*	2014 – present
58) Journal of Medical Imaging & Radiation Oncology	2018 - present
59) Journal of Medical Internet Research*	2015 - present
60) Journal of the Optical Society of America	2012 - present
61) Journal of Pathology Informatics*	2012 – present
62) Journal of Radiology & Radiation Therapy	2017 - present
63) Journal of Selected Topics in Signal Processing	2016 – present
64) Journal of Surgical Oncology	2017 - present
65) Journal of Technology in Behavioral Sciences*	2016 - present
66) Journal of Telemedicine & Telecare*	1997 - present
67) Medical Physics*	1999 - present
68) Melanoma Management	2015 – present
69) Nature Reviews Neurology	2017 - present
70) New England Journal of Medicine	2009 - present
71) Physica Medica	2014 - present
72) PLoS ONE; Radiography	2014 – present
73) Postgraduate Medicine	2016 – present
74) Preventive Medicine	2019 - present
75) Psychological Science	2008 – present
76) Psychology of Aesthetics, Creativity & the Arts	2016 - present
77) Radiographics*	2012 - present
78) Radiography*	2012 - present
79) Radiology*	1997 – present

80) Radiology – Artificial Intelligence*	2018 – present
81) Radiology – Imaging Cancer	2020 - present
82) Radiology.com JRAD	2014 – present
83) Revista de Saude Publica	2020 - present
84) Scandinavian Journal Primary Health Care	2013 – present
85) Social Science & Medicine	2019 - present
86) Telemedicine Journal & e-Health*	1997 – present
87) Telemedicine Reports	2020 - present
88) Transactions in Applied Perception	2014 - present
89) The Lancet	2013 – present
90) The Lancet Digital Health	2020 - present
91) Veterinary Radiology & Ultrasound	2011 – present
92) Visual Cognition	2018 - present
93) World Medical & Health Policy	2017 – present

c. Conference Abstracts:

i. National and International:

1) SPIE Medical Imaging 1994: Image Perception, Newport Beach, CA	1994	
2) SPIE Medical Imaging 1995: Image Perception, San Diego, CA	1995	
3) Sixth Far West Image Perception Conference, Philadelphia, PA	1995	
4) SPIE Medical Imaging 1996: Image Perception, Newport Beach, CA	1996	
5) SPIE Medical Imaging 1997: Image Perception, Newport Beach, CA	1997	
6) Seventh Far West Image Perception Conference, Tucson, AZ	1997	
7) SPIE Medical Imaging 1998: Image Perception, San Diego, CA	1997	
8) Eighth Far West Image Perception Conference, Alberta, Canada	1999	
9) SPIE Medical Imaging 1999: Image Perception, San Diego, CA	1999	
10) SPIE Medical Imaging 2000: Image Perception Conference, San Diego, CA	2000	
11) World Congress of High-Tech Medicine, Hanover, Germany	2000	
12) SPIE Medical Imaging 2001: Image Perception. San Diego, CA	2001	
13) Medical Image Perception Society Conference IX, Warrenton, VA		2001
14) SPIE Medical Imaging 2002: Image Perception, San Diego, CA	2002	
15) American Telemedicine Association Annual Meeting, Los Angeles, CA	2002	
16) SPIE Medical Imaging 2003: Image Perception, San Diego, CA	2003	
17) American Telemedicine Association Annual Meeting, Orlando, FL		2003
18) Medical Image Perception Society Conference X, Durham, NC	2003	
19) American Telemedicine Association Annual Meeting, Tampa, FL	2004	
20) 7 th International Workshop on Digital Mammography, Durham, NC		2004
21) SPIE Medical Imaging 2005: Image Perception, San Diego, CA	2005	
22) Medical Image Perception Society (MPIS) Conference XI, Lake Windermere, UK	2005	
23) IASTED (International Association of Science & Technology for Development) International Conference on Telehealth, Banff, Canada	2005	
24) SPIE Medical Imaging 2006: Image Perception, Diego, CA	2006	
25) 8 th International Workshop on Digital Mammography, Manchester, England	2006	
26) IASTED International Conference on Telehealth, Banff, Canada	2006	
27) IASTED International Conference on Telehealth, Montreal, Canada		2007
28) Medical Image Perception Society Conference XII, Iowa City, IA	2007	
29) 7 th Annual Successes & Failures in Telehealth, Brisbane, Australia	2007	
30) Medical Image Computing & Computer Assisted Intervention, Brisbane, Australia	2007	
31) IASTED International Conference on Telehealth, Baltimore, MD	2008	
32) 9 th International Workshop on Digital Mammography, Tucson, AZ	2008	
33) Advances in eHealth and Telemedicine International, Warsaw, Poland	2008	
34) Medical Image Perception Society Conference XIII, Santa Barbara, CA	2009	
35) 10 th International Workshop on Digital Mammography, Girona, Spain	2010	
36) IADIS (International Association for Development of the Information Society)		

	Computer Science & Information Systems, Freiburg, Germany	2010	
37)	AAPM Annual Meeting, Philadelphia, PA	2010	
38)	IASTED Imaging, Signal Processing Healthcare & Technology, Washington, DC	2011	
39)	AAPM Annual Meeting 2011, Vancouver, Canada		2011
40)	Medical Image Perception Society XIV, Dublin, Ireland	2011	
41)	3 rd International Conf Information Tech Biomedicine, Kamien Slaski, Poland	2012	
42)	SPIE Medical Imaging 2012: Image Perception, San Diego, CA	2012	
43)	11 th International Workshop on Digital Mammography, Philadelphia, PA	2012	
44)	AAPM Annual Meeting 2012, Charlotte, NC	2012	
45)	IASTED Health Informatics Africa HI, Gaborone, Botswana	2012	
46)	SPIE Medical Imaging 2013: Image Perception, Orlando, FL	2013	
47)	SPIE Medical Imaging 2013: Digital Pathology, Orlando, FL	2013	
48)	Medical Image Perception Society XV, Washington, DC	2013	
49)	4 th International Conf Information Tech Biomedicine, Kamien Slaski, Poland	2014	
50)	12 th International Workshop on Digital Mammography, Gifu City, Japan	2014	
51)	Society for Imaging Informatics in Medicine 2014, Long Beach, CA		2014
52)	2 nd International Workshop Collaboration Technologies & Systems in Healthcare Biomedical Fields, Minneapolis, MN	2014	
53)	SPIE Medical Imaging 2014: Image Perception, San Diego, CA	2014	
54)	SPIE Medical Imaging 2014: Digital Pathology, San Diego, CA	2014	
55)	IASTED Health Informatics Africa HI 2014, Gaborone, Botswana	2014	
56)	eHealth 2014, Lisbon, Portugal	2014	
57)	SPIE Medical Imaging 2015: Image Perception, Orlando, FL	2015	
58)	SPIE Medical Imaging 2015: Digital Pathology, Orlando, FL	2015	
59)	Medical Image Perception Society XVI, Ghent Belgium	2015	
60)	13 th International Workshop on Breast Imaging, Malmo, Sweden	2016	
61)	Global Telehealth 2016, Auckland, New Zealand	2016	
62)	International Workshop Machine Learning in Medical Imaging, Athens, Greece	2016	
63)	SPIE Medical Imaging 2016: Image Perception, San Diego, CA	2016	
64)	SPIE Medical Imaging 2016: Digital Pathology, San Diego, CA	2016	
65)	4 th International Workshop on Collaboration Technologies & Systems in Healthcare & Biomedical Fields, Orlando, FL	2016	
66)	SPIE Medical Imaging 2017: Image Perception, Orlando, FL	2017	
67)	SPIE Medical Imaging 2017: Digital Pathology, Orlando, FL	2017	
68)	Medical Image Perception Society XVII, Houston, TX	2017	
69)	International Conference Information Processing in Medical Imaging, Boone, NC	2017	
93)	9 th International Conference e-Health Lisbon, Portugal	2017	
94)	American Association of Physicists in Medicine, Denver, CO	2017	
95)	8 th International Workshop on Machine Learning in Medical Imaging, Quebec	2017	
96)	SPIE Medical Imaging 2018: Image Perception, Houston, TX	2018	
97)	SPIE Medical Imaging 2018: Digital Pathology, Houston, TX	2018	
98)	14 th International Workshop Breast Imaging, Atlanta, GA	2018	
99)	International Conf Information Tech Biomedicine, Kamien Slaski, Poland	2018	
100)	Multiconference on Computer Science & Information Systems, Madrid, Spain	2018	
101)	21 st Intl Conf Medical Image Computing & Computer Assisted Intervention (MICCAI), Granada, Spain	2018	
102)	Society for Education and the Advancement of Research in Connected Health 2018 Meeting San Diego, CA	2018	
103)	SPIE Medical Imaging 2019: Image Perception, San Diego, CA	2019	
104)	SPIE Medical Imaging 2019: Digital Pathology, San Diego, CA	2019	
105)	Medical Image Perception Society XVIII, Salt Lake City, UT	2019	
106)	Society for Education and Research in Connected Health, Chicago, IL	2019	
107)	SPIE Medical Imaging 2020: Image Perception, Virtual	2020	
108)	SPIE Medical Imaging 2020: Digital Pathology, Virtual	2020	
109)	Society for Imaging Informatics in Medicine 2020, Virtual	2020	

110)	American Telemedicine Association 2020, Virtual	2020
111)	International Workshop on Breast Imaging 2020, Virtual	2020
112)	Multi Conference on Computer Science & Information Systems, Virtual	2020
113)	AAPM Annual Meeting 2020, Virtual	2020
114)	SPIE Medical Imaging 2021: Image Perception, Virtual	2021
115)	SPIE Medical Imaging 2021: Digital Pathology, Virtual	2021
116)	SPIE Medical Imaging 2021: Image Perception	2022
117)	SPIE Medical Imaging 2021: Digital Pathology	2022
118)	International Workshop on Breast Imaging (Leuven, Belgium)	2022
119)	Medical Image Perception Society XIX (York, England)	2022
120)	Society for Education and Research in Connected Health, Virtual	2022
121)	Radiological Society of North America Annual Mtg Cutting-Edge Abstracts	2022

ii. Regional:

1)	Arizona Corrections Telemedicine Conference, Phoenix, AZ	1999
2)	Arizona Corrections Telemedicine Conference, Tucson, AZ	2000
3)	Arizona Corrections Telemedicine Conference, Tucson, AZ	2001
4)	Arizona Corrections Telemedicine Conference, Phoenix, AZ	2002
5)	National Telemedicine Resource Center Fall Meeting, Tucson, AZ	2013
6)	Telemedicine Telehealth Service Providers Showcase, Phoenix, AZ	2014
7)	Telemedicine Telehealth Service Providers Showcase, Phoenix, AZ	2016
8)	Telemedicine Telehealth Service Providers Showcase, Phoenix, AZ	2017
9)	Telemedicine Telehealth Service Providers Showcase, Glendale, AZ	2018

14. Consultantships:

1)	Scientific Advisory Board LumenIQ/Clario	2004 - 2012
2)	Ventana Medical Systems	2015
3)	Vizient, Inc.	2018 - 2019
4)	Microvascular Therapeutics	2020 - 2021
5)	Centerstone Research Institute	2022
6)	Circle Neurovascular Imaging	2022
7)	Carestream	2022

15. Editorships and Editorial Boards:

1)	Editorial Consultant for Academic Radiology	1997 - 2019
2)	Associate Editor for Medical Physics	1999 - 2022
3)	Associate Editor for Radiology (Computer Applications)	1999 - 2022
4)	Editorial Consultant for Radiology	2000 - 2019
5)	Associate Editor for Telemedicine Journal & e-Health	2001 - present
6)	Editorial Board Journal of Digital Imaging	2002 - present
7)	Associate Editor for IEEE Transactions on Medical Imaging	2004 - 2022
8)	Associate Editor for Journal of Digital Imaging	2004 - 2022
9)	Co-Editor Journal of Telemedicine & Telecare	2005 - 2021
10)	Editorial Board Radiography	2006 - present
11)	Editorial Board International Journal of Telemedicine and Application	2007 - 2013
12)	Editorial Board British Journal of Radiology	2012 - 2022
13)	Editorial Board Health Systems	2012 - 2015
14)	Editorial Review Board Case Reports in Clinical Pathology	2013 - present
15)	Editorial Board Healthcare	2014 - 2018
16)	Editorial Board Pathology Section of AIMS Medical Science	2014 - 2017
17)	Editorial Board Journal of Healthcare Engineering	2015 - 2019

18) Editorial Board Journal of Medical Imaging	2015 – 2022
19) Special Issue Editor Journal of Medical Imaging – Image Perception	2018
20) Special Issue Editor Journal of Medical Imaging – Advances Breast Imaging	2018
21) Special Issue Editor Journal of Medical Imaging – Artificial Intelligence	2018
22) Special Issue Editor Radiography – Diversity	2018
23) Special issue Editor Journal Technology in Behavioral Sciences – mHealth, Apps & Smartphones	2018 – 2021
24) Special Issue Editor Journal of Medical Imaging – 2D vs 3D perception	2019 – 2020
25) Editorial Council Journal Acta Medica Academia	2019 – 2022
26) Special Issue Editor Journal of Medical Imaging – Image Perception	2019 – 2020
27) Assistant Editor American Journal Roentgenology	2020 – 2021
28) Editorial Board Journal American College of Radiology	2020 – present
29) Editor-in-Chief (Inaugural) Telemedicine Reports	2020 – present
30) Editorial Executive Committee Academic Radiology	2020 – 2022
31) Assistant Editor Journal American College of Radiology	2021 – present
32) Associate Editor Journal Technology in Behavioral Sciences	2022 – present
33) Associate Editor Radiology: Artificial Intelligence	2022
34) Editor-in-chief Journal of Digital Imaging	2022 – present

16. Contributions to Diversity, Equity, and Inclusion

DEI has long been a passion of mine. My career has spanned two very male-dominated fields – radiology and physics/engineering. I remember the first time I went to the SPIE Medical Imaging meeting in 1988 and literally being the only woman in many of the sessions. This played out for many years there and at other meetings such as AAPM and RSNA. It was frustrating and sad to see such disparities in women and underrepresented minorities at these important meetings. When I joined the faculty at the University of Arizona in 1994, I was the first female research faculty member in the department – and very soon realized that I was also the lowest paid. It took years of hard work to get even close to what my male colleagues (many of whom joined after I did) were earning.

As a lab leader and instructor, I have made it my mission to attract women and URM into my field and expose them to the possibilities open to them in medical research. Throughout the years I have had many women and URM in my labs working on projects and going on to careers of their own in research or clinical practice. I believe that one of the best ways to promote and foster DEI is to act and serve as an example. I am aware of challenges, in particular unconscious biases. Unconscious biases can easily lead to differences in hiring, developing, and retaining a team member from an underrepresented group. Even subtle biases can create a significant barrier to cultivating a diverse and inclusive community. In recruiting a lab member, I review my job description to eliminate biased language. I empower lab members to notice and call out unconscious biases and provide a safe environment within which they hopefully feel comfortable enough to bring any concerns to me. During interviews, I outline attributes relevant to the role and tasks to avoid making decisions influenced by attributes not relevant to the role. During annual reviews, I address explicit job level expectations for assessing performance to minimize bias. In addition, I build relationships with people from underrepresented backgrounds both within and outside of our campus. This helps me minimize bias in decision-making. I encourage my lab members and students to involve the diversity efforts as well. I often survey my lab members and students monthly by asking for their perceptions of fairness or inclusiveness. This gives a guideline on where to improve.

At the national level, when I was Chair of the SPIE Medical Imaging Conference (2007), I established a Women’s lunch so that young, female trainees could interact with more established female researchers in a dedicated, yet casual, setting. This lunch has continued and grown considerably since then. With SPIE I have also been involved with the student social that is held at every meeting, trying specifically to interact and encourage women and URM to stay in the field and find mentors that can help them achieve their goals. As current Chair of the RSNA Science Council, I have made it a key part of our strategic plan to develop ways to attract more women and URM to the meeting and more importantly to help them develop research portfolios so they can in the future present their research at the annual meeting. When I was President of the American Telemedicine Association, I created the student award that recognized excellence in research presentations and took into account in the scoring system whether the trainees

were women, URM's or international. As President of the Medical Image Perception Society, I have submitted (and been awarded) R13 conference grants to support trainees at our meeting with particular emphasis on supporting women and URM's. As incoming President of the Society for Education and the Advancement of Research in Connected Health, I will create similar initiatives.

At Emory I helped start our department's DEI Committee and co-chaired it for the first two years. Currently I lead the data/research task force within the committee developing ways to translate our efforts into publications that can hopefully help our departments and institutions with their DEI efforts. DEI must also go beyond our faculty/staff/trainee composition and include attention to health equity considerations in our research, technology development, validation, and dissemination.

17. Honors and Awards:

- 1) Most Outstanding Psychology Graduate Student - Montclair State College 1988
- 2) Most Outstanding Graduate Student in Arts & Sciences - Montclair State College 1988
- 3) Far West Image Perception Conference Fellowship 1989
- 4) Dean's Fellowship Temple University 1991 - 1992
- 5) Executive Council Award of the American Roentgen Ray Society (co-author) 1996
- 6) Radiological Society of North America Scientific Exhibit Certificate of Merit Award 1996
- 7) RSNA Resident Research Award (co-author) 1997
- 8) Academic Radiology/Association University Radiologists Herbert Stauffer Award 1997
- 9) RSNA Resident Research Award (co-author) 1998
- 10) RSNA Scientific Exhibit Certificate of Merit Award 1998
- 11) *Radiology* Editor's Recognition Award for reviewing with distinction 1998
- 12) *Radiology* Editor's Recognition Award for reviewing with distinction 1999
- 13) SPIE Medical Imaging Perception & Observer Performance Conf Honorable Mention Poster Award 1999
- 14) SPIE Medical Imaging Perception & Observer Performance Conf Honorable Mention Poster Award 2003
- 15) Successes & Failures Telehealth 4th International Conference Best Paper Award 2004
- 16) SPIE Medical Imaging Perception & Observer Performance Conf Honorable Mention Poster Award 2005
- 17) American Association for Women Radiologists Research & Education Foundation Professional Leadership Award to attend the Association of American Medical Colleges Mid-Career Women Faculty Professional Development Seminar 2005
- 18) SPIE Medical Imaging Physics Conference Cum Laude Poster Award 2007
- 19) Journal of Digital Imaging Most Valuable Reviewer Award 2007
- 20) Elected Fellow of the Society of Photo-Optical Instrumentation Engineers (SPIE) 2008
- 21) Elected Fellow of the Society of Imaging Informatics in Medicine (SIIM) 2008
- 22) Elected Fellow of the American Telemedicine Association (ATA) 2009
- 23) Distinguished Contributed Paper of the Society for Information Display 2011
- 24) University of Arizona Department of Radiology Paul Capp Award In Recognition and Appreciation for Dedication and Commitment to the Department of Radiology 2011
- 25) Medical Physics Outstanding Reviewer Certificate of Appreciation 2012
- 26) American Association Physicists in Medicine Recognition & Appreciation for Distinguished Service As Associate Editor Medical Physics 2000 – 2013 2013
- 27) British Institute of Radiology Certificate for being a Top Associate Editor of the British Journal of Radiology in Handling 10 Papers 2013
- 28) British Institute of Radiology Certificate for being a Top Referee of the British Journal of Radiology Completing 15 Timely Reviews 2013
- 29) Journal of Medical Imaging Reviewer Certificate of Appreciation 2013
- 30) Journal of Electronic Imaging Reviewer Certificate of Appreciation 2013
- 31) Academy of Radiology Research Distinguished Investigator Award 2014
- 32) RadioGraphics Editor's Recognition Award for Reviewing with Special Distinction 2014
- 33) Telemedicine & eHealth Journal Best Paper Award (co-author) 2014
- 34) Journal of Medical Imaging Reviewer Certificate of Appreciation 2015

35) University of Arizona College of Medicine Faculty Fellows Mentoring Program Certificate of Appreciation	2015	
36) American Telemedicine Association 2016 Program ePoster Award 2 nd Place	2016	
37) Journal of Digital Imaging 2015 Award for most down loaded paper (co-author)	2016	
38) Journal of Digital Imaging 2015 Best Paper Award (co-author)	2016	
39) Emory University Department of Radiology & Imaging Sciences "Outstanding Mentor" faculty award	2016	
40) Certificate of Appreciation 2016 International Conference on Collaboration Technologies & Systems	2016	
41) Academic Radiology Certificate of Excellence in Reviewing	2016	
42) British Journal of Radiology Certificate of Excellence in Reviewing		2016
43) British Journal of Radiology Certificate of Excellence as Associate Editor	2016	
44) Journal of Medical Imaging Reviewer Certificate of Appreciation	2016	
45) Telemedicine & eHealth Journal Best Paper Award (co-author)	2017	
46) Elected Fellow American Institute for Medical and Biological Engineering	2017	
47) American Telemedicine Association's President's Award Individual Leadership	2017	
48) American Telemedicine Association Award of Appreciation for Service To the Development & Advancement of Telemedicine Worldwide	2017	
49) Georgia Radiological Society Best Poster Award (co-author)	2017	
50) Radiological Society of North America Honored Educator Award	2017	
51) Elected Senior Member Society Photo-Optical Instrumentation Engineers (SPIE)	2017	
52) Emory School of Medicine Researcher Appreciation Day Honoree		2017
53) American Society Emergency Radiology Summa Cum Laude award (co-author)	2017	
54) British Journal of Radiology Certificate of Excellence in Reviewing		2017
55) British Journal of Radiology Certificate of Excellence Associate Editor	2017	
56) AJR Silver Distinguished Reviewer Achievement Award	2018	
57) ACR 2018 Gold Merit Abstract Award (co-author)		2018
58) Telemedicine & eHealth Journal Best Reviewer 2018	2018	
59) SPIE Medical Imaging Image Perception, Observer Performance & Technology Assessment Cum Laude poster award (co-author)		2019
60) Society for Imaging Informatics in Medicine Annual Meeting 2 nd Place Poster Award (co-author)	2019	
61) Radiological Society of North America Honored Educator Award	2019	
62) Radiological Society of North America Outstanding Researcher Award	2019	
63) Emory University School of Medicine Researcher Appreciation Day Recognition	2019	
64) Radiology Editor's Recognition award for Reviewing With Distinction	2019	
65) Radiological Society of North America Honored Educator Award	2020	
66) American College Veterinary Radiology Annual Meeting Best Abstract General Category	2020	
67) Aunt Minnie's Most Influential Radiology Researcher Award	2020	
68) <i>Radiology: Artificial Intelligence</i> Editor's Recognition Award for Reviewing with Special Distinction	2020	
69) <i>IEEE Transactions on Medical Imaging</i> Distinguished Reviewer Gold Level	2020	
70) <i>Medical Physics Journal</i> Distinguished Reviewer	2021	
71) <i>Journal Digital Imaging</i> Most Valuable Reviewer	2021	
72) <i>Journal of the American College of Radiology</i> Exceptional Reviewer	2021	
73) <i>Medical Physics</i> Distinguished Associate Editor Award	2021	
74) <i>Radiology: Artificial Intelligence</i> Editor's recognition Award Special Distinction	2021	
75) Radiological Society of North America Honored Educator Award	2022	
76) IEEE TMI Distinguished Reviewer Gold Level	2020-2022	
77) Aunt Minnie's Scientific Paper of the Year (co-author) "Mandating Limits on Workload, Duty, and Speed in Radiology"	2022	
78) <i>Radiology</i> Editor's Recognition Award for reviewing with Special Distinction	2022	
79) SPIE Harrison H. Barrett Award	2023	
80) US Distance Learning Association "Trendsetter in Distance Learning" award to Arizona Telemedicine Program & Southwest Telehealth Resource Center team	2023	

81) Radiological Society of North America Lifetime Honored Educator Award 2023

18. Society Memberships:

- 1) American Psychological Society 1990 - 2013
- 2) Applied Vision Association 1991 - 2015
- 3) Western Psychological Association 1992 - 2000
- 4) American Telemedicine Association 1995 - present
- Board Directors 2003 - 2010
- Vice President 2006 - 2007
- President-Elect 2007 - 2008
- President 2008 - 2009
- Immediate-Past-President 2009 - 2010
- Vice Chair College of Fellows 2016 - 2018
- 5) Society for Imaging Informatics Medicine 1995 - present
- Board Directors 2005 - 2013
- Chair 2010 - 2012
- 6) American Association of Physicists in Medicine 1997 - present
- 7) Medical Image Perception Society 1997 - present
- President 1997 - present
- 8) Radiological Society of North America 1997 - present
- 9) Sigma Xi The Scientific Research Society 1988 - 2010
- 10) Association of University Radiologists 1997 - 2010
- 11) Association for Women Faculty 2015 - present
- 12) American Association for Women Radiologists 1998 - present
- 13) IEEE (Institute of Electrical and Electronics Engineers) 1998 - present
- 14) SPIE - The International Society for Optical Engineering 2014 - present
- a. Chair 1993 - present
- 2007 - 2008
- 15) VIPER Institute (Venom Immunochemistry, Pharmacology, Emergency Medicine) 2008 - 2015
- 16) Academy of Radiology Research (Board of Directors) 2008 - present
- 17) Association of University Radiologists Radiology Research Alliance 2015 - present
- a. Treasurer 2019 - 2020
- b. Secretary 2020 - 2021
- c. President-Elect 2021 - 2022
- d. President 2022 - 2023
- 18) Women in Technology 2015 - present
- 19) Society for Education and the Advancement of Research in Connected Health 2018 - present
- Vice President/Secretary 2018 - 2021
- President 2021 - present

19. Organization of Conferences:

a. National and International:

i. Administrative Positions:

- 1) Program Committee, SPIE Medical Imaging: Image Perception 1994 - present
- 2) Organizing & Program Committee, Medical Image Perception Society 1995 - present
- 3) Program Committee, SPIE Medical Imaging: Image Perception Conference Chair 1999 - 2003
- 4) Program Review Committee, World Congress of High-Tech Medicine 2000
- 5) Program Review Committee, American Telemedicine Association Annual Mtg 2002 - present
- 6) Program Committee, International Workshop on Digital Mammography 2004 - present

- 7) Program Committee, SPIE Medical Imaging: Image Perception Symposium Chair 2005 - 2006
- 8) Program Review Committee, IASTED International Conference on Telehealth 2005 - 2015
- 9) Program Review Committee, Annual Successes & Failures in Telehealth 2007
- 10) Program Review Committee, Medical Image Computing & Computer Assisted Intervention 2007
- 11) Program Review Committee, Advances in eHealth Telemedicine International 2008
- 12) Conference Organizer International Workshop on Digital Mammography 2008
- 13) American Telemedicine Association Annual Mtg Conference Organizer & Host 2008
- 14) Program Review Committee, IADIS Computer Science & Information Systems 2010
- 15) Program Review Committee, AAPM Annual Meeting 2010 - 2012
- 16) Scientific Program Committee, Intl Conference Information Tech Biomedicine 2012 - 2014
- 17) Program Committee, SPIE Medical Imaging: Image Perception 2012 - present
- 18) Program Committee, SPIE Medical Imaging: Digital Pathology 2013 - present
- 19) Program Committee, Society for Imaging Informatics in Medicine 2014
- 20) Scientific Program Committee, International Workshop Collaboration Technologies & Systems in Healthcare and Biomedical 2014
- 21) Scientific Program Committee, eHealth 2014
- 22) Organizing Committee & Co-Director Telehealth Service Provider Showcase 2014
- 23) Scientific Review Committee 5th International Conference Information Technologies in Biomedicine 2016
- 24) Scientific Board Telemedicine & eHealth 2016 International Conference 2016
- 25) Scientific Program Committee Global Telehealth 2016 2016
- 26) Organizing Committee & Co-Director Telehealth Service Provider Showcase 2016
- 27) Organizing Committee & Co-Director Telehealth Service Provider Showcase 2017
- 28) Conference Organizer/Host International Workshop on Breast Imaging 2018
- 29) Academy for Radiology & Biomedical Imaging Research-NIST Diagnostic Cockpit Workshop Workshop Facilitator 2018
- 30) Organizing Committee Society for Education and the Advancement of Research in Connected Health 2018 - present
- 31) Organizing Committee & Co-Director Telehealth Service Provider Showcase 2018
- 32) Scientific Committee International Workshop Breast Imaging 2020
- 33) Scientific Committee International Workshop Breast Imaging 2021
- 34) Scientific Committee International Workshop Breast Imaging 2022
- 35) Organizing Comm Society Ed & Advancement Research Connected Health 2022
- 36) Organizing Committee Mass General Brigham Virtual Care Symposium 2022

ii. Sessions as Chair:

- 1) Medical Image Perception Society Conference 1993 - present
- 2) SPIE Medical Imaging: Image Perception 1994 - present
- 3) International Workshop on Digital Mammography/Breast Imaging 1994 - present
- 4) Society for Imaging Informatics in Medicine 1995 - present
- 5) American Telemedicine Association Annual Meeting 1997 - present
- 6) Arizona Corrections Telemedicine Conference 1999 - 2002
- 7) Radiological Society of North America Annual Meeting 2000 - 2014
- 8) American Association of Physicists in Medicine 2010 - present
- 9) SPIE Medical Imaging: Digital Pathology 2012 - present
- 10) Telehealth Service Provider Showcase 2014 - present
- 11) Association University Radiologists 2014 - present
- 12) Society for Education and the Advancement of Research in Connected Health 2018 - present

b. Regional:

i. Administrative Positions:

- 1) Organizing & Scientific Program Arizona Corrections Telemedicine Conference 1999 - 2002
- 2) Organizing & Host Committee, National Telemedicine Resource Center Fall Mtg 2013
- 3) Organizing & Host Committee, Telemedicine Service Providers Showcase 2014
- 4) Organizing & Host Committee, Telemedicine Service Providers Showcase 2016
- 5) Organizing & Host Committee, Telemedicine Service Providers Showcase 2017
- 6) Organizing & Host Committee, Telemedicine Service Providers Showcase 2018
- 7) Organizing & Host Committee, Increasing Mental Health Access for Underserved Populations with Telehealth: Rural, Medicaid, Veterans & Veterans' Family Services 2019

ii. Sessions as Chair:

- 1) Arizona Corrections Telemedicine Conference 1999 - 2002
- 2) National Telemedicine Resource Center Fall Meeting 2013
- 3) Telemedicine Telehealth Service Providers Showcase 2014 – 2019
- 4) Society for Education and the Advancement of Research in Connected Health 2018 - present

c. Institutional:

i. Administrative Positions:

- 1) Co-Organizer Arizona Telemedicine Training Program 1998 - present
- 2) Co-Organizer, Dept Medical Imaging Resident Research Day 2015
- 3) Co-Director Emory Radiology Resident Research Track 2016 - present
- 4) Co-Organizer & host Integrative Cancer Imaging Research Initiative Workshop
Emory Dept Radiology & Imaging Sciences & Winship Cancer Center 2018
- 5) Co-organizer & host Symposium on Innovations in Imaging Technology & Healthcare Applications: Artificial Intelligence in Medical Imaging & Beyond
Emory Dept Radiology & Imaging Sciences & Winship Cancer Center 2018

20. Community Outreach:

a. General:

- 1) WISE (Women in Science & Engineering) student sponsorship program 1995 - 2001
- 2) Southern AZ Research, Science & Engineering Foundation Science Fair Judge 1996 - 2000
- 3) University of Arizona APEX/MESA Early Outreach Speakers Bureau 1999 - 2004
- 4) University Arizona Faculty Advisor to the Mixed Martial Arts Club 2011 - 2014
- 5) University Arizona Faculty Advisor AzHOSA (AZ Health Occupations Students America) 2012 – 2014

21. Formal Teaching:

a. Medical Student Teaching:

- 1) Introduction Telemedicine (Medical School Elective) University Arizona 1998
2 hrs/wk
- 2) Problem-Based Learning 1st-Year Med Students University Arizona 1999 - 2000
2hrs/week/semester
- 3) Statistics thread University Arizona Medical School 2009 - 2015
4 hrs/semester

b. Graduate Programs:

i. Residency Programs:

- | | |
|---|----------------|
| 1) Radiology Resident Physics Review Course University Arizona
2 hrs/wk/semester | 1998 - 2006 |
| 2) Radiology Resident lectures Emory University | |
| a. Authorship (1 hr) | 2017 |
| b. Conducting education & perception studies (1 hr) | 2017 |
| c. Intro to Radiology Research Course | 2016 - present |

ii. Master's and PhD Programs:

- | | |
|--|-------------|
| 1) Applied Aspects of Telemedicine & Telehealth University Arizona College
Public Health
4 hrs/wk/semester | 2010 - 2014 |
| 2) Fundamentals of Telehealth University Arizona College Public Health | 2020 |

iii. Undergraduate Programs:

- | | |
|---|-------------|
| 1) Brain & Behavior (Psychology) Temple University
10 hrs/wk/semester | 1990 - 1992 |
| 2) Sensation & Perception (Psychology) Temple University
10 hrs/wk/semester | 1990 - 1992 |
| 3) Statistics (Psychology) Temple University
10 hrs/wk/semester | 1990 - 1992 |
| 4) Social Psychology (Psychology) Temple University
10 hrs/wk/semester | 1992 |
| 5) Psychology 230 University Arizona (Measurement & Statistics)
10 hrs/wk/semester | 1993 - 2015 |
| 6) Health Design Studio 2 3032A GA Tech (School of Industrial Design)
2 hrs/semester | 2019 |

iv. Other

- | | |
|---|----------------|
| 1) Telemedicine Evaluation & other topics – Arizona Telemedicine Program Training
6-10 1-hour lectures/year | 1998 – present |
| 2) Emory Radiology Leadership Academy
2 hrs/year | 2016 - present |
| 3) Radiological Society of North America – Society for Imaging Informatics in Medicine
National Imaging Informatics Course
5 hrs/year | 2017 - 2019 |
| 4) Emory Dept Radiology & Imaging Sciences Junior Faculty Retreat | 2016 - present |

22. Supervisory Teaching:

a. Residency Program:

- 1) William Wright, MD, 1992 - 1995 University of Arizona Radiology Residency
“Evaluation of new thrombus-specific ultrasound contrast agent”
Current: Atlanta Medical Center, Atlanta, GA
- 2) Kelly McAleese, MD, 1994 - 1997 University of Arizona Radiology Residency
“Evaluation of non-palpable breast lesions with thallium-201 and technesium-99m-sestamibi using SPECT”
Current: Women’s Imaging Center, Denver, CO
- 3) Scott Pereles, MD, 1997 - 2001 University of Arizona Radiology Residency
“Laser-guidance of CT biopsy is more accurate than conventional “freehand” techniques”;
Current: Salinas Valley Imaging, Salinas, CA
- 4) Ben LeSueur, MD, 1999, University of Arizona Dermatology Residency
“Diagnostic performance and image quality assessment in teledermatology”

- Current:* Southwest Skin Specialists Phoenix, AZ
- 5) Anthony Masaryk, MD, 1999 - 2001 University of Arizona Radiology Residency
 "Correlation of acetazolamide challenged SPECT scan and angiographic perfusion patterns of different vascular territories of the brain for cerebral vascular reserve"
Current: Austin Radiological Association, Austin, TX
 - 6) Josh Walsh, MD, 2001 - 2003 University of Arizona Radiology Residency
 "Neutropenia and catheter-related infections in bone marrow transplant patients"
Current: AZ State Radiology, Tucson, AZ
 - 7) Hasan Ozgur, MD, 2001 University of Arizona Radiology Residency
 "Correlation of acetazolamide challenged SPECT scan and angiographic perfusion patterns of different vascular territories of the brain for cerebral vascular reserve"
Current: Longview Radiologists, Kelso, WA
 - 8) Adrian Moyer, MD, 2002 University of Arizona Radiology Residency
 "Radiology resident interpretation of after-hours body CT examinations originating from the emergency department"
Current: Scottsdale Medical Imaging, Scottsdale, AZ
 - 9) Adam Bauer, MD, 2010 - 2014 University of Arizona Radiology Residency
 "I-123 Ioflupane and tremor asymmetry in Parkinson disease"
Current: Neuroradiologist Kaiser Permanente, Fontana, CA
 - 10) Jose Arango, MD, 2010 - 2011 University of Texas Houston Ophthalmology & Biomedical Informatics Internship
 "Grading diabetic retinopathy severity from compressed digital retinal images compared with uncompressed images and film"
 "Digital versus film fundus photography for research grading of diabetic retinopathy severity"
 "Comparison of multiple stereoscopic and monoscopic digital image formats to film for diabetic macular edema evaluation"
Current: Informatica Salud, Medellin, Columbia
 - 11) Melanie Kuhlman, MD, 2009 - 2012 University of Arizona Radiology Residency
 "Direct reporting of results to patients: the future of radiology"
Current: UPH Outpatient Pediatric Radiology, Tucson, AZ
 - 12) Monique Meyer, MD, 2009 – 2012 University of Arizona Radiology Residency
 "Direct reporting of results to patients: the future of radiology"
Current: CMI Radiology Group, Fresno, CA
 - 13) Jason Wright, MD, 2010- 2014 University of Arizona Radiology Residency
 "Visible radiologists: providing bedside consultation"
Current: Faculty Dept Medical Imaging University Arizona
 - 14) Lavi Nissim, MD, 2011 - 2013 University of Arizona Radiology Residency
 "Exposure to, understanding of, and interest in interventional radiology in American medical students"
 "Vascular and IR/diagnostic and IR enhanced clinical training pathway: survey of graduates and trainees from this pilot IR training program"
Current: John C Lincoln North Mountain Hospital, Phoenix, AZ
 - 15) Annette Ho, MD, 2011 – 2015 University of Arizona Radiology Residency
 "Predictive role of imaging in sentinel lymph node dissection for melanoma"
Current: Radiologist Kaiser Permanente Lancaster, CA
 - 16) Matt Covington, MD, 2012 – 2015 University of Arizona Radiology Residency
 "Noncontrast MRI versus Contrast Enhanced CT for Evaluation of Suspected Acute Appendicitis in Patients < 40 Years: Cost Considerations and Impact on Emergency Department Patient Throughout"
Current: Faculty Mayo Clinic Scottsdale, Scottsdale, AZ
 - 17) Greg Woodhead, MD, 2011 – 2015 University of Arizona Radiology Residency
 "IRE Hepatic Tumors";
Current: Faculty Dept Medical Imaging University Arizona, Tucson, AZ
 - 18) Seung Hur, MD, 2013 – 2015 University of Arizona Radiology Residency
 "Optimizing the VQ scan for image quality and radiation exposure"
 "Comparison of three protocols for gallbladder ejection fraction by hepatobiliary scintigraphy"

- Current:* Riverside Radiology & Interventional Associates, Columbus, OH
- 19) Adam Dabrowiecki, MD, 2018 – 2019 Emory University, Atlanta, GA
“Comparing blue light filtering glasses to non-blue light filtering glasses in diagnostic radiology residents”
Current: Radiology resident Emory University, Atlanta, GA
 - 20) Henry Zhan, MD 2018 – 2019 Emory University, Atlanta, GA
“Assessing the impact of fatigue on complex case interpretation in diagnostic radiology”
“Task specific compression for biomedical big data”
“Use of Where’s Waldo as a tool to improve radiology resident image interpretation training”
 - 21) DeAngelo Harris, MD 2021-2022 Emory University, Atlanta, GA
“Impact of Radiology Report Type on Visual Search of Images”
“Impact of Type of AI Presentation on Visual Search of Chest Images with COVID”
 - 22) John Moon, MD 2021-2023 Emory University, Atlanta, GA
“Novel stent-endograft technology development”
 - 23) Maxwell Cooper, MD 2021-2023 Emory University, Atlanta, GA
“Novel stent-endograft technology development”
 - 24) Valeria Makeeva, MD 2021-2022 Emory University, Atlanta, GA
“SHIELD technology for follow-up findings”
 - 25) Joshua Brown, MD 2022-2025 Emory University, Atlanta, GA
“Resident-Faculty Research Project Portal”
 - 26) Wasif Bala, MD 2022-2025 Emory University, Atlanta, GA
“Impact of Dedicated Online Teaching Modules on Radiology Resident MRI Interpretation”

b. Thesis Committees:

- 1) Bijal Sutaria, 1993, Master’s Thesis Dept Electrical & Computer Engineering, University of Arizona
“Real-time distributed database using file management and remote conferencing for Global PACS”
Current: RGB Networks
- 2) Yuan Yu, 1993, Master’s Thesis Dept Electrical & Computer Engineering, University of Arizona
“JPEG Compression and communications in a telepathology system”
- 3) Jie Yao, 1994, Doctoral Dissertation Optical Sciences Dept, University of Arizona
“Predicting human performance by model observers”
Current: Research staff, 3M, Minneapolis, MN
- 4) Kris Maloney, 1996 – 1998, Doctoral Dissertation Library Sciences, University of Arizona
“Decision strategies in radiology”
Current: Dean of Libraries University of Texas San Antonio
- 5) Alina Spectorov, 1997-1998, Doctoral Dissertation Department of Psychology, University of Arizona
“The visual presentation of quantitative information”
- 6) Eric Paulson, 1998, Doctoral dissertation Department Language, Reading & Culture, University of Arizona,
“The use of eye-position in the study of miscuing in reading”
Current: Associate Dean Graduate College & Professor College of Education Texas State University
- 7) Joel Magliore 2000-2002, Doctoral Dissertation Departments of Psychology & Speech & Hearing Sciences, University Arizona
“Eye movements by good and poor readers during reading of regular and phrase-segmented tasks”;
Current: Private Practice Speech-Language Pathologist New York, NY
- 8) Adrian Moise, 2003, Doctoral Dissertation School of Computing Science, Simon Fraser University,
“Designing better user interfaces for radiology interpretation”
Current: Founder & CEO Aequilibrium, Vancouver, Canada
- 9) Jiahua Fan, 2003 – 2007, Department Electrical & Computer Engineering, University of Arizona
“Evaluation of and compensation for spatial noise of LCDs in medical applications”
Current: Principal Scientist GE
- 10) Lu Zhang-Ge, 2012, Doctoral Dissertation University of Angers, France
“Numerical Observers for the Objective Quality Assessment of Medical Images”
Current: Associate Professor IETR Lab INSA de Rennes, France
- 11) Madiha Makhdumi, MD, 2014, MPH Committee College Public Health University Arizona

- “Provision to all adult diabetic patients with diabetic foot ulcers a vascular, neurological, dermatological and mechanical comprehensive assessment and evaluation for infection”
Current: Public Health Banner Health
- 12) Joanna Lowe, 2015, Doctoral Dissertation School of Medicine & Medical Science University College Dublin “Pre- and post-calibration display performance: psychophysical & diagnostic performance analysis”
Current: Lecturer University College Dublin
 - 13) Louiza Patsis, 2015 - 2017, Doctoral Dissertation College Education & Information Long Island University “A revolution in health care? Toward a discourse community for telemedicine”
Current: Entrepreneur & author
 - 14) Moiz Hafeez, 2017 – 2018, MSc Thesis University of Calgary School of Medicine “Algorithm Enhanced Gray- White Matter Non-contrast CT improves reliability for ASPECTS scoring”
Current: MSc student
 - 15) Chenan Li, 2017-2018, MS Thesis Georgia Institute of Technology ““Encouraging sedentary workers’ active seating through product design””
Current: MS student
 - 16) Rohab Abdolkhani, 2021, Doctoral Dissertation Melbourne Medical School University of Melbourne “Development of a data quality management guideline for patient generated health data in remote patient monitoring”
 - 17) Abdulaziz Saad A Alshabibi, 2022, Doctoral Dissertation The University of Sydney Faculty of Medicine and Health “Factors causing variability when reading mammography”
 - 18) Kehn Yapp, 2023, Doctoral Dissertation The University of Sydney Faculty of Medicine and Health “Clinical history and diagnostic performance of cone beam computed tomography and digital periapical radiography in endontic disease detection”

c. Other:

- 1) Edward Soares, 1992-1993, Department Mathematics University of Arizona
 “Noise properties of attenuation correction methods for SPECT”
Current: Associate Professor Department Mathematics & Computer Science College of the Holy Cross
- 5) Craig Abbey, 1992-1993, Department Mathematics University of Arizona
 “Observer performance on images produced by the Linear Landweber Algorithm”
Current: Researcher Department Psychological & Brain Sciences University of California Santa Barbara
- 6) Vanitha Sankaran, 1994-1995, Department Electrical Engineering University of Arizona
 “Observer performance detection of objects in IR images”
Current: Sourcery, Inc., Oakland, CA
- 7) Yasser Al-Safadi, Department Electrical Engineering University of Arizona
 “Lossy network transmission: influence on the detection of microcalcification clusters in mammograms”
Current: Knowledge & R&D Director, NewBoy
- 8) Ellen Petratis, 1995, Department of Psychology University of Arizona
 “Observer performance using medical images varying in lumpiness and counts”
- 9) Wu Zhu, 1995-1996, Department Electrical Engineering University of Arizona
 “Observer performance detection of blurred targets in IR images”
- 10) Tom Chu, 1997, Department of Psychology University of Arizona
 “Perceptual issues in medical imaging”
Current: Actelion Pharmaceuticals
- 11) Jennifer Johnson, 1997, Department of Psychology University of Arizona
 “Influence of symmetry and depth on scanning patterns while viewing artworks”
Current: Assistant Professor Neurology SUNY Buffalo
- 12) Whitney Kyle, 1997, Department of Psychology University of Arizona
 “Etiology of developmental problems in children - a survey”
- 13) Craig Lulloff, 1998, Department of Psychology University of Arizona
 “Signal detection in medical imaging”

- 14) Noelle Smith, 1998, Department of Psychology University of Arizona
"ROC methodology and signal detection theory"
- 15) Michael Hernandez, 1998, Department of Psychology University of Arizona
"ROC methodology and signal detection theory"
Current: Owner Redefine Personal Performance Training, Tucson, AZ
- 16) Misty Kerrigan, 1998, Department of Psychology University of Arizona
"ROC methodology and signal detection theory"
Current: Program Coordinator Oak Grove Center Los Angeles
- 17) Tamika McLaughlin, 1998, Department of Psychology University of Arizona
"ROC methodology and signal detection theory"
- 18) Carolyn Copps, 1998, Department of Psychology University of Arizona
"ROC methodology and signal detection theory"
- 19) Hunter Ryan, 1998, Department of Psychology University of Arizona
"ROC methodology and signal detection theory"
Current: Director Creative Advertising Focus Features, Los Angeles, CA
- 20) Andrew Basinger, 1998 - 1999 Department of Psychology University of Arizona
"Perceptual and cognitive processing of medical images"
"Psychophysical evaluation of medical display monitors"
Current: RJ Reynolds Tobacco, State College, PA
- 21) Marko Elgart, 1999, Department of Psychology University of Arizona
"Evaluation of scales to measure sports fan motivations"
- 22) Lynn Fousel, 1999, Department of Psychology, University of Arizona
"Evaluation of statistical methods in vision perception research"
Current: Independent Professional Training & Coaching Professional, Tucson, AZ
- 23) Christopher Lane, 2000, Department of Psychology, University of Arizona;
"Measuring motivation in elite athletes"
- 24) Brandon Gallas, 2000-2001, Department Physics, University of Arizona
"Signal detection in lumpy backgrounds"
Current: Research Physicist, DHHS/FDA/CDRH/OMPT/CDRH/OSEL/DIDSR
- 25) Matthew Lea, 2001, Department of Psychology, University of Arizona
"The psychology of sports marketing techniques"
Current: Head Coach Track & Field California Lutheran University
- 26) Michael Engstrom, 2001-2003, Department of Psychology, University of Arizona
"Measuring level of complexity in telemedicine dermatology cases"
Current: private practice PA, Tucson, AZ
- 27) Allison Tillack, 2005 – 2006, Department Anthropology, University of Arizona
"Eye-movement study and human performance using telepathology virtual slides. Implications for medical education and differences with experience"
"Using virtual telepathology technology to train pathology residents"
Current: Department Radiology, University of Washington
- 28) David Castro, 2007, Department of Psychology, University of Arizona
"A new method for scoring the Questionator"
Current: PDX Pharmaceuticals, Portland, OR
- 29) Rachael Blaire, 2007, Department of Psychology, University of Arizona
"A new method for scoring the Questionator"
Current: Physician Assistant New York Presbyterian Hospital, New York, NY
- 30) Ashton Lee, 2007, Department of Psychology, University of Arizona
"A new method for scoring the Questionator"
- 31) Alyson Reetz, 2007, Department of Psychology, University of Arizona
"A new method for scoring the Questionator"
- 32) Drew Watkins, 2007, Department of Psychology, University of Arizona
"A new method for scoring the Questionator"
- 33) Ruri Lee, 2010, Department Radiology University of Arizona (student New York Medical College)
"Effect of sitting vs standing during radiologic reading on blood pressure and heart rate"
Current: Resident Dept Radiology New York Medical College
- 34) Betre Workie, 2010 – 2011, University Arizona College of Medicine

- “Survey of security measures in radiology department”
 Current: SJHMC Internal Medicine, Phoenix, AZ
- 35) Stacey Jaw, 2011, Department of Chemistry & Microbiology University of Arizona
 “Impact of compression on diagnostic classification of virtual breast biopsy slide”
Current: Manager Advanced Magnetic Research Institute
- 36) Tyler Hall, 2011, University of Arizona College Medicine
 “Impact of radiology report style on interpretation performance and preference”
Current: Private practice radiologist
- 37) Spencer Hansen, 2011, University Arizona College Medicine
 “Bone determination via radiographs”
Current: Private practice psychiatrist
- 38) Sarah Zaccagnio, 2012, Department of Psychology, University of Arizona
 “PTSD treatment via pet therapy vs traditional in military and non-military environments”
- 39) Lea MacKinnon, 2012 – 2015, University of Arizona College of Medicine
 “Pilot research to investigate a link between reading and abilities for medical imaging”
 “Pilot research to investigate correlation between RVUs assigned and actual MSK workflow”
 “Utility of a commercial GSR watch to monitor stress and fatigue in radiologists”
Current: Resident Dept Medical Imaging, University of Arizona
- 40) Alexandra Schaeffer, 2014 – 2015, Department of Psychology University of Arizona
 “Impact of fatigue on the SOS effect”
Current: Paralegal, Tucson, AZ
- 41) Alex Wallace, 2014, University of Arizona College of Medicine
 “App development for teaching radiology to medical students”
Current: Resident Radiology Mayo Clinic Scottsdale
- 42) Ross Bittman, 2017, Emory University College of Medicine
 “Percutaneous vs. Endoscopic Treatment for Relief of Biliary Obstruction due to Intrahepatic Cholangiocarcinoma”
- 43) Matthew Lungren, MD, MPH, 2018, Stanford University Department of Radiology; Academy for Radiology & Biomedical Imaging Research Mentoring Program
- 44) Abby King, MA, 2018, University of Durham Department of Anthropology
 “Ethnographic study of telemedicine in New Mexico”
- 45) Calista McKenna McCausland, 2020, Stoneman Douglas High School Parkland, FL “What are the effects of telehealth visits on a teenagers health, ages 14-18, as opposed to in clinic appointments, in Broward County, Florida?”
- 46) Jasmine Regunan, 2022, University of Texas Houston, TX “HERMES Free Telehealth”
- 47) Casey Crocket, 2022, Brown University “HERMES Free Telehealth”
- 48) Diego Palos Rodriguez, 2022, Rice University “HERMES Free Telehealth”
- 49) Jae Kim, 2022, Rice University “HERMES Free Telehealth”
- 50) Bharath Sharma, 2023, Mercer University School of Medicine “Cervical Spine CT Imaging Appropriateness in Adult vs Pediatric Patients”

d. Faculty & Staff

- 1) Mihra Taljanovic, MD, PhD Department of Radiology University of Arizona
- 2) Dorothy Gilbertson, MD Department of Radiology University of Arizona
- 3) Philip Kuo, MD, PhD Department of Radiology University of Arizona
- 4) Kimberly Fitzpatrick, MD Department of Radiology University of Arizona
- 5) Marisa Borders, MD Department of Radiology University of Arizona
- 6) Rihan Khan, MD Department of Radiology University of Arizona
- 4) Helen Li, MD Department of Ophthalmology Houston Methodist
- 5) Ila Sethi, MD Department of Radiology & Imaging Sciences Emory University
- 6) Gelareh Sadigh, MD Department of Radiology & Imaging Sciences Emory University
- 7) Gail Peters, MD Department of Radiology & Imaging Sciences Emory University
- 8) Sharon Sonenblum, PhD Department of Bioengineering Georgia Tech
- 9) Joseph Stember, MD, PhD Department of Radiology Columbia University Medical Center
- 10) Stefanie Woodard, MD Department of Radiology University of Alabama Birmingham
- 11) Summer Decker, PhD Department of Radiology University of Central Florida

- 12) Yue Chen, PhD Department of Biomedical Engineering Georgia Tech
- 13) Melanie Escher-Blair, MAdm Arizona Telemedicine Program University of Arizona
- 14) Omer Awan, MD Department of Radiology, University of Maryland
- 15) Judy Gichoya, MD Department of Radiology, Emory University
- 16) Hari Trivedi, MD Department of Radiology, Emory University

23. Lectureships, Seminar Invitations, and Visiting Professorships:

a. National and International:

2000

- 1) Teleradiology & telemedicine at the University of Arizona: Practical lessons learned.
Northwestern University Department of Radiology Grand Rounds, Chicago, IL Oct 25, 2000

2006

- 3) Teleradiology in Arizona: an impetus for research and clinical progress.
University of Pennsylvania Department of Radiology Grand Rounds, Philadelphia, PA Jan 10, 2006

2011

- 4) Effect of long work days on reader accuracy.
Staten Island University Medical Center Grand Rounds, Staten Island, NY May 18, 2011
- 5) Basics of study design for meeting radiology resident research requirements.
Staten Island University Medical Center Grand Rounds, Staten Island, NY May 18, 2011

2013

- 6) Impact of long workdays on image interpretation accuracy & efficiency.
Emory University Radiology Grand Rounds, Atlanta, GA Oct 9, 2013
- 7) Optimizing visualization of medical images.
Emory University Research in Progress Seminar, Atlanta, GA Oct 9, 2013
- 8) Biomedical image analysis research: a perceptionist's approach.
University of North Carolina Hill Biomedical Research Imaging Seminar, Chapel Hill, NC Nov 13, 2013

2015

- 9) Medical Image Perception: Research Opportunities & Challenges
Duke University 25th Anniversary Carey E. Floyd, Jr., Memorial Lecture Nov 19, 2015

2017

- 10) Fatigue in the reading room: is it real & does it matter? University of Wisconsin
Madison Radiology Grand Rounds Mar 9, 2017
- 11) On the development of expertise in image interpretation. University of Wisconsin
Madison Radiology Residents Lecture Mar 9, 2017
- 12) Appreciating the role of the observer in the interpretation of medical images. University of Texas at
Austin Center for Perceptual Systems Seminar Series Mar 27, 2017

- 13) Imaging informatics from a perceptionist's perspective. Integrative Biomedical Imaging Informatics at Stanford (IBIIS) June 21, 2017
- 14) Interpreting medical images: appreciating the role of the observer. The Ottawa Hospital Citywide Nuclear Medicine Grand Rounds. September 19
- 15) How to structure and conduct perception research. The Ottawa Hospital Nuclear Medicine Chief Rounds September 19
- 16) Systematic error in radiology. American Journal of Roentgenology (AJR) Live Webinar Series. September 20

2019

- 17) Why the Need for Research in Health Care Technology? University of Arkansas Medical Center Digital Health Seminar Series November 19
- 18) What is team science & does it really work? University of Arkansas Medical Center Digital Health Seminar Series November 19

2020

- 19) Monitors & Perception – Practical knowledge. Society for Imaging Informatics in Medicine National Imaging informatics Curriculum & Course January 2020
- 20) Radiologists in the digital age: do we need to worry about them? University of North Carolina Department of Radiology Morbidity, Mortality and Improvements Meeting March 2020

2021

- 21) Building on a Career in Academic Radiology: Should You Put Your Eggs in More than One Basket? University of Pennsylvania Department of Radiology 46th Eugene P. Pendergrass Lecture June 2021

b. Institutional:

2010

- 1) The radiology workday reduces detection and accommodation accuracy. University of Arizona Frontiers in Medical Research Seminar, Tucson, AZ May 4, 2010

2013

- 2) Do long radiology work days impact diagnostic accuracy? Dept Medical Imaging Grand Rounds University of AZ, Tucson, AZ Mar 27, 2013
- 3) Impact of long workdays on image interpretation. University of AZ College of Medicine Frontiers in Medicine Series, Tucson, AZ Oct 1, 2013

2014

- 4) Need a grant? NIH opportunities for faculty, residents & grad students. University of Arizona Medical Imaging Grand Rounds, Tucson, AZ Mar 26, 2014

2015

- 5) Broadway & Park Place or Railroads? Funding opportunities & strategy.

University of Arizona Medical Imaging Grand Rounds, Tucson, AZ Apr 22, 2015

2016

- 6) Satisfaction of Search (SOS) in radiology image interpretation: more than just a lapse in attention?
Emory University Radiology Grand Rounds, Atlanta, GA Feb 3, 2016
- 7) Leading effective meetings.
Emory University Radiology Leadership Academy, Atlanta, GA Mar 11, 2016
- 8) Using eye-tracking to assess how clinicians extract information from images.
Emory University Department of Biomedical Informatics Exchange, Atlanta, GA Apr 19, 2016
- 9) Basics of Receiver Operating Characteristic (ROC) Analysis. Emory University Department of Radiology & Imaging Sciences Residents Lecture Series, Atlanta, GA May 10, 2016
- 10) Telemedicine: an overview. Emory University Department of Radiology & Imaging Sciences Residents Lecture Series, Atlanta, GA May 13, 2016
- 11) Radiology & Research at Emory. Office Clinical Research "Research Matters" Oct 20, 2016

2017

- 12) Understanding Statisticians Lingo. Emory University Department of Radiology & Imaging Sciences, Atlanta, GA Jan 24, 2017
Feb 21, 2017
- 13) Leading effective meetings. Emory University Radiology Leadership Academy, Atlanta, GA Feb 10, 2017

2018

- 14) Leading effective meetings. Emory University Radiology Leadership Academy, Atlanta, GA Feb 12, 2018

2019

- 15) Understanding the NIH review process. Emory University Department of Radiology & Imaging Sciences Research in Progress Seminars January 30, 2019

2020

- 19) Telemedicine Clinical Applications. Touro University California October 9, 2020

2021

- 20) State of the art telehealth. Touro University California & Nevada March, 11 2021

2022

- 21) AI.Humanity: Radiology & Imaging Sciences. Emory University Thursdays @ 3. Feb 17, 2022
- 22) Academic-industry AI partnerships. Yale Program Innovation in Imaging Informatics. Feb 28, 2022
- 23) How to generate rapport quickly: webside manner with patients on tele-appointments. University of Arizona 3rd Year Medical Student Clerkship. Mar 4, 2022

- 24) Southwest Telehealth Resource Center – Service Provider Directory. Health Resources & Services Administration Office for the Advancement of Telehealth All-Hands Meeting. Sep 27, 2022

2023

- 25) Leading effective meetings.
Emory University Radiology Leadership Academy, Atlanta, GA Mar 10, 2023

24. Invitations to National/International, Regional, and Institutional Conferences:

a. National and International:

1993

- 1) Technology assessment of medical video images. International Conference on Medical Aspects of Telemedicine, Tromso, Norway, May 20.
- 2) Human performance studies in the assessment of telepathology and teleradiology. International Conference on Medical Aspects of Telemedicine, Tromso, Norway, May, 20.

1996

- 3) Human performance studies in telemedicine. Nordic Congress of Telemedicine, Kuopio, Finland, Jun 18.
- 4) Quality assurance in telemedicine. Nordic Congress of Telemedicine, Kuopio, Finland, Jun 18.

2000

- 5) Store-forward telemedicine at the University of Arizona. Office for the Advancement of Telehealth Grantees Meeting, Bethesda, MD, Jan 10.

2003

- 6) Using eye-position to understand medical image perception. European Conference on Eye Movements XII. Dundee, Scotland, Aug 22.

2006

- 7) Human perception of medical images. United Kingdom Radiological Congress, Birmingham, England, May 16.
- 8) Computer aided detection. United Kingdom Radiological Congress, Birmingham, England, May 16.
- 9) Optimizing x-ray equipment performance. United Kingdom Radiological Congress, Birmingham, England, May 17.
- 10) E-learning. United Kingdom Radiological Congress, Birmingham, England, May 17.

2007

- 11) Perceptual optimization of image quality. South East American Association of Physicists in Medicine Spring Symposium, Atlanta, GA, Mar 22.

- 12) Perception in the digital reading room. 3rd Annual Practical Course in Digital Imaging & Teleradiology Connectivity in the 21st Century, Toronto, Canada, Apr 28.
- 13) Telemammography in Arizona. 3rd Annual Practical Course in Digital Imaging & Teleradiology Connectivity in the 21st Century, Toronto, Canada, Apr 27.
- 14) Proving equivalence – the same as the other guy. Society for Imaging Informatics in Medicine, Providence, RI, Jun 7.
- 15) Ergonomic and perceptual optimization of the reading room. Society for Imaging Informatics in Medicine, Providence, RI, Jun 8.

2008

- 16) Update on the International activities of the American Telemedicine Association. Advances in eHealth and Telemedicine International. Warsaw, Poland, Oct 24.

2009

- 17) Teleradiology & Telepathology. Third Balkans Telemedicine e-Health Seminar, Skopje, Macedonia, Feb 7.
- 18) Moving forward with telehealth. 2009 Telehealth Symposium, Denver, CO, Mar 27.
- 19) Implementation & evaluation of telehealth tools & technologies: AZ Telemedicine Program. Future of Telehealth: Essential Tools & Technologies for Clinical Research & Care, Bethesda, MD, Jun 25.
- 20) The digital reading environment – what can radiology teach pathology? Advancing Practice, Instruction & Innovation Through informatics. Pittsburgh, PA, Sep 21.
- 21) Medical physics, image perception & human factors: bridging the gap between clinicians, patients & technology. XXXII Bienal de Fisica de la Real Sociedad Espanola de Fisica, Ciudad Real, Spain, Sep 7.

2010

- 22) Assessing radiologists' fatigue – does it impact accuracy? 6th Annual Medical Imaging Informatics and Teleradiology Conference, Montreal, Canada, Apr 21.
- 23) Medical imaging in the digital age: facing unexpected challenges. American College of Veterinary Radiologists, Ashville, NC, Aug 16.
- 24) Ergonomic & perceptual optimization of the telehealth reading room. Global Telehealth 2010, Perth Australia, Nov 11.

2011

- 25) Telehealth Resource Centers – Helping you get where you want to go. Utah Promontory Health Information Exchange & Technology Connectivity Conference. Salt Lake City, UT Jun 22.
- 26) Telemedicine – Innovations in rural healthcare delivery. Ninth Annual Western Region FLEX Conference. Reno, NV, Jun 22.
- 27) How do medical residents learn to interpret medical images – incorporating digital tools into training. New Tools and Practices for Seeing and Learning in Medicine. Turku, Finland, Jun 27.

- 28) Building upon telehealth success. National Rural Health Association Quality & Clinical Conference. Rapid City, SD, Jul 21.
- 29) Medical imaging displays: opportunities & challenges. New York Medical Imaging Informatics Symposium. New York City, NY, Sep 19.
- 30) Enterprise imaging informatics: What about the other guys? Society for Imaging Informatics in medicine Regional Meeting, San Francisco, CA, Oct 24.

2012

- 31) On the development of expertise in interpreting medical images. SPIE IS&T Electronic Imaging, San Francisco, CA, Jan 22.
- 32) Enterprise imaging informatics: What about the other guys? Society for Imaging Informatics in medicine Regional Meeting, Long Beach, CA, Mar 22.
- 33) Medical teleconferencing. Stanford Symposium on Biomedical Imaging, Stanford, CA, Apr 5.
- 34) Enterprise image informatics: assessing implementation. Medical Imaging Informatics & Teleradiology, Toronto, CA, May 11.
- 35) Optimizing quality in radiology by optimizing the radiologist. Medical Imaging Informatics & Teleradiology, Toronto, CA, May 12.
- 36) Arizona Telemedicine Program. Sustaining & Realizing the Promise of Telemedicine, Ann Arbor, MI, May 18.
- 37) Current research base. Institute of Medicine Workshop on the Role of Telehealth in an Evolving Health Care Environment, Washington, DC, Aug 8.
- 38) Appreciating the role of visual perception & human factors in whole slide imaging evaluation. Pathology Informatics 2012 Histopathological Image Analysis (HIMA) Workshop, Chicago, IL, Oct 9.

2013

- 39) How do you make sure WSI are safe to use? Molecular Med Tri-Con Digital Pathology Conference, San Francisco, CA, Feb 12.
- 40) Optimizing visualization of medical images by understanding the users. Gordon Research Conference on Visualization in Science and Education, Providence, RI, Jul 22.
- 41) Why is image quality in medicine important – the user's perspective. 6th International Workshop on Image Media Quality and its Applications, Tokyo, Japan, Sep 12.
- 42) Innovations and possibilities in connected health. 6th International National Center for Rehabilitative Auditory Research Conference, Portland, OR, Sep 18.

2014

- 43) Making telehealth work: it's the people & procedures! Northwest Regional Telehealth Resource Center Telemedicine Conference. Portland, OR, Mar 24.
- 44) Gathering evidence of telehealth & the triple aim. Telehealth & the Triple Aim: A Forum for Advancing Knowledge & Practice, Sacramento, CA, Apr 23.

- 45) Collaborating across telemedicine specialties for improved cancer care. Collaboration Technologies & Systems in Healthcare & Biomedical Fields, Minneapolis, MN, May 20.
- 46) Advanced telecommunications in breast imaging: streamlining telemammography, telepathology & teleoncology services to improve patient care. International Workshop on Digital Mammography, Gifu, Japan, Jul 2.
- 47) Making telehealth work: it's the people & procedures! Congreso de Telesalud Region de las Americas, Monterrey, Mexico, Sep 4.
- 48) Telepathology – the impact of color display calibration on interpretation accuracy & efficiency. Telemedycyna I eZdrowie, Warsaw, Poland, Sep 24.

2015

- 49) Large-scale deployment of digital pathology: the importance of color. Molecular Med Tri-Con, San Francisco, CA, Feb 17.
- 50) Innovations in telehealth – new models for improving healthcare across borders. 7th International Conference on Health Issues in Arab Communities. Muscat, Oman, Mar 4.
- 51) Marketing to communities & providers by utilizing telemedicine. 2nd Point of Care Marketing Congress, Morristown, NJ, May 19.
- 52) Telemedicine: Improving student access to healthcare. American College Health Association Annual Meeting, Orlando, FL, May 26.
- 53) Arizona Telemedicine Program. Club des Acteurs en Telesante. Los Angeles, CA, May 4.
- 54) Improving performance in veterinary radiology. Veterinary Radiology Business Symposium. Portland, OR, Jun 9.
- 55) Teleradiology: Optimizing readers & their environment. International Veterinary Radiology Association. Fremantle, Australia, Aug 17.
- 56) Status of Telemedicine Guidelines, Policy & Practice in the USA. Telemedycyna I eZdrowie. Warsaw, Poland, Sep 29.

2016

- 57) Big data in the clinic: using data to guide practice. 4th International Workshop on Collaboration Technologies & Systems in Healthcare & Biomedical Fields, Orlando, FL, Nov 3.

2017

- 58) Remembering Lee Rosen, PhD & Larry Clarke, PhD. NIH BISTI Monthly Webinar Meeting, Bethesda, MD, May 4.
- 59) Assessment & evaluation. Telehealth Resource Center Ninja Training Webinar Series, Aug 24.

2019

- 60) Telehealth today: where are we & where the future will lead us. Congreso Internacional Telemedicina, telesalud, Salud Digital. Concepcion, Chile December 6

- 61) The business case for telegenetics. National Society of Genetic Counselors Health IT SIG webinar series. December 13

2020

- 62) Telemedicine's return on investment: is it worth it? National Association of Community Health Centers "Telehealth Office Hours Webinar Series" January 9

b. Regional:

2011

- 1) Benefits of telemedicine. Best Practices in Telehealth & Healthcare Technologies, Phoenix, AZ, Oct 20, 2011.

2013

- 2) Telemedicine in Arizona. National Conference State Legislators Building the Health Care Workforce to Meet Your State's Needs. Scottsdale, AZ, Dec 12, 2013.

2014

- 3) Incorporating telemedicine into routine practice: practice guidelines. Arizona Telemedicine Council, Phoenix, AZ, Jul 16, 2014.
- 4) Challenges and opportunities: why an SPS? Telemedicine Telehealth Service Providers Showcase, Phoenix, AZ, Oct 6, 2014.

2015

- 5) University of Arizona Telemedicine. Summit Healthcare HRSA Rural Network Development Program. Phoenix, AZ, Feb 12, 2015.
- 6) Guidelines for Behavioral Health. Summit Healthcare HRSA Rural Network Development Program. Phoenix, AZ, Feb 12, 2015.
- 7) Telemedicine & Telehealth standards & guidelines. Arizona Telemedicine: Applications, Model Programs, and Secrets for Success. Flagstaff, AZ, Oct 9, 2015.

2016

- 8) Telemedicine standards of practice, outcomes & resources. Summit Healthcare Compassionate Care, Close to Home with Telemedicine Program. Show Low, AZ, Aug 26, 2016.
- 9) Telemedicine & Telehealth standards & guidelines. Flagstaff, AZ, Oct 7, 2016.

2017

- 10) Telemedicine: Informed Consent. Tucson, AZ, Jan 27, 2017.
- 11) Telemedicine & the Telehealth Resource Centers: How & Why We Are Here for You! FCHIP Program webinar, Mar 23, 2017.
- 12) Panel on Digital Infrastructure. Stonecrest, GA City Council Smart City Forum, Oct 12, 2017.
- 13) Telemedicine & Telehealth standards & guidelines. Arizona Telemedicine: Applications, Model Programs, and Secrets for Success. Flagstaff, AZ, Nov 3, 2017.

2018

- 14) Managing Metabolic Disorders via Telemedicine. eGNA Journal Club Webinar & Case Conference. Atlanta, GA. Oct 3 & 12, 2018.
- 15) Telehealth Evaluation. Arizona Telemedicine: Applications, Model Programs, and Secrets for Success. Flagstaff, AZ, Nov 7, 2018.

2019

- 16) Introduction to telemedicine for clinicians. Southwest Regional Genetics Network. Atlanta, GA, Jan 30, 2019.
- 17) Practice Guidelines. Increasing Mental Health Access for Underserved Populations with Telehealth: Rural, Medicaid, Veterans & Veterans' Family Services. Denver, CO, Aug 19, 2019.
- 18) Addressing telemental health access in Colorado. Increasing Mental Health Access for Underserved Populations with Telehealth: Rural, Medicaid, Veterans & Veterans' Family Services. Denver, CO, Aug 19, 2019.
- 19) Funding landscape for telemental health. Increasing Mental Health Access for Underserved Populations with Telehealth: Rural, Medicaid, Veterans & Veterans' Family Services. Denver, CO, Aug 19, 2019.
- 20) Telemedicine's return on investment: is it worth it? Building Innovative & Successful Telehealth Programs. Show Low, AZ, Nov 8, 2019.
- 21) Why the Need for Research in Health Care Technology? SouthCentral Telehealth Resource Center Quarterly Thought Conference (webinar), December 11, 2019

2021

- 22) How to tell a compelling story about your research & yourself. GA CTSA Learning Community (webinar), January 27, 2021
- 23) Telehealth protocol development. University of Texas San Antonio HIV Care Continuum Telehealth ECHO, April 14, 2021.
- 24) An introduction to telehealth. Touro University College of Education Center for Innovative Learning and Teaching, April 15, 2021
- 25) Telemedicine in the Healthcare Delivery System. Arizona Healthcare Executives. May 20

2022

- 26) Best Practices/Guidelines Related to Telehealth. Arizona Health Care Cost Containment System Telehealth Advisory Committee Meeting, Feb 24.

2023

- 27) What's Needed Next for the State of Nevada? Nevada Telehealth: Moving Beyond the Pandemic, Jul 13.

c. Institutional:

2007

- 1) Human factors, eye tracking & psychophysical studies. Industrial Outreach Symposium, Tucson, AZ, Dec 6, 2007.

2011

- 2) Solving challenges associated with virtual pathology slides. University of Arizona Optical Sciences Colloquium, Tucson, AZ, Dec 1, 2011.

2015

- 3) Assessing the impact of fatigue on radiologists' diagnostic accuracy. Arizona Research Institute for Biomedical Imaging Spring Workshop. Tucson, AZ, Apr 24, 2015.

2019

- 4) Human Factors in Health App Design. Health Design Studio 2 3032A GA Tech, January 7, 2019.

2023

- 5) Viewing Images. University of Pennsylvania CIIP Lunch & Learn. July 26, 2023.

25. Abstract Presentations at National/International, Regional, and Institutional Conferences (underlined = trainee)

a. National and International:

1987

- 1) ***Krupinski E A**. Influence of level of symmetry in abstract paintings on GSR magnitude, latency to peak, and verbally expressed ratings. Eastern Psychological Association, Arlington, VA, Apr 9-12, 1987. (oral)

1989

- 2) ***Krupinski EA**, Nodine CF, Kundel HL. Visual feedback enhances the recognition of missed lung nodules in chest x-ray images. Far West Image Perception Conference, Tucson, AZ, Oct 19-21, 1989. (oral)
- 3) ***Kundel HL**, ***Nodine CF**, ***Krupinski EA**. Displayed eye position as a visual aid to pulmonary nodule detection. Radiological Society of North America, Chicago, IL, Nov 26-Dec 1, 1989. (panel poster/interactive exhibit)
- 4) ***Kundel HL**, Nodine CF, **Krupinski EA**. The use of decision zones in ROC analysis of chest imaging. Far West Image Perception Conference, Tucson, AZ, Oct 19-21, 1989. (oral)
- 5) ***Nodine CF**, Kundel HL, **Krupinski EA**. Gaze duration as a measure of visual information processing during search for lung nodules: implications for ROC analysis. Far West Image Perception Conference, Tucson, AZ, Oct 19-21, 1989. (oral)
- 6) ***Nodine CF**, Kundel HL, **Krupinski EA**, Toto LC. Computer-assisted perception of radiographs. British Institute of Radiology, Eastbourne, England, May, 4-6, 1989. (oral)
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- 56) ***Krupinski EA**, Lund PJ. Comparison of film vs monitor viewing of CR films using eye-position recording. Society for Computer Applications in Radiology, Denver, CO, Jun 6-9, 1996. (oral)
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- 62) *Strickland RN, Baig LJ, Dallas WJ, **Krupinski EA**. Wavelet-based image enhancement as an instrument for viewing CAD data. International Workshop on Digital Mammography, 10-12 Jun, Chicago, IL, Jun 10-12, 1996. (oral)
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- 63) ***Krupinski EA**. Visual search: mechanisms and issues in radiology. SPIE Medical Imaging, Newport Beach, CA, Feb 22-28, 1997. (oral)
- 64) ***Krupinski EA**. An eye-movement study on the use of CAD information during mammographic search. Far West Image Perception Conference, Tucson, AZ, Oct 16-18, 1997. (oral)
- 65) ***Krupinski EA**, Evanoff M. Influence on interpretation and decision changes made with and without image processing in CR chest radiography. Radiological Society of North America, Chicago, IL, Nov 30-Dec 5, 1997. (poster)
- 66) ***Krupinski EA**, Hopper L. Teleradiology in rural Arizona: user's perspective. SPIE Medical Imaging, Newport Beach, CA, Feb 22-28, 1997. (poster)
- 67) ***Krupinski EA**, Maloney K, Hopper L, Weinstein RS. Evaluation of radiologist performance using telemedicine services. Society for Computer Applications in Radiology, Rochester, MN, Jun 22-25, 1997. (oral)
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73) *Maloney K, Reyna VF, **Krupinski, EA**, Standen JR. Fuzzy trace theory: the development of expertise in radiology. Far West Image Perception Conference, Tucson, AZ, Oct 16-18, 1997. (oral)

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81) *Carlevato N, Lund P, Nisbet J, **Krupinski E**, Daly S. Correlation of surgical and sonographic findings in rotator cuff disease. American Federation for Medical Research Western Regional Meeting, Carmel, CA, Feb 4-7, 1998. (oral)

82) ***Krupinski EA**. The radiologist and automated image analysis. ARC Special Research Workshop on Automated Medical Image Analysis, Ballarat, Australia, Jul 31-Aug 1, 1998. (oral)

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84) ***Krupinski EA**, Evanoff M. Effect of image processing on diagnostic decisions in chest radiography.

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87) *Nodine CF, **Krupinski EA**. Using art images in the scientific study of medical image perception. XV Congress of the International Association of Empirical Aesthetics, Rome, Italy, Sep 21-24, 1998. (oral)

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91) *Gabaeff DR, Trouard TP, Ozgur HT, Theilman RJ, Masaryk AM, Seeger JF, Carmody RF, **Krupinski EA**, Gmitro AF. High resolution diffusion-weighted MRI of stroke. American Society of Neuroradiologists, San Diego, CA, May 22-27, 1999. (oral)

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95) ***Krupinski EA**. Understanding cognition through visual search behaviors. OSA Annual Meeting, Santa Clara, CA, Sep 26-Oct 1, 1999. (oral)

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- 100) ***Krupinski EA**, Lopez AM, Weinstein RS. The Arizona Telemedicine Program: two years experience with a university-based telemedicine program. American Telemedicine Association Meeting, Salt Lake City, UT, April, 18-21, 1999. (oral).
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- 103) *Roberts CC, McDaniel NT, **Krupinski EA**. Oblique reconstruction of cervical spine CT: improved assessment of neural foraminal stenosis? Western Neuroradiological Society Meeting, Honolulu, HI, Oct 13-16, 1999. (oral)
- 104) *Roehrig H, **Krupinski EA**. Observer performance using CRT monitors with different phosphors. SPIE Medical Imaging, San Diego, CA, Feb 20-26, 1999. (oral)
- 105) *Roehrig H, **Krupinski EA**, Furukawa T, Fujioka K. Image quality of a monochrome flat-panel display for application in radiology. Radiological Society of North America, Chicago, IL, Nov 28-Dec 3, 1999. (poster)

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- 106) *Barker G, McNeill KM, **Krupinski EA**, Weinstein R. Delivering continuing medical education over the Arizona Rural Telemedicine network. American Telemedicine Association Meeting, Phoenix, AZ, May 21-24, 2000. (oral)
- 107) ***Krupinski EA**. The importance of perception research in medical imaging. Nippon Medical Image Perception Society 2nd Annual Meeting, Matsuyama, Japan, Jan 28, 2000. (oral)
- 108) ***Krupinski EA**. Workstation evaluation research at the University of Arizona. Toshiba Corporation Engineers Meeting, Tokyo, Japan, Jan 31, 2000. (oral)
- 109) ***Krupinski EA**. Evaluation of the use of a low-cost digital camera for use in telemedicine applications. World Congress of High Tech Medicine, Hanover, Germany, Oct 16-20, 2000. (oral)
- 110) ***Krupinski EA**. Three-years experience with a university-based telemedicine program. World Congress of High Tech Medicine, Hanover, Germany, Oct 16-20, 2000. (oral).
- 111) ***Krupinski EA**. Measuring changes in service in an established telemedicine program. American Telemedicine Association Meeting, Phoenix, AZ, May 21-24, 2000. (oral)
- 112) ***Krupinski EA**. Medical image perception: evaluating the role of experience. IS&T/SPIE Electronic Imaging, San Jose, CA, Jan 23-28, 2000. (oral)
- 113) ***Krupinski EA**. Choosing the right monitor and interface for viewing medical images. 6th Internet World Congress for Biomedical Sciences. Feb 14-25, 2000. (oral)
- 114) ***Krupinski EA**, Berger W, Eryl W. Evaluation of head CT exams - resident and attending diagnoses. SPIE Medical Imaging, San Diego, CA, Feb 12-18, 2000. (oral)
- 115) ***Krupinski EA**, Gonzales M, Gonzales C, Weinstein R. Feasibility study on the use of a digital camera for teleradiology. American Telemedicine Association Meeting, Phoenix, AZ, May 21-24, 2000. (oral)

- 116) ***Krupinski EA**, Roehrig H, Schempp W. Physical and psychophysical evaluation of a new digital specimen radiography system for use in mammography. SPIE Medical Imaging, San Diego, CA, Feb 12-18, 2000. (oral)
- 117) *Lopez AM, **Krupinski EA**, Weinstein RS. Continuing education programs via telemedicine. American Telemedicine Association Meeting, Phoenix, AZ, Phoenix, AZ, May 21-24, 2000. (poster)
- 118) *Lopez AM, **Krupinski EA**, Weinstein RS. Patient satisfaction with telemedicine: the Arizona Telemedicine Program experience. American Telemedicine Association Meeting, Phoenix, AZ, Phoenix, AZ, May 21-24, 2000. (poster)
- 119) *Lopez AM, Lazarus S, **Krupinski EA**, Weinstein RS. Consulting clinician satisfaction with the Arizona Telemedicine Program. American Telemedicine Association Meeting, Phoenix, AZ, Phoenix, AZ, May 21-24, 2000. (poster)
- 120) *Lopez AM, Levine N, Hansen R, Silvis N, **Krupinski EA**, Weinstein RS. Assessment of diagnostic accuracy in the detection of premalignant and malignant skin lesions using a digital camera. American Telemedicine Association Meeting, Phoenix, AZ, May 21-24, 2000. (poster)
- 121) *Lopez AM, Sarantopoulos P, **Krupinski EA**, Dolliver M, Weinstein RS. Evaluation of a home health care unit for blood pressure and pulse recordings. American Telemedicine Association Meeting, Phoenix, AZ, Phoenix, AZ, May 21-24, 2000. (poster)
- 122) *Ozgur HT, Walsh TK, Masaryk A, Seeger JF, Williams W, Labadie E, **Krupinski E**. Correlation of acetazolamide challenged SPECT scan & angiographic perfusion patterns different vascular territories of the brain for cerebral vascular reserve. American Society Neuroradiology, Atlanta, GA, Apr 3-8, 2000. (poster)

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- 123) *Barker G, **Krupinski EA**, Laursen T, Erps K, Weinstein R. Pay per view: the Arizona telemedicine Program's billing results. 6th Annual American Telemedicine Association Meeting, Fort Lauderdale, FL, Jun 3-6, 2001. (oral)
- 124) *Barker G, McEnaney N, Dickerson P, Weinstein R, **Krupinski E**. Improving billing and coding compliance in a clinical practice. Association of American Medical Colleges Group on Business Affairs, New Orleans, LA, Mar 22-24, 2001. (oral)
- 125) *Baskaran V, Pereles FS, Russell EJ, Georganos SA, Shaibani A, Spero KA, **Krupinski EA**, Zhang A, Finn JP. TrueFISP for axial myelographic MR imaging of the cervical spine. 39th Annual Meeting American Society of Neuroradiology, April, Boston, MA, Apr 23-27, 2001. (poster)
- 126) *Ery WK, Alcala JN, Berger W, Ashdown BC, **Krupinski EA**, Carmody RF. Evaluation of emergency head CT scans by general radiologists and residents: do residents meet the community standard? Association of University Radiologists, Toronto, CA, May 16-20, 2001. (oral)
- 127) *Jaffe W, Shaibani A, Spiro K, **Krupinski E**, Russell E, Finn JP. High resolution, contrast enhanced MRA: evaluation of the entire carotid circulation with a single-station acquisition. American Association of Neuroradiology, Boston, MA, Apr 21-27, 2001. (oral)
- 128) ***Krupinski EA**. Preparing slides and posters: some perceptual tips for better presentations. SPIE Medical Imaging, San Diego, CA, Feb 17-22, 2001. (oral)
- 129) ***Krupinski EA**. Telemedicine diagnostic services. State-of-the-Art Telemedicine/Telehealth An International Perspective, Ann Arbor, MI, Aug 23-25, 2001. (oral)
- 130) ***Krupinski EA**. Teleradiology. Western Pacific Conference in Telehealth: Improving Health Care in

Developing Countries Through Telehealth, Bandar Seri Begawan, Brunei, Sep 15-16, 2001. (oral)

131) ***Krupinski EA**. User satisfaction and emotion perception via real-time telemedicine. MIPS IX, Warrenton, VA, Sep 20-23, 2001. (oral)

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135) ***Krupinski EA**, Roehrig H. Choosing the optimal monitor for PACS and teleradiology: the importance of phosphor. Radiological Society of North America, Chicago, IL, Nov 25-30, 2001. (poster)

136) ***Krupinski EA**, Roehrig H. Observer performance comparison using monitors with different phosphors: an ROC study. SPIE Medical Imaging, San Diego, CA, Feb 17-22, 2001. (oral).

137) *Kundel HL, *Berbaum KS, ***Krupinski EA**. Workshop on satisfaction of search. MIPS IX, Warrenton, VA, Sep 20-23, 2001. (oral workshop)

138) *Lopez AM, Lazarus S, Barker G, **Krupinski EA**, Weinstein R. Continuing medical education programs via telemedicine. Society of General Internal Medicine, San Diego, CA, May 2-5, 2001. (oral)

139) *Roehrig H, Hartmann W, Rovinelli R, Capp M, Evanoff M, **Krupinski E**. Set-up and calibration of color cathode ray tube monitors for the purpose of board examinations. Radiological Society of North America, Chicago, IL, Nov 25-30, 2001. (poster/interactive exhibit)

140) *Roehrig H, **Krupinski, EA**. Physical and psychophysical evaluation of a flat CRT monitor. SPIE Medical Imaging, San Diego, CA, Feb 17-22, 2001. (oral)

141) *Walsh JA, Zaetta JM, **Krupinski EA**, Smyth SH. Neutropenia and catheter-related infections in bone marrow transplant patients. Radiological Society of North America, Chicago, IL, Nov 25-30, 2001. (oral)

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143) *Barker G, **Krupinski E**, McNeill K, Schellenberg B, Weinstein RS. Expense comparison of a telemedicine practice versus a traditional clinical practice. 7th Annual American Telemedicine Association, Los Angeles, CA, Jun 2-5, 2002. (oral)

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145) *Johnson JP, **Krupinski EA**, Lubin J, Nafziger J, Wus JP, Roehrig H. Perceptually optimized compression of digital mammograms. SPIE Medical Imaging, San Diego, CA, Feb 23-28, 2002. (oral)

- 146) ***Krupinski EA**. Preparing slides and posters: some perceptual tips for better presentations. SPIE Medical Imaging, San Diego, CA, Feb 23-28, 2002. (oral)
- 147) ***Krupinski EA**. Image perception issues in a soft-copy reading environment workshop: Parameters affecting perception of images on soft-copy displays. Society Computer Applications Radiology, Cleveland, OH, May 2-5, 2002. (oral)
- 148) ***Krupinski EA**. Building successful telemedicine programs workshop: Telemedicine assessment – does it work? 7th Annual American Telemedicine Association, Los Angeles, CA, Jun 2-5, 2002. (oral)
- 149) ***Krupinski EA**. Teleradiology short-course. 7th Annual American Telemedicine Association, Los Angeles, CA, Jun 2-5, 2002. (oral)
- 150) ***Krupinski EA**, Barker G. Lost opportunities for revenue in telemedicine practices? 7th Annual American Telemedicine Association, Los Angeles, CA, Jun 2-5, 2002. (oral)
- 151) ***Krupinski EA**, Johnson J, Roehrig H, Lubin J. Using observer models to predict softcopy performance with digital mammography. 6th International Workshop on Digital Mammography, Bremen, Germany, Jun 22-25, 2002. (oral)
- 152) ***Krupinski EA**, Johnson JP, Roehrig H, Lubin J. Optimizing softcopy mammography displays using a human visual system model: influence of display phosphor. SPIE Medical Imaging, San Diego, CA, Feb 23-28, 2002. (oral).
- 153) ***Krupinski EA**, Lyman T, Barker G, Lopez AM, Weinstein RS. Analysis of reasons for attending or not attending continuing education lectures via telemedicine. 7th Annual American Telemedicine Association, Los Angeles, CA, Jun 2-5, 2002. (oral)
- 154) ***Krupinski EA**, Ovitt T. Image quality and the diagnosis of ARVD/C. SPIE Medical Imaging, San Diego, CA, Feb 23-28, 2002. (oral)
- 155) ***Krupinski EA**, Roehrig H. Soft copy mammography reading: influence of monitor luminance & tone scale. 6th International Workshop on Digital Mammography, Bremen, Germany, Jun 22-25, 2002. (oral)
- 156) ***Krupinski EA**, Roehrig H. Color vs monochrome CRT displays: effect on pulmonary nodule search and detection. 88th Meeting Radiological Society of North America, Chicago, IL, Dec 1-6, 2002. (poster)
- 157) *Lopez AM, **Krupinski EA**, Bohnenkamp S, McDonald P. Homehealth versus homehealth/telehomehealth: an evaluation of oncology patients with ostomies. 7th Annual American Telemedicine Association, Los Angeles, CA, Jun 2-5, 2002. (poster)
- 158) *Moyer AC, Berger W, Erly WK, Gatenby RA, **Krupinski EA**. Radiology resident interpretation of after-hours body CT examinations originating from the emergency department. 88th Meeting Radiological Society of North America, Chicago, IL, Dec 1-6, 2002. (oral).
- 159) *Moyer A, Erly W, Gatenby R, **Krupinski E**. Radiology resident interpretation of after-hours body CT examinations originating from the emergency department. American Society of Emergency Radiology, Orlando, FL, Mar 16-20, 2002. (oral)
- 160) *Pereles FS, Carr JC, Collins JD, Baskaran V, McCarthy RM, **Krupinski EA**, Finn JP. Accuracy of a rapid non-contrast MR examination of the thoracic aorta with only true fast imaging with steady-state precession. International Society for Magnetic Resonance in Medicine, May, Honolulu, HI, May 18-24, 2002. (oral)
- 161) *Pereles FS, Carr JC, Collins JD, McCarthy RM, **Krupinski EA**, Finn JP. Rapid MR evaluation of aortic disease. 14th Annual International Workshop on MRA. Essen, Germany, Oct 15-17, 2002. (oral)

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166) *Taljanovic MS, Hunter TB, Fitzpatrick KA, **Krupinski EA**. Importance of standard radiography in evaluation of musculoskeletal magnetic resonance imaging. American Roentgen Ray Society, Atlanta, GA, Apr28-May 3, 2002. (oral)

167) *Waslewski G, Lund PJ, Chilvers M, Taljanovic MS, **Krupinski EA**, Stark R, Takeo S, Grana WA. MRI evaluation of the ulnar collateral ligament of the elbow in asymptomatic professional baseball players. Annual Meeting Orthopedic Society for Sports Medicine, Orlando, FL, Jun 30-Jul 3, 2002. (oral)

168) *Weinstein RS, **Krupinski EA**. Arizona Telemedicine Program. 7th American Telemedicine Association Meeting, Los Angeles, CA, June 2-5, 2002. (oral)

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169) *Barker G, Kerr RA, **Krupinski EA**, Weinstein RS. A study of the rural health care division program. 8th American Telemedicine Association Meeting, Orlando, FL, Apr 27-30, 2003. (oral)

170) *Barker G, Kerr RA, McNeill K, **Krupinski E**, Weinstein RS. Travel trends in the Arizona Telemedicine Program. 8th American Telemedicine Association Meeting, Orlando, FL, Apr 27-30, 2003. (oral)

171) *Fan J, Dallas WJ, Roehrig H, **Krupinski EA**. Improving visualization of digital mammograms on the CRT display system. SPIE Medical Imaging, San Diego, CA, Feb 15-20, 2003. (oral)

172) *Haupt ME, Fieno D, Dibs S, Carr JC, **Krupinski E**, Fasanatti C, Leloudas N, Pereles FS. Rapid MR determination of cardiac output by a single breath-held aortic flow quantification: correlation with standard left ventricular contouring technique. 15th International MR Angio Club Meeting, Dublin, Ireland, Sep 16-18, 2003. (oral)

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174) *Johnson J, Nafziger J, **Krupinski EA**, Lubin J, Roehrig H. (2003). Window/level parameter impact on lesion detectability. Medical Image Perception Society X, Durham, NC, Sep 11-14, 2003. (oral)

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- 177) ***Krupinski EA**. Telemedicine assessment – does it work? 8th American Telemedicine Association Meeting, Orlando, FL, Apr 27-30, 2003. (oral)
- 178) ***Krupinski EA**. Medical image perception: diagnostic accuracy using digital displays. Council for Optical Radiation Measurements. Menlo Park, CA, Jun 18-20, 2003. (oral)
- 179) ***Krupinski EA**. CAD with an eye towards the radiologist. American Association for Physicists in Medicine, San Diego, CA, Aug 10-14, 2003. (oral)
- 180) ***Krupinski EA**. Perceptual issues in viewing medical images. Optical Society of America Frontiers in Optics/Laser Science XIX, Tucson, AZ, Oct 5-9, 2003. (oral)
- 181) ***Krupinski EA**, Barker G, Engstrom M, Levine N, Weinstein R. Challenges in assessing outcomes in teledermatology. 8th American Telemedicine Association Meeting, Orlando, FL, Apr 27-30, 2003. (oral)
- 182) ***Krupinski EA**, Barker, Levine N, Weinstein R. Patterns of teledermatology referrals over a 3-year period. 8th American Telemedicine Association Meeting, Orlando, FL, Apr 27-30, 2003. (oral)
- 183) ***Krupinski EA**, Barker G, Weinstein R. Quality control assessment in telemedicine. 8th American Telemedicine Association Meeting, Orlando, FL, Apr 27-30, 2003. (oral)
- 184) ***Krupinski EA**, Berger W, Dallas W, Roehrig H. Pulmonary nodule search – what attracts attention? Medical Image Perception Society X, Durham, NC, Sep 11-14, 2003. (oral)
- 185) ***Krupinski EA**, Johnson J, Roehrig H, Lubin J, Engstrom M. (2003). Human vision model to predict observer performance: detection of microcalcifications as a function of monitor phosphor. SPIE Medical Imaging, San Diego, CA, Feb 15-20, 2003. (oral)
- 186) ***Krupinski EA**, Johnson J, Roehrig H, Lubin J, Nafziger J. Use of a vision model for predicting performance in radiology tasks. Medical Image Perception Society X, Durham, NC, Sep 11-14, 2003. (oral)
- 187) ***Krupinski EA**, McNeill K, Haber K, Ovitt T. Radiologist satisfaction in a high volume teleradiology service. 8th American Telemedicine Association Meeting, Orlando, FL, Apr 27-30, 2003. (oral)
- 188) ***Krupinski EA**, McNeill K, Haber K, Ovitt T. High volume teleradiology service: focus on radiologist satisfaction. SCAR 2003 Annual Meeting, Boston, MA, Jun 7-10, 2003. (oral)
- 189) ***Krupinski EA**, Roehrig H, Berger W. Pulmonary nodule detection – what features attract visual attention? Radiological Society of North America, Chicago, IL, Nov 30-Dec 5, 2003. (poster)
- 190) ***Krupinski EA**, Roehrig H, Engstrom M, Johnson J, Lubin J. MTF correction for optimizing softcopy display of digital mammograms: use of a vision model for predicting observer performance. SPIE Medical Imaging, San Diego, CA, Feb 15-20, 2003. (oral)
- 191) *Nodine CF, **Krupinski EA**. How do viewers look at art? American Psychological Association Annual Meeting, Toronto, Canada, Aug 7-10, 2003. (oral)
- 192) *Roehrig H, Chawla A, **Krupinski E**, Fan J, Gandhi K. Why should you calibrate your display? SPIE Annual Meeting, San Diego, CA, Aug 3-8, 2003. (oral)
- 193) *Roehrig H, Fan J, **Krupinski EA**, Gandhi K. LCDs versus CRTs in medical imaging applications. High Information Content Display Symposium, Arlington, VA, Oct 7-8, 2003. (oral)
- 194) *Roehrig H, Fan J, **Krupinski EA**, Gandhi K. Medical images & display requirements. High Information Content Display Symposium, Arlington, VA, Oct 7-8, 2003. (oral)

- 195) *Roehrig H, **Krupinski EA**, Chawla AS, Fan JH, Gandhi K. Spatial noise and threshold contrasts in LCD displays. SPIE Medical Imaging, San Diego, CA, Feb 15-20, 2003. (oral)
- 196) *Roehrig H, **Krupinski EA**, Chawla AS, Fan J, Gandhi K. Display noise in LCDs for medical applications. Radiological Society of North America, Chicago, IL, Nov 30-Dec 5, 2003. (poster)
- 197) *Roehrig H, **Krupinski EA**, Fan J, Chawla A, Gandhi K. Image quality of LCD displays for medical imaging. Council for Optical Radiation Measurement, Menlo Park, CA, 18-20 Jun 18-20, 2003. (oral)
- 198) *Roehrig H, **Krupinski E**, Fan JH, Gandhi K, Chawla A. Noise of LCD display systems. 17th International Congress Computer Assisted Radiology & Surgery, London, England, Jun 25-28, 2003. (oral)
- 199) *Steinway ML, Taljanovic MS, Hunter TB, **Krupinski EA**, Grana WA. Rings and things on upper extremity radiographs of emergency patients. Clinical Research Health Services Research, Baltimore, MD, Mar 14, 2003. (oral)
- 200) *Taljanovic MS, Hunter TB, **Krupinski EA**, Alcalá JN, Ovitt TW. Academic radiology: reasons to stay or leave. Association of University Radiologists, Miami Beach, FL, Apr 9-12, 2003. (oral)

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- 201) *Chicoskie C, Wu E, **Krupinski E**, Pereles, FS. Using a T1 scout sequence for correlation with standard turbo-flash cardiac viability sequences: effect on reader confidence. 7th Annual Society for Cardiovascular Magnetic Resonance Meeting, Barcelona, Spain, Feb 13-15, 2004. (oral)
- 202) *Dallas WJ, Fan J, Roehrig H, **Krupinski EA**. Error diffusion applied to the manipulation of liquid crystal display sub-pixels. SPIE Medical Imaging Conference, San Diego, CA, Feb 14-19, 2004. (oral)
- 203) *Erly WK, Oh ES, Outwater EK, **Krupinski E**, Seeger J. In-phase gradient and opposed-phase gradient echo MR imaging of spinal compression fractures. American Roentgen Ray Society Meeting, Miami Beach, FL, May 2-7, 2004. (oral)
- 204) *Fan J, Dallas WJ, Roehrig H, Gandhi K, **Krupinski E**. Spatial noise of high-resolution liquid-crystal displays for medical imaging: quantitative analysis, estimation and compensation. SPIE Medical Imaging Conference, San Diego, CA, Feb 14-19, 2004. (poster)
- 205) *Haupt ME, Fieno D, Dibs S, Carr JC, **Krupinski E**, Fasanati C, Leloudas N, Pereles FS. Rapid MR determination of cardiac output by a single breath-hold aortic flow quantification: correlation with left ventricular contouring technique. 7th Annual Society for Cardiovascular Magnetic Resonance Meeting, Barcelona, Spain, Feb 13-15, 2004. (oral)
- 206) *Johnson J, Nafziger J, Lubin J, **Krupinski EA**, Roehrig H. Human visual system model for selecting the optimal display. 18th International Computer Assisted Radiology & Surgery Conference, Chicago, IL, Jun 23-26, 2004. (oral)
- 207) ***Krupinski EA**, *Chakraborty DP. Statistical methods in medical imaging and bioengineering with applications to observer performance evaluation. SPIE Medical Imaging Conference Short Course, San Diego, CA, Feb 14-19, 2004. (oral workshop)
- 208) ***Krupinski EA**, Atkins S, Griffin B. Radiologists interpretation of medical images: eye-tracking reveals how they do it. SPIE Medical Imaging Conference, San Diego, CA, Feb 14-19, 2004. (oral)
- 209) ***Krupinski EA**. Optimizing the man/machine interface: visual perception issues with medical images. SCAR 2004 Annual Meeting, Vancouver, Canada, May 20-23, 2004. (oral)
- 230) ***Krupinski EA**. What engineers & IT professionals need to know about radiology: eye-tracking data as

an indicator of the interpretation process. SCAR 2004 Annual Meeting, Vancouver, Canada, May 20-23, 2004. (oral)

231) ***Krupinski EA**. Can off-the-shelf color monitors be used in teleradiology? American Telemedicine Association Annual Meeting, Tampa, FL, May 1-5, 2004. (oral)

232) ***Krupinski EA**. Teledermatology models: store-forward teledermatology at the University of Arizona. American Telemedicine Association Annual Meeting, Tampa, FL, May 1-5, 2004. (oral)

233) ***Krupinski EA**. Telemedicine consultations: failed cases and floundering specialties. Successes & failures in Telehealth, Brisbane, Australia, Jul 22-23, 2004. (oral)

234) ***Krupinski EA**, Barker G, Lopez AM, Weinstein RS. An analysis of unsuccessful telemedicine consultations. American Telemedicine Association Annual Meeting, Tampa, FL, May 1-5, 2004. (oral)

235) ***Krupinski EA**, Berger W, Dallas W, Roehrig H. Pulmonary nodule detection: what features attract attention? SPIE Medical Imaging Conference, San Diego, CA, Feb 14-19, 2004. (oral)

236) ***Krupinski EA**, Johnson J, Roehrig H, Nafziger J, Fan J, Lubin J. Use of a human visual system model to predict effects of display veiling glare on observer performance. SPIE Medical Imaging Conference, San Diego, CA, Feb 14-19, 2004. (oral)

237) ***Krupinski EA**, Johnson J, Roehrig H, Nafziger J, Lubin J. (2004). Observer performance evaluation of CT and LCD monitors with on-axis & off-axis viewing compared with predictions from a human visual system model. 90th Annual Radiological Society of North America Conference, Chicago, IL, Nov 28-Dec 3, 2004. (poster)

238) ***Krupinski EA**, Johnson J, Roehrig H, Lubin J, Nafziger J. Improving image visualization using an MTF-compensation tool for digital displays. SCAR 2004 Annual Meeting, Vancouver, Canada, May 20-23, 2004. (oral)

239) *Pereles FS, Collins JD, Song GK, Singh A, Carr JC, Holly T, **Krupinski E**. MR short axis ellipticity index: a reliable indicator of constrictive pericardial disease. 7th Annual Society for Cardiovascular Magnetic Resonance Meeting, Barcelona, Spain, Feb 13-15, 2004. (oral)

240) *Pereles FS, Hammelman B, Grouper S, Collins JD, Omary RA, Vasireddy S, Baskaran V, Song GK, Zachariah AB, McCarthy RM, **Krupinski E**, Finn JP. The efficacy of an MR compatible automated power injection system for intravenous gadolinium contrast injections. 11th Scientific Meeting of the Magnetic Resonance in Medicine, Toronto, Canada, Jul 10-16, 2004. (oral)

241) *Pereles F, Salanitri G, Holly T, **Krupinski E**, Zhang A, Chung Y. Myocardial viability revisited. 32nd Annual Meeting & Scientific Sessions of NASCI, Amelia Island, FL, Oct 2-5, 2004. (oral)

242) *Roehrig H, **Krupinski E**, Fan J. Medical images & requirements for their display. SID 1st America's Display Engineering & Applications Conference, Ft. Worth, TX, Oct 25-27, 2004. (oral)

243) *Roehrig H, **Krupinski EA**, Fan J, Chawla A, Gandhi K. Physical and psychophysical evaluation of LCD noise. 18th International Computer Assisted Radiology & Surgery Conference, Chicago, IL, Jun 23-26, 2004. (oral)

244) *Rosen LA, *Vokes TJ, ***Krupinski EA**. (2004). NIH Grantsmanship Workshop. 90th Annual Radiological Society of North America Conference, Chicago, IL, Nov 28-Dec 3, 2004. (oral panel)

245) *Salanitri G, Holly T, **Krupinski E**, Carr JC, Zhang A, Chung Y, Pereles FS. Comparison of snapshot and 3D viability techniques with conventional 2D inversion recovery gradient echo techniques for viability assessment. 7th Annual Society for Cardiovascular Magnetic Resonance Meeting, Barcelona, Spain, Feb 13-

15, 2004. (oral)

246) *Samei E, ***Krupinski EA**, *Freedman MT, *Kundel HL, *Beam CA, *Jacobson FL. (2004). Image perception should we believe our eyes? 90th Annual Radiological Society of North America Conference, Nov 28-Dec 3, Chicago, IL. (oral panel)

247) *Taljanovic MS, Benjamin JB, Gmitro AF, Graham AR, **Krupinski EA**, Hunter TB, Resnick DL. Bone marrow edema in hip osteoarthritis: quantitative assessment with magnetic resonance imaging and correlation with clinical exam, radiographic findings and histopathology. Society of Skeletal Radiology Annual Meeting, Tucson, AZ, Mar 7-10, 2004. (oral)

248) *Taljanovic MS, Benjamin JB, Gmitro AF, Graham AR, **Krupinski EA**, Hunter TB, Resnick DL. (2004). Bone marrow edema in hip osteoarthritis: quantitative assessment with magnetic resonance imaging and correlation with clinical exam, radiographic findings and histopathology. 90th Annual Radiological Society of North America Conference, Chicago, IL, Nov 28-Dec 3, 2004. (oral)

249) *Taljanovic MS, Benjamin JB, Gmitro AF, Graham AR, **Krupinski EA**, Hunter TB, Resnick DL. (2004). Bone marrow edema in hip osteoarthritis: quantitative assessment with magnetic resonance imaging and correlation with clinical exam, radiographic findings and histopathology. 104th Annual Meeting American Roentgen Ray Society, Miami Beach, FL, May 2-7, 2004. (oral)

250) *Tsai J, Walker MT, Parrish T, Shaibani A, Tzung B, **Krupinski E**, Russell EJ. MR angiographic evaluation of platinum coil packs at 1.5 and 3.0 T: an in vitro assessment of artifact production. American Society of Neuroradiology, June 5-11, Seattle, WA, Jun 5-11, 2004. (oral)

251) *Tsai J, Walker MT, Parrish T, Shaibani A, Tzung B, **Krupinski E**, Russell EJ. Titanium vs non-titanium aneurysm clips at 1.5 and 3.0 T and the effects of decreasing the echo time: an in vitro assessment toward non-invasive imaging of the post-clip aneurysm patient. American Society of Neuroradiology, Seattle, WA, Jun 5-11, 2004. (oral).

252) *Tzung BS, Walker MT, Tsai J, Futterer SF, Curtin K, Shaibani A, Bendok B, **Krupinski E**, Russell EJ. CT angiography vs digital subtraction angiography in the assessment of residual aneurysm after open surgical clipping. American Society of Neuroradiology, Seattle, WA, Jun 5-11, 2004. (oral)

253) *Weinstein RS, Barker G, Beinar S, Hughes A, Holcomb M, **Krupinski EA**, Lopez AM, McNeely RA. (2004). Planning a state-wide telemedicine program. The concept of authority management. American Telemedicine Association Annual Meeting, Tampa, FL, May 1-5, 2004. (oral)

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254) *Barker G, **Krupinski EA**, Hooven S, Tabbaa K, Lopez AM, Tretschok T, Weinstein RS. Comparison of telepain and in-person pain clinic encounters. American Telemedicine Association Annual Meeting, Denver, CO, Apr 17-20, 2005. (oral)

255) *Beam CA, Conant EA, Kundel HL, Sickles E, **Krupinski EA**. (2005). Interpreting the ROC curve from the radiologist's point of view: the diagnostician operating choice (DOC) curve. SPIE Medical Imaging Conference, San Diego, CA, Feb 13-17, 2005. (oral)

256) *Fan J, Roehrig H, Sundareshan MK, Dallas WJ, **Krupinski EA**. Increasing contrast resolution and decreasing spatial noise for liquid crystal displays using digital dithering. SPIE Medical Imaging Conference, San Diego, CA, Feb 13-17, 2005. (oral)

257) *Gandhi KA, Fan J, Roehrig H, Sundareshan MK, **Krupinski EA**. The effect of spatial noise of LCD displays on the detection capabilities of the human observer. SPIE Medical Imaging Conference, San Diego, CA, Feb 13-17, 2005. (oral)

- 258) *Johnson J, Nafziger J, **Krupinski EA**, Roehrig H. Vision-based model observers for softcopy display evaluation. Medical Image Perception Society XI, Windermere, England, Sep 27-30, 2005. (oral)
- 259) *Johnson JP, Lubin J, Nafziger J, **Krupinski EA**, Roehrig H. Channelized model observer using a visual discrimination model. SPIE Medical Imaging Conference, San Diego, CA, Feb 13-17, 2005. (oral)
- 260) ***Krupinski EA**. Outcomes Measurement: Lessons From the Field. Methodology Considerations. Office for the Advancement of Telehealth Annual Grantees Meeting, Arlington, VA, Jan 29-Feb 2, 2005. (oral)
- 261) ***Krupinski EA**. Human perception. 1st Annual TRIP Conference and Workshop, Bethesda, MD, Jan 13-Feb 1, 2005. (oral)
- 262) ***Krupinski EA**. Image perception in practice and research. Association of University Radiologists, Montreal, Canada, May 4-7, 2005. (oral)
- 263) ***Krupinski EA**. (2005). Image perception basics. Society for Computer Applications in Radiology, Orlando, FL, Jun 2-5, 2005. (oral)
- 264) ***Krupinski EA**. Image interpretation aids. Society for Computer Applications in Radiology, Orlando, FL, Jun 2-5, 2005. (oral)
- 265) ***Krupinski EA**. Image quality perspectives: human perception. Society for Computer Applications in Radiology, Orlando, FL, Jun 2-5, 2005. (oral)
- 266) ***Krupinski EA**. Display issues in digital mammography. Society for Computer Applications in Radiology, Orlando, FL, Jun 2-5, 2005. (oral)
- 267) ***Krupinski EA**. (2005). Early career professional development in medical imaging. SPIE Medical Imaging Conference, 12-16 February, San Diego, CA. (oral)
- 268) ***Krupinski EA**. On and off axis viewing of medical images with CRT and LCD monitors. American Telemedicine Association Annual Meeting, Denver, CO, Apr 17-20, 2005. (poster)
- 269) ***Krupinski EA**. Responding to the SCAR TRIP Initiative Challenge. Medical Image Perception Society XI, Windermere, England, Sep 27-30, 2005. (oral)
- 270) ***Krupinski EA**. Potential for eye-position guided zoom when viewing virtual pathology slides. Medical Image Perception Society XI, Windermere, England, Sep 27-30, 2005. (oral)
- 271) ***Krupinski EA**, *Chakraborty DP. Statistical methods in medical imaging and bioengineering with applications to observer performance evaluation. SPIE Medical Imaging Conference Short Course, San Diego, CA, Feb 13-17, 2005. (oral workshop)
- 272) ***Krupinski EA**, *Grigsby J, *Wootton R, *Nelson EL, *Jennett P, *Whitten P. The telemedicine research field: a rigorous debate on the opportunities and challenges. American Telemedicine Association Annual Meeting, Denver, CO, Apr 17-20, 2005. (oral panel)
- 273) ***Krupinski EA**, Johnson J, Roehrig H, Lubin J, Nafziger J. Model prediction of just noticeable differences: are the eyes attracted to the same place? SPIE Medical Imaging Conference, San Diego, CA, Feb 13-17, 2005. (poster)
- 274) ***Krupinski EA**, Johnson J, Roehrig H, Nafziger J, Lubin J. Viewing images on and off axis with CRT and LCD monitors: effects on observer and model performance. SPIE Medical Imaging Conference, San Diego, CA, Feb 13-17, 2005. (oral)
- 275) ***Krupinski EA**, Johnson J, Roehrig H, Nafziger J, Lubin J. On and off axis viewing of images with CRT

and LCD monitors: observer and model performance. Society for Computer Applications in Radiology, Orlando, FL, Jun 2-5, 2005. (oral)

276) ***Krupinski EA**, McNeely RA, Holcomb M, Barker G, Weinstein RS. Telemedicine as the foundation for a statewide “network of networks” – evaluation of network activities. American Telemedicine Association Annual Meeting, Denver, CO, Apr 17-20, 2005. (poster)

277) ***Krupinski EA**, Roehrig H, Dallas WJ, Fan J. Compensating for display deficiencies when displaying softcopy mammograms. SPIE Medical Imaging Conference, San Diego, CA, Feb 13-17, 2005. (poster)

278) ***Krupinski EA**, Samei E, Eckstein M. Advances in Perception & Visualization. American Assn of Physicists in Medicine Annual Meeting, Seattle, WA, Jul 24-28, 2005. (oral)

279) *Lamb GS, **Krupinski EA**, McNeely RA, Lopez AM, Weinstein RS. Interdisciplinary training in telemedicine. American Telemedicine Association Annual Meeting, Denver, CO, Apr 17-20, 2005. (oral)

280) *Lopez AM, Zazworsky D, Gallegos G, Dougherty-Lake J, **Krupinski EA**, Major J, McNeely RA, Weinstein RS. Measuring the effect of diabetes telehealth learning activities on K-12 students. American Telemedicine Association Annual Meeting, Denver, CO, Apr 17-20, 2005. (poster)

281) *Manning D, ***Krupinski EA**. Experience, expertise and performance in chest interpretation. British Institute of Radiology Recent Advances in Radiographer Reporting, London, England, Oct 14, 2005. (oral panel)

282) *McClosky T, *Antoniotti NM, ***Krupinski EA**. (2005). Telehealth evaluation: where have we been, where are we now, and where are we going. American Telemedicine Association Annual Meeting, Denver, CO, Apr 17-20, 2005. (oral)

283) *Roehrig H, Fan J, **Krupinski EA**, Gandhi K. Image quality evaluation of digital displays in the PACS environment. XV Congreso Nacional de Fisica Medica Pamplona 2005, Pamplona, Spain, Jun 28-Jul 1, 2005. (oral)

284) *Roehrig H, **Krupinski EA**, Fan J, Gandhi K. Display research at the University of Arizona. EIZO Corporation Special Seminar Display Division, Kanazawa, Japan. April 15, 2005. (oral)

285) *Roehrig H, **Krupinski EA**, Fan J, Gandhi K. Display research at the University of Arizona. Siemens Corporation Display Division Special Seminar, Karlsruhe, Germany, 20 June, 2005. (oral)

286) *Roehrig H, Gandhi K, Fan J, **Krupinski E**. Detection of spatial noise of LCD displays by the human observer. Computer Assisted Radiology & Surgery, Berlin, Germany, Jun 22-25, 2005. (oral)

287) *Roehrig H, **Krupinski EA**, Fan J, Gandhi K. Medical imaging and the performance of softcopy displays. Annual Meeting of the Society for Information Display, Boston, MA, May 24, 2005. (oral)

288) *Roehrig H, **Krupinski EA**, Fan J, Hasegawa M. Physical and psychophysical evaluation of 8-bit versus 11-bit softcopy displays. SPIE Medical Imaging Conference, San Diego, CA, Feb 13-17, 2005. (oral)

289) *Taljanovic M, Hunter TB, **Krupinski EA**, Erly WK, Ovitt TW. General attending radiologist on call & late evening duties. Association of University Radiologists, Montreal, Canada, May 4-7, 2005. (oral)

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290) *Barker GP, **Krupinski EA**, Lopez AM, Johnson NE, Weinstein RS. Study of one-time telemedicine encounters by diagnosis. 11th Annual Meeting American Telemedicine Association, San Diego, CA, May 7-10, 2006. (oral)

- 291) *Barker GP, Lopez AM, Bhattacharyya AK, Scott KM, Descour MR, Richter LC, Davenport JM, **Krupinski EA**, Weinstein RS. Telepathology rapid process breast clinic. 11th Annual Meeting American Telemedicine Association, San Diego, CA, May 7-10, 2006. (oral)
- 292) *Fan J, Roehrig H, Sundareshan MK, **Krupinski EA**. Optimizing the image contrast on the softcopy liquid crystal display using error diffusion. SPIE Medical Imaging Conference, San Diego, CA, Feb 12-16, 2006. (oral)
- 293) ***Krupinski EA**. Image perception in practice and research. Association of University Radiologists 54th Annual Meeting, Austin, TX, Apr 5-8, 2006. (oral)
- 294) ***Krupinski EA**. Clinical aspects of image impression: visually lossless and diagnostically lossless. Society for Computer Applications in Radiology, Austin, TX, Apr 27-30, 2006. (oral)
- 295) ***Krupinski EA**. Optimizing perception in the digital reading room. Society for Computer Applications in Radiology, Austin, TX, Apr 27-30, 2006. (oral)
- 296) ***Krupinski EA**. The people make the difference: human factors in telemedicine: application of research. 11th Annual Meeting American Telemedicine Association, San Diego, CA, May 7-10, 2006. (oral)
- 297) ***Krupinski EA**. Telemedicine research: updates & debates: teleradiology/telepathology. 11th Annual Meeting American Telemedicine Association, San Diego, CA, May 7-10, 2006. (oral)
- 298) ***Krupinski EA**. A short history of image perception in radiology. RSNA Mini-Course "From Image to Decision: Science & Technology for Effective Interpretation: Why Study Perception?" Radiological Society of North America Annual Meeting, Chicago, IL, Nov 26 – Dec 1, 2006. (oral)
- 299) ***Krupinski EA**. Perceptual & cognitive factors in reading medical images. RSNA Mini-Course "From Image to Decision: Science & Technology for Effective Interpretation: Why Study Perception?" Radiological Society of North America Annual Meeting, Chicago, IL, Nov 26 – Dec 1, 2006. (oral)
- 300) ***Krupinski EA**. Improving access to mammography in rural areas. 8th International Workshop on Digital Mammography. Manchester, England, Jun 18-21, 2006. (oral)
- 301) ***Krupinski EA**, Barker GP, Weinstein RS. Telemedicine champions – fact or fiction? 11th Annual Meeting American Telemedicine Association, San Diego, CA, May 7-10, 2006. (oral)
- 302) ***Krupinski EA**, Lubin J, Roehrig H, Johnson J, Nafziger J. Assessment of the influence of display veiling glare on observer & model performance. SPIE Medical Imaging Conference, San Diego, CA, Feb 12-16, 2006. (oral)
- 303) ***Krupinski EA**, Mancilla R, Sewell P, Steiner E, Widlus D. Value of image motion in detecting stenoses. Society for Computer Applications in Radiology, Austin, TX, Apr 27-30, 2006. (oral)
- 304) ***Krupinski EA**, Roehrig H, Berger W, Dalal S, Stanton D. Potential use of a large-screen display for interpreting radiographic images. SPIE Medical Imaging Conference, San Diego, CA, Feb 12-16, 2006. (oral)
- 305) ***Krupinski EA**, Roehrig H, Berger W, Dalal S, Stanton D. Evaluation of a large-screen display for teleradiology. 11th Annual Meeting American Telemedicine Association, San Diego, CA, May 7-10, 2006. (oral)
- 306) ***Krupinski EA**, Roehrig H, Fan J. (2006). Does display bit-depth influence observer performance? 48th Annual American Association for Physicists in Medicine, Orlando, FL, Jul 30-Aug 3, 2006. (oral)
- 307) ***Krupinski EA**, Tillack A, Richter L, Weinstein RS. Characterizing zooming patterns with telepathology digital whole (virtual) slides. 11th Annual Meeting American Telemedicine Association, San Diego, CA, May

7-10, 2006. (oral)

308) *Li HK, Esquivel A, Davis GH, **Krupinski EA**. Evaluation of digital resolution for viewing diabetic retinopathy microaneurysms. Association for Research in Vision and Ophthalmology, Ft. Lauderdale, FL, Apr 30-May 4, 2006. (oral)

309) *Li HK, Esquivel A, **Krupinski EA**, Xu X, Li B. Evaluation of diagnostic resolution of diabetic retinopathy microaneurysm for teleophthalmology. 11th Annual Meeting American Telemedicine Association, 7 – 10 May, San Diego, CA, May 7-10, 2006. (oral)

310) *Lopez AM, Howerter AL, Barker GP, Bhattacharyya AK, Scott KM, Descour MR, Richter LC, Davenport JM, **Krupinski EA**, Weinstein RS. Ultra rapid clinic in breast health care. 11th Annual Meeting American Telemedicine Association, San Diego, CA, May 7-10, 2006. (oral)

311) *Roehrig H, Fan J, Gandhi KA, **Krupinski EA**. Physical study of the spatial noise of several medical LCDs. SPIE Medical Imaging Conference, San Diego, CA, Feb 12-16, 2006. (oral)

312) *Rosen L, *Boone J, ***Krupinski E**, *Fagaly R. (The grants process at NIH. SPIE Medical Imaging Conference, San Diego, CA, Feb 12-16, 2006. (oral panel)

313) *Taljanovic MS, Hunter TB, **Krupinski EA**, Naples JC, Stubbs AY. Quality of residents' radiology reports. Association of University Radiologists 54th Annual Meeting, Austin, TX, Apr 5-8, 2006. (oral)

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314) *Barker GP, **Krupinski EA**, Beinar S. Arizona Telemedicine Program: Successful Business Models: The Best of 2007. American Telemedicine Association First Annual Mid-Year Meeting. Las Vegas, NV, Sep 17-18, 2007. (oral)

315) *Brooks WJ, **Krupinski EA**, Hawes MC. Reversal during adulthood of Cobb angle in pediatric onset idiopathic scoliosis in response to physical methods. 4th International Conference on Conservative Management of Spinal Deformities. Boston, MA, May, 13-16, 2007. (oral)

316) *Fan J, Roehrig H, **Krupinski EA**. Characterization of color-related properties of displays for medical applications. SPIE Medical Imaging Conference, San Diego, CA, Feb 17-22, 2007. (oral)

317) ***Krupinski EA**. Early career professional development in medical imaging. SPIE Medical Imaging Conference, San Diego, CA, Feb 17-22, 2007. (oral)

318) ***Krupinski EA**. A short history of image perception in radiology. RSNA Mini-Course "From Image to Decision: Science & Technology for Effective Interpretation: Why Study Perception?" Radiological Society of North America Annual Meeting, Chicago, IL, Nov 25 – 30, 2007. (oral)

319) ***Krupinski EA**. Perceptual & cognitive factors in reading medical images. RSNA Mini-Course "From Image to Decision: Science & Technology for Effective Interpretation: Why Study Perception?" Radiological Society of North America Annual Meeting, Chicago, IL, Nov 25 – 30, 2007. (oral)

320) ***Krupinski EA**. Recording eye-position of residents during simulated contrast reactions. Medical Image Perception Society XII conference. Iowa City, IA, Oct 18-20, 2007. (oral)

321) ***Krupinski EA**, Barker GP, Levine N, Lopez AM, Weinstein RS. 10-year analysis of teledermatology cases at an academic medical center. 12th Annual American Telemedicine Association Meeting, Nashville, TN, May 13-15, 2007. (poster)

322) ***Krupinski EA**, Becker GJ, Lasakovits D, Evanoff M. How critical is computer display resolution? American Board of Medical Specialties Meeting, Chicago, IL, Sep 15-16, 2007. (poster)

- 323) ***Krupinski EA**, Berger WG, Patel B, Becker GJ, Gatenby RA, Hamilton A, Knapp A. Assessing radiology resident preparedness to manage IV contrast reactions using simulator technology. Radiological Society of North America 93rd Meeting, Chicago, IL, Nov 25-30. (oral)
- 324) ***Krupinski EA**, *Bulik B, *Katzenstein J, *Demiris G, *Charness N. Human factors in telemedicine. 12th Annual American Telemedicine Association Meeting, Nashville, TN, May 13-15, 2007. (oral panel)
- 325) ***Krupinski EA**, *Chakraborty D. Statistical methods in medical imaging and bioengineering with applications to observer performance evaluation. SPIE Medical Imaging Conference, San Diego, CA, Feb 17-22, 2007. (oral workshop)
- 326) ***Krupinski EA**, Roehrig H, Fan J. Do aging displays impact observer performance and visual search? SPIE Medical Imaging Conference, San Diego, CA, Feb 17-22, 2007. (poster)
- 327) ***Krupinski EA**, Roehrig H, Fan J. All-purpose telemedicine displays: can we use color for teleradiology? 12th Annual American Telemedicine Association Meeting, Nashville, TN, May 13-15, 2007. (oral)
- 328) ***Krupinski EA**, Roehrig H, Fan J. Influence of 8-bit vs 11-bit digital medical displays on observer performance and visual search. Society for Information Display International Symposium, Seminar & Exhibition, Long Beach, CA, May 20-25, 2007. (oral)
- 329) ***Krupinski EA**, Roehrig H, Fan J, Yoneda T. High-luminance monochrome vs low-luminance monochrome and color softcopy displays: observer performance and visual search efficiency. SPIE Medical Imaging Conference, San Diego, CA, (poster)
- 330) ***Krupinski EA**, Siddiqui KM, Siegel EL, Shrestha R, Grant EG, Roehrig H, Fan J. A multicenter study on the influence of 8-bit vs 11-bit displays. SPIE Medical Imaging Conference, 17-22 Feb, San Diego, CA, Feb 17-22, 2007. (oral)
- 331) ***Krupinski EA**, Tillack A, Richter L, Henderson J, Bhattacharyya A, Scott K, Graham A, Descour M, Davis J, Weinstein R. Using virtual telepathology technology to train pathology residents. 12th Annual American Telemedicine Association Meeting, Nashville, TN, May 13-15, 2007. (oral)
- 332) *Kundel HL, Nodine CF, **Krupinski EA**, Mello-Thoms C. Using gaze-tracking data and mixture distribution analysis to support a holistic model for the detection of cancers on mammograms. Medical Image Perception Society XII Conference. Iowa City, IA, Oct 18-20, 2007. (oral)
- 333) *Li HK, Florez JF, **Krupinski EA**. (2007). Effect of digital image resolution and display mode on visibility of diabetic retinopathy microaneurysm. 12th Annual American Telemedicine Association Meeting, 13-15 May, Nashville, TN.
- 334) *Lopez AM, Chavez CL, **Krupinski E**, Weinstein R. Assessing the decision to utilize telemedicine: the referring clinician's perspective. 12th Annual American Telemedicine Association Meeting, Nashville, TN, May 13-15, 2007. (poster)
- 335) *McNeely RA, Major J, Woodruff S, Parker L, Robinson C, Zazworsky D, **Krupinski EA**, Lopez AM, Weinstein RS. Utilizing a rural broadband wi-fi network for diabetes telemedicine services. 12th Annual American Telemedicine Association Meeting, Nashville, TN, May 13-15, 2007. (oral)
- 336) *Patel B, Berger W, **Krupinski E**, Knapp A, Hamilton A, Gatenby R. Can a hybrid simulator mitigate the unevenness of diagnostic radiology training experience in the management of iodinated radiologic contrast media reactions? 7th Annual International Meeting on Simulation in Healthcare. Lake Buena Vista, FL, Jan 14-17, 2007. (poster)

337) *Roehrig H, Fan J, Dallas WJ, **Krupinski EA**. Image quality evaluation of color displays using a Fovean color camera. SPIE Medical Imaging Conference, San Diego, CA, Feb 17-22, 2007. (oral)

338) *Roehrig H, Fan J, Dallas WJ, **Krupinski EA**. Determination of the image quality of color displays with a C-MOS color camera. 21st International Congress & Exhibition of Computer Assisted Radiology and Surgery, Berlin, Germany, Jun 27-30, 2007. (oral)

2008

339) *Antoniotti NM, *Grady B, ***Krupinski E**, *Burdick A, *Carnahan L, *Rosenthal L, *Cavallerano J. (2008). Standards & Guidelines: ATA and Telemedicine's New Frontier. American Telemedicine Association Annual Meeting, Seattle, WA, Apr 6-8, 2008. (oral panel)

340) *Barker GP, Cooley J, **Krupinski EA**, McNeely RA, Weinstein RS. Can videoconferencing replace in-person presentation and if so, how? American Telemedicine Association Annual Meeting, Seattle, WA, Apr 6-8, 2008. (oral)

341) *Barker G, **Krupinski E**, McNeely R, Lopez AM, Latifi R, Hiteman S, Holcomb M, Beinar S, Weinstein R. Measuring Telemedicine Program at an Academic Institution. American Telemedicine Association Annual Meeting, Seattle, WA, Apr 6-8, 2008. (oral)

342) *Gibson SF, Rowe N, Morley S, **Krupinski EA**. Telepsychiatry Client Satisfaction After 10 Years of Network Operations. American Telemedicine Association Annual Meeting, Seattle, WA, Apr 6-8, 2008. (oral)

343) ***Krupinski EA**. Early career professional development in medical imaging. SPIE Medical Imaging Conference, San Diego, CA, Feb 17-21, 2008. (oral)

344) ***Krupinski, EA**. Image display, processing and analysis (CAD). 50th Annual Meeting American Association of Physicists in Medicine, July 27-31, Houston, TX, July 27-31, 2008. (oral)

345) ***Krupinski EA**. A short history of image perception in radiology. RSNA Mini-Course "From Image to Decision: Science & Technology for Effective Interpretation: Why Study Perception?" Radiological Society of North America Annual Meeting, Chicago, IL, Nov 29 – Dec 4, 2008. (oral)

346) ***Krupinski EA**. Perceptual & cognitive factors in reading medical images. RSNA Mini-Course "From Image to Decision: Science & Technology for Effective Interpretation: Why Study Perception?" Radiological Society of North America Annual Meeting, Chicago, IL, Nov 29 – Dec 4, 2008. (oral)

347) ***Krupinski EA**. Clinical cases in correctional telemedicine. American Telemedicine Association Latin American and Caribbean Chapter Annual Meeting, Panama City, Panama, Aug 15-17, 2008. (oral)

348) ***Krupinski EA**. Clinical effectiveness of telenursing. American Telemedicine Association Latin American and Caribbean Chapter Annual Meeting, Aug 15-17, Panama City, Panama, Aug 15-17, 2008. (oral)

349) ***Krupinski EA**. Teleradiology evolution. American Telemedicine Association Latin American and Caribbean Chapter Annual Meeting, Panama City, Panama, Aug 15-17, 2008. (oral)

350) ***Krupinski EA**. Getting to outcomes. American Telemedicine Association Mid-Year Meeting, Tampa, FL, Sep 15-16, 2008. (oral)

351) ***Krupinski EA**. Publishing in pediatric tele-education. American Telemedicine Association Mid-Year Meeting, Tampa, FL, Sep 15-16, 2008. (oral)

352) ***Krupinski EA**. Publishing in pediatric tele-education. American Telemedicine Association Mid-Year Meeting, Tampa, FL, Sep 15-16, 2008. (oral)

353) ***Krupinski EA**. Update on the International activities of the American Telemedicine Association. Advances in eHealth and Telemedicine International. Warsaw, Poland, October 24-25, 2008. (oral)

354) ***Krupinski EA**, Barker GP, Lopez AM, Cruz M, Weinstein RS. Analysis of 10-years experience of telepsychiatry at an academic medical center. American Telemedicine Association Annual Meeting, Seattle, WA, Apr 6-8, 2008. (oral)

355) ***Krupinski EA**, *Chakraborty D. Statistical methods in medical imaging and bioengineering with applications to observer performance evaluation. SPIE Medical Imaging Conference, San Diego, CA, Feb 17-21, 2008. (oral workshop)

356) ***Krupinski EA**, Johns A, Berbaum KS. Measurement of visual strain in radiologists. SPIE Medical Imaging Conference, San Diego, CA, Feb 17-21, 2008. (poster)

357) *Li HK, Hubbard L, Danis RP, Harding T, Florez-Arango JF, **Krupinski EA**. Comparing digital retinal images to 35mm slides for grading diabetic retinopathy severity. American Academy of Ophthalmology Joint Annual Meeting, Atlanta, GA, Nov 8-11, 2008. (oral)

358) *Roehrig H, Dallas W, **Krupinski EA**. (2008). Consistent color and grayscale presentation for medical color displays. SPIE Medical Imaging Conference, 17-21 Feb, San Diego, CA.

359) *Roehrig H, Fan J, Dallas WJ, **Krupinski EA**. Reducing noise of medical grade liquid crystal displays (LCD) and its relation to the detection of micro-calcifications. 9th International Workshop on Digital Mammography, Tucson, AZ, Jul 20-23, 2008. (oral)

360) *Roehrig H, **Krupinski EA**, Dallas W, Rehm K. Consistent color & grayscale presentation for medical color displays. Radiological Society of North America Annual Meeting, Chicago, IL, Nov 29-Dec 4, 2008. (poster)

2009

361) *Barker GP, Latifi R, **Krupinski EA**, Lopez AM, Weinstein RS. The business aspects of telemedicine and e-health. Third Balkans Telemedicine and e-Health Seminar, Skopje, Macedonia, Feb 6-7, 2009. (oral)

362) *Barker G, **Krupinski E**, Beinar S, Kerr R, Schellenberg B, Hooven S, Weinstein R. Building a telemedicine program within an institution: economies of scale...fact or fiction? American Telemedicine Association Annual Meeting, Las Vegas, NV, April 26-28, 2009. (oral)

363) *Dallas WJ, Roehrig H, Fan J, **Krupinski EA**. Spatial noise suppression for LCD displays. SPIE Medical Imaging Conference, Orlando, FL, Feb 7-12, 2009. (oral)

364) *Dallas WJ, Roehrig H, Fan J, **Krupinski EA**, Johnson J. LCD spatial noise suppression: large-field vs ROI image processing. Medical Image Perception Society XIII Conference. Santa Barbara, CA, Oct 19-21, 2009. (oral)

365) *Johnson JP, **Krupinski EA**, Nafziger JS, Yan M, Roehrig H. Visually lossless compression of breast biopsy virtual slides for telepathology. SPIE Medical Imaging Conference, Orlando, FL, Feb 7-12, 2009. (oral)

366) *Johnson J, **Krupinski E**. Detecting compression artifacts in virtual pathology images using a visual discrimination model. Medical Image Perception Society XIII Conference. Santa Barbara, CA, Oct 19-21, 2009. (oral)

367) ***Krupinski EA**. Early career professional development in medical imaging. SPIE Medical Imaging Conference, Orlando, FL, Feb 7-12, 2009. (oral)

- 368) ***Krupinski EA**. Teleradiology & Telepathology. Third Balkans Telemedicine and e-Health Seminar, Skopje, Macedonia, Feb 6-7, 2009. (oral)
- 369) ***Krupinski EA**. Moving forward with telehealth. 2009 Telehealth Symposium. Denver, CO, Mar 27, 2009. (oral)
- 370) ***Krupinski EA**. Implementation & evaluation of telehealth tools & technologies: AZ Telemedicine Program. Future of Telehealth: Essential Tools & Technologies for Clinical Research & Care, Bethesda, MD, Jun 25-26, 2009. (oral)
- 371) ***Krupinski EA**. The digital reading environment – what can radiology teach pathology? Advancing Practice, Instruction & Innovation Through informatics. Pittsburgh, PA, Sep 20-24, 2009. (oral)
- 372) ***Krupinski EA**. Medical physics, image perception & human factors: bridging the gap between clinicians, patients & technology. XXXII Bienal de Fisica de la Real Sociedad Espanola de Fisica, Ciudad Real, Spain, Sep 7-11, 2009. (oral)
- 373) ***Krupinski EA**. Advances in telemedicine and expanding frontiers. EMBARQ webinar. Overland Park, KS, Mar 4, 2009. (oral)
- 374) ***Krupinski EA**, *Antoniotti N, *Burdick A. Implementing standards and guidelines for telemedicine. American Telemedicine Association Annual Meeting, Las Vegas, NV, Apr 26-28, 2009. (oral panel)
- 375) ***Krupinski EA**, Berbaum KS. Does reader visual fatigue impact performance? Medical Image Perception Society XIII Conference. Santa Barbara, CA, Oct 19-21, 2009. (oral)
- 376) ***Krupinski EA**, *Britton B, *Whitten P. Getting to outcomes: how to design and present outcomes for telemedicine initiatives. American Telemedicine Association Annual Meeting, Las Vegas, NV, Apr 26-28, 2009. (oral panel)
- 377) ***Krupinski EA**, Berbaum KS, Caldwell R. Impact of visual fatigue on observer performance. SPIE Medical Imaging Conference, Orlando, FL, Feb 7-12, 2009. (poster)
- 378) ***Krupinski EA**, *Chakraborty D. Statistical methods in medical imaging and bioengineering with applications to observer performance evaluation. SPIE Medical Imaging Conference, Orlando, FL, Feb 7-12, 2009. (oral workshop)
- 379) ***Krupinski EA**, Patel B, Berger W, Hamilton AJ, Knapp AE, Becker GJ, Gatenby RA. Assessing radiology resident preparedness to manage IV contrast media reactions using simulation technology. Medicine Meets Virtual Reality 17, Long Beach, CA, Jan 19-22, 2009. (oral)
- 380) *Li H, Hubbard L, Davis R, Florez-Arango J, **Krupinski E**. Comparing stereo to non-stereo for telemedicine evaluation of diabetic retinopathy. American Telemedicine Association Annual Meeting, Vegas, NV, Apr 26-28, 2009. (oral)
- 381) *Li HK, Hubbard LD, Davis RP, Florez-Arango JF, **Krupinski EA**. Digital stereo (uncompressed & compressed), mono, & wide-angle mosaic imagery vs. ETDRS film for grading diabetic retinopathy severity. American Academy of Ophthalmology Annual Meeting, San Francisco, CA, Oct 24-27, 2009. (oral)
- 382) *Lopez AM, ***Krupinski EA**, *Kreykes L. Women's health through telemedicine: a panel discussion. American Telemedicine Association Annual Meeting, Las Vegas, NV, April 26-28, 2009. (oral panel)
- 383) *Rabinowitz T, *Katzenstein J, *Cafazzo JA, *Shore JH, *Augusterfer EF, *Farberow BM, *Halkias D, ***Krupinski EA**. Telemental health and human factors: a critical interface for global health. American Telemedicine Association Annual Meeting, Las Vegas, NV, Apr 26-28, 2009. (oral panel)

384) *Sancho P, *Figueras F, *Velasco V, *Yzuel MJ, ***Krupinski E**. Mujeres en Fisica Simposio. XXXII Bienal de Fisica de la Real Sociedad Espanola de Fisica, Ciudad Real, Spain, Sep 7-11, 2009. (oral panel)

385) *Scott KM, **Krupinski EA**, Erps K, Richter L, Graham AR, Bhattacharyya A, Weinstein RS. Gender differences in preferences for glass slides vs virtual slides for histopathology testing. United States and Canadian Academy of Pathology, Boston, MA, Mar 7-13, 2009. (oral)

386) *Weinstein RS, Latifi R, **Krupinski EA**, Lopez AM, Barker. Strategies for the institutionalizing and for the achievement of sustainability of telemedicine programs. Third Balkans Telemedicine and e-Health Seminar, Skopje, Macedonia, Feb 6-7, 2009. (oral)

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387) *Alvarez I, *Barta D, *Billings G, ***Krupinski E**, *Martin C, *Speedie S, *Thiels C. Office for the Advancement of Telehealth Technical Assistance Workshop. 15th Annual American Telemedicine Association Meeting, San Antonio, TX, May 16-18, 2010. (oral panel)

388) *Dallas WJ, Roehrig H, Fan J, **Krupinski EA**, Johnson JP. Spatial noise suppression for LCD displays: noise contrast. SPIE Medical Imaging, San Diego, CA, Feb 13-18, 2010. (oral)

389) *Johnson JP, **Krupinski EA**, Yan M, Roehrig H. Use of a visual discrimination model to detect compression artifacts in virtual pathology images. SPIE Medical Imaging, Feb 13-18, San Diego, CA, Feb 13-18, 2010. (oral)

390) ***Krupinski EA**. Early career professional development in medical imaging. SPIE Medical Imaging Conference, San Diego, CA, Feb 13-18, 2010. (oral)

391) ***Krupinski EA**. Assessing image quality in telehealth applications. Global Telehealth 2010, Perth Australia, Nov 10-12, 2010. (oral)

392) ***Krupinski EA**. Enterprise Deployment Strategies: Commercial Off-the-Shelf Monitors vs Medical Grade LCDs. Applied Radiology Expert Forum Webinars, Sept 30, 2010. (oral)

393) ***Krupinski EA**. (2010). Reader fatigue interpreting mammograms. 10th International Workshop on Digital Mammography, Girona, Spain, Jun 16-18, 2010. (oral)

394) ***Krupinski EA**, *Andriole K. (2010). Writing a grant or RFP: Key Steps for Success. Society for Imaging Informatics in medicine Annual Meeting, Minneapolis, MN, Jun 3-6, 2010. (oral panel)

395) ***Krupinski EA**, Berbaum KS. Does reader visual fatigue impact interpretation accuracy? SPIE Medical Imaging, San Diego, CA, Feb 13-18, 2010. (oral)

396) ***Krupinski EA**, Berbaum KS. Does reader visual fatigue impact interpretation accuracy? SPIE Medical Imaging, San Diego, CA, Feb 13-18, 2010. (oral)

397) ***Krupinski EA**, Berbaum KS, Caldwell R. Reader fatigue in teleradiology – is it real? 15th Annual Meeting American Telemedicine Association, San Antonio, TX, May, 16-18. 2010. (oral)

398) ***Krupinski EA**, *Chakraborty D. Statistical methods in medical imaging and bioengineering with applications to observer performance evaluation. SPIE Medical Imaging Conference, San Diego, CA, Feb 13-18, 2010. (oral workshop)

399) ***Krupinski EA**, *Chakraborty D. Study design & related issues in assessing observer performance in medical imaging. Ft Belvoir Night Vision & Electronic Sensors Directorate, Ft. Belvoir, VA, Aug 9, 2010. (oral workshop)

- 400) ***Krupinski EA**, *Cohen Z, *Silverberg N. Telemedicine funding opportunities at the National Institutes of Health. American Telemedicine Association Mid-Year Meeting, Baltimore, MD, Sept 26-28, 2010. (oral panel)
- 401) ***Krupinski EA**, *Meltzer C. What it takes to be an expert reviewer for the NIH – the peer review process demystified. Radiological Society of North America 96th Scientific Assembly, Chicago, IL, Nov 28-Dec 3, 2010. (oral workshop)
- 402) ***Krupinski EA**, Johnson J, Yan Michelle. Detecting compression artifacts in virtual pathology images. 15th Annual Meeting American Telemedicine Association, San Antonio, TX, May, 16-18. 2010. (oral)
- 403) ***Krupinski EA**, Roehrig H, Matsui T. Diagnostic accuracy and visual search efficiency with high-luminance monochrome vs color displays. Radiological Society of North America 96th Scientific Assembly, Chicago, IL, Nov 28-Dec 3, 2010. (oral)
- 404) ***Krupinski EA**, *Shore J, *Linkous J. ATA Leadership Development. American Telemedicine Association Mid-Year Meeting, Baltimore, MD, Sept 26-28, 2010. (oral panel)
- 405) *Li HK, Hubbard LD, Danis R, Florez-Arango JF, Esquivel A, **Krupinski EA**. Comparison of diabetic macular edema evaluations using multiple digital image formats. 15th Annual Meeting American Telemedicine Association, San Antonio, TX, May 16-18, 2010. (oral)
- 406) *Lopez AM, **Krupinski E**, Skinner T, Weinstein R. Generational changes in CME acquisition. 15th Annual Meeting American Telemedicine Association, 16-18 May, San Antonio, TX, May 16-18, 2010. (poster)
- 407) *Roehrig H, Rehm K, Fan J, Dallas WJ, **Krupinski EA**. Color calibration and color-managed medical displays: does the calibration method matter. SPIE Medical Imaging, San Diego, CA, Feb 13-18, 2010. (oral)
- 408) *Roehrig H, Rehm K, Fan J, Dallas WJ, **Krupinski EA**. Color-managed medical color displays and their color calibration: does the calibration method matter and how big is the color difference? 24th International Congress & Exhibition of Computer Assisted Radiology, Geneva, Switzerland, 23-26 June, 2010. (oral)
- 409) *Tourassi GD, Mazurowski MA, **Krupinski EA**. Perception-driven IT-CADe analysis for the detection of masses in screening mammography: initial investigation. SPIE Medical Imaging, San Diego, CA, Feb 13-18, 2010. (oral)
- 410) *Turvey C, *Augusterfer G, *Bedrosian R, *Cullum M, *Godleski L, *Grady B, *Hirsch P, *Holden D, *Katzenstein J, ***Krupinski E**, *Rabinowitz T, *Roberts L, *Shore J, *Vo A, *Yellowlees P. Emerging technologies and innovations in practice in telemental health. 15th Annual American Telemedicine Association Meeting, San Antonio, TX, May 16-18, 2010. (oral panel)
- 411) *Whitten P, Holtz B, Alverson D, **Krupinski E**. FCC's Rural Health Care pilot program broadband initiative: results from part one of a two-part study. 15th Annual Meeting American Telemedicine Association, 16-18 May, San Antonio, TX, May 16-18, 2010. (oral)

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- 412) *Andriole K, *Erickson B, ***Krupinski E**. Top trends in imaging informatics: a preview of pressing issues and emerging trends at SIIM 2011. Aunt Minnie's PACS in an Age of Change Webinar Series, May 17, 2011. (oral panel)
- 413) *Charness N, *Boissy P, *Demiris G, ***Krupinski EA**, *Lai AM, *Lopez AM. Human-centered design of telehealth services for an aging population. 16th Annual American Telemedicine Association Meeting & Expo, Tampa, FL, May 1-3, 2011. (oral panel)

- 414) *Honeyman-Buck J, ***Krupinski EA**. Where and how do I fit in with SIIM? Annual Meeting Society for Imaging Informatics in Medicine, Washington, DC, June 2-5, 2011. (oral panel)
- 415) ***Krupinski EA**. Early career professional development in medical imaging. SPIE Medical Imaging Conference, Orlando, FL, Feb 12-17, 2011. (oral)
- 416) ***Krupinski EA**. Telehealth in Correctional Facilities. Northwest Regional Telehealth Resource Center Open Mic Series, Mar 24, 2011. (oral)
- 417) ***Krupinski EA**. (2011). Basics of telemedicine & its benefits. Southwest Telehealth Resource Center Improving Access to Quality Medical Care Series, Mar 30, 2011. (oral)
- 418) ***Krupinski EA**. Are new features in medical displays improving diagnostic quality? Applied Radiology Expert Forum Webinars, May 24, 2011. (oral)
- 419) ***Krupinski EA**, *Boonn WW, *Chang PJ. How to get your gadget out there. Annual Meeting Society for Imaging Informatics in Medicine, Washington, DC, June 2-5, 2011. (oral panel)
- 420) ***Krupinski EA**, *Brennan D, *Leenknecht C, *Silva P. Telehealth practice standards & guidelines: analyzing & validating evidence-based telehealth. 16th Annual American Telemedicine Association Meeting & Expo, Tampa, FL, May 1-3, 2011. (oral panel)
- 421) ***Krupinski EA**, *Chakraborty D. Statistical methods in medical imaging and bioengineering with applications to observer performance evaluation. SPIE Medical Imaging Conference, Orlando, FL, 12-17 Feb, 2011. (oral workshop)
- 422) ***Krupinski EA**, *Hirschorn D, *Seibert JA. So many monitors, so many choices – which one is best? Annual Meeting Society for Imaging Informatics in Medicine, Washington, DC, June 2-5, 2011. (oral panel)
- 423) ***Krupinski EA**, *Meltzer C. What it takes to be an expert reviewer for the NIH – the peer review process demystified. Radiological Society of North America 97th Scientific Assembly, Chicago, IL, Nov 27-Dec 2, 2011. (oral workshop)
- 424) ***Krupinski EA**, *Pastel M. Do I need FDA clearance for my imaging informatics tool? Annual Meeting Society for Imaging Informatics in Medicine, June 2-5, Washington, DC, June 2-5, 2011. (oral panel)
- 425) ***Krupinski EA**, Berbaum KS, Caldwell RT, Schartz K, Kramer D. Impact of long workday hours on CT interpretation & visual strain. MIPS XIV. Dublin, Ireland, Aug 9-12, 2011. (oral)
- 426) ***Krupinski EA**, Berbaum KS, Caldwell RT, Schartz K, Kramer D. CT interpretation: the impact of long workdays on interpretation accuracy & visual strain. Radiological Society of North America 97th Scientific Assembly, Chicago, IL, Nov 27 – Dec 2, 2011. (oral)
- 427) ***Krupinski EA**, Erps KA, Weinstein RS. Year 1 Experience of a New Telehealth Resource Center. 16th Annual American Telemedicine Association Meeting & Expo, Tampa, FL, May 1-3, 2011. (poster)
- 428) ***Krupinski EA**, Johnson JP, Jaw S, Weinstein RS. Effect of compression on discrimination of benign from malignant breast biopsy virtual slides. MIPS XIV. Dublin, Ireland, Aug 9-12, 2011. (oral)
- 429) ***Krupinski EA**, Roehrig H, Matsui T. High luminance monochrome vs color displays: impact on performance and search. SPIE Medical Imaging, Orlando, FL, Feb 12-17, 2011. (poster)
- 450) ***Krupinski EA**, Weinstein RS. (2011). Changes in visual search patterns of pathology residents as they gain experience. SPIE Medical Imaging, Feb 12-17, Orlando, FL.

451) ***Krupinski EA**, Weinstein RS. (2011). How early in training do pathology residents recognize diagnostically relevant information on breast biopsy virtual slides? MIPS XIV. August 9-12, Dublin, Ireland.

452) *Kuhlman M, Meyer M, **Krupinski E**. Direct reporting of results to patients: the future of radiology? Radiological Society of North America 97th Scientific Assembly, Chicago, IL, Nov 27-Dec 2, 2011. (oral)

453) *Mello-Thoms C, Fisher D, **Krupinski EA**, Nishikawa RM, Ochs RA, Pastel MS, Petrick NA. (2011). Device evaluation: perspectives from inside and outside the FDA. SPIE Medical Imaging Conference, 12-17 Feb, Orlando, FL.

454) ***Nissim L**, **Krupinski E**, Smyth S, Hunter TB, Taljanovic M. Medical student exposure to and interest in interventional radiology. Radiological Society of North America 97th Scientific Assembly, Chicago, IL, Nov 27-Dec 2, 2011. (oral)

455) *Simpson M, Boroczky L, Xu Y, Abe H, **Krupinski E**. A perceptual study in DCE-MRI for breast cancer. MIPS XIV. August 9-12, Dublin, Ireland, Aug 9-12, 2011. (oral)

2012

456) *Antoniotto N, ***Krupinski E**. ATA Practice Standards and Guidelines. 17th Annual American Telemedicine Association Meeting, San Jose, CA, Apr 29-May 1, 2012. (oral panel)

457) ***Bahlmann C**, Patel AH, Johnson JP, Ni J, Chekkoury A, Khurd PK, Kamen A, Grady L, **Krupinski EA**, Graham AR, Weinstein RS. Automated detection of diagnostically relevant regions in H&E stained digital pathology slides. SPIE Medical Imaging, San Diego, CA, Feb 4-9, 2012. (oral)

458) ***Bauer A**, **Krupinski E**, Lei H, Sherman S, Avery R, Kuo P. I-123 Isoflurane and tremor asymmetry in Parkinson disease. American Roentgen Ray Society Annual meeting Vancouver, Canada, Apr 29-May 4, 2012. (oral)

459) *Chekkoury A, Khurd PK, Ni J, Bahlmann C, Kamen A, Patel AH, Grady L, **Krupinski EA**, Johnson JP, Graham AR, Weinstein RS. Automated malignancy detection in breast histopathological images. SPIE Medical Imaging, San Diego, CA, Feb 4-9, 2012. (oral)

460) ***Krupinski EA**. Early career professional development in medical imaging. SPIE Medical Imaging Conference, San Diego, CA, Feb 4-9, 2012. (oral)

461) ***Krupinski EA**. How to prepare your first grant submission. American Society of Neuroradiology Annual Meeting, New York City, NY, Apr 21-26, 2012. (oral)

462) ***Krupinski EA**. Navigating federal funding options for informatics tool/product development. Society for Imaging Informatics in Medicine, Orlando, FL, Jun 7-10, 2012. (oral)

463) ***Krupinski EA**. Overview of telemedicine programs. American Telemedicine Association Fall Forum, New Orleans, LA, Sep 10-11, 2012. (oral)

464) ***Krupinski EA**. Program assessment. American Telemedicine Association Fall Forum, New Orleans, LA, Sep 10-11, 2012. (oral)

465) ***Krupinski EA**. Image perception at SPIE – did you see what I saw? SPIE Medical Imaging, February 4-9, San Diego, CA, Feb 4-9, 2012. (poster)

466) ***Krupinski EA**, *Andriole KP, *Bruce RJ, *Chang PJ, *Wendt GJ. Enterprise imaging informatics – learn from those doing it! Society for Imaging Informatics in Medicine, Orlando, FL, June 7-10, 2012. (oral panel)

467) ***Krupinski EA**, Berbaum KS, Caldwell RT, Schartz K, Kramer D. Is diagnostic accuracy for detecting pulmonary nodules in chest CT reduced after a long day of reading? SPIE Medical Imaging, San Diego, CA, Feb 4-9, 2012. (oral)

468) ***Krupinski EA**, Berbaum KS, Caldwell R, Schartz K, Madsen M. Impact of radiologists' fatigue on visual search during the detection of bone Fractures. Radiological Society of North America 98th Scientific Assembly, Chicago, IL, Nov 25 – Nov 30, 2012. (oral)

469) ***Krupinski EA**, Bronkalla, Cavanaugh B, Reicher M. Enterprise imaging workflow – breaking through the congestion. Society for Imaging Informatics in Medicine, Orlando, FL, June 7-10, 2012. (oral)

470) ***Krupinski EA**, *Honeyman-Buck J. Building research infrastructure with an eye towards publishing. Society for Imaging Informatics in Medicine, Orlando, FL, June 7-10, 2012. (oral panel)

471) ***Krupinski EA**, *Meenan C, *Kim W, *Chang P. Got a great idea or designed an informatics tool? Now What? Society for Imaging Informatics in Medicine, Orlando, FL, June 7-10, 2012. (oral panel)

472) ***Krupinski EA**, *Meltzer C. What it takes to be an expert reviewer for the NIH – the peer review process demystified. Radiological Society of North America 98th Scientific Assembly, Chicago, IL, Nov 25 – 30, 2012. (oral workshop)

473) ***Krupinski EA**, Hall ET, Jaw S, Reiner B, Siegel E. Influence of radiology report format on reading time & comprehension. Society for Imaging Informatics in Medicine, Orlando, FL, Jun 7-10, 2012. (oral)

484) ***Krupinski EA**, Johnson JP, Jaw S, Graham AR, Weinstein RS. Compressing virtual pathology slides: human & model observer evaluation. SPIE Medical Imaging, San Diego, CA, Feb 4-9, 2012. (oral)

475) ***Krupinski EA**, Johnson JP, Jaw S, Graham AR, Weinstein RS. Human & model observer evaluation of virtual telepathology slide compressibility. 17th Annual American Telemedicine Association Meeting, San Jose, CA, Apr 29-May 1, 2012. (oral)

476) ***Krupinski EA**, Silverstein LD, Hashmi SF, Graham AR, Weinstein RS, Roehrig H. Influence of LCD color reproduction accuracy on observer performance using virtual pathology slides. SPIE Medical Imaging, San Diego, CA, Feb 4-9, 2012. (oral)

477) ***Krupinski EA**, *Wendt GJ. Enterprise imaging informatics – it's not just radiology. Society for Imaging Informatics in Medicine, Orlando, FL, June 7-10, 2012. (oral panel)

478) *Schnall MD, *Votaw JR, ***Krupinski EA**, *Knopp MV. Supporting radiology research: imaging cores, faculty development, and finances. Radiological Society of North America 98th Scientific Assembly, Chicago, IL, Nov 25 – Nov 30, 2012. (oral panel)

479) *Weinstein RS, Graham AR, Lian F, Barker G, **Krupinski EA**, Bhattacharyya AK. Fifth generation telepathology systems: the whole slide image-enhanced dynamic robotic telepathology system. 11th European Congress on Telepathology, Venice, Italy, Jun 6-9, 2012. (oral)

2013

480) *Arif-Tiwari H, Becker-Weidman D, Kalb BT, Martin DR, **Krupinski EA**. Differentiating lipids poor adrenal adenomas and malignant adrenal neoplasms by combination of dynamic contrast enhanced T1 weighted 3D gradient echo sequences and single shot T2W1: preliminary results. ISMRM 21st Annual Meeting, Salt Lake City, UT, Apr 20-26, 2013. (oral)

481) *Avanki A, Espig K, Marchessoux C, **Krupinski EA**, Bakic PR, Kimpe T, Maidment A. Integration of spatio-temporal contrast sensitivity with a multislice channelized Hotelling observer. SPIE Medical Imaging Conference, Orlando, FL, Feb 9-14, 2013. (oral)

- 482) *Barta D, ***Krupinski E**, *Wibberly K. Telehealth resource centers – what can WE do for YOU? National Rural Health Association's 36th Annual Rural Health Conference, Louisville, KY, May 7-10, 2013. (oral panel)
- 483) *Boissy P, *Britton B, *Charness N, ***Krupinski E**. Human factors in telehealth: an introduction. American Telemedicine Association Annual Meeting, Austin, TX, 5-7 May, 2013. (oral panel)
- 484) *Covington M, Urbina S, **Krupinski E**, Stolz L, Martin DR, Chundru S, Costello JR, Kalb BT. Non-contrast MRI versus Contrast Enhanced CT for Evaluation of Suspected Acute Appendicitis in Patients = 40 Years: Cost Considerations and Impact on Emergency Department Patient Throughout. Radiological Society of North America Annual Meeting, Chicago, IL, Dec 1 – 6, 2013. (oral)
- 485) *Hirschorn DS, *Flynn MJ, ***Krupinski EA**. Display Technology. Radiological Society of North America Annual Meeting, Chicago, IL, Dec 1-6, 2013. (oral panel)
- 486) *Ho A, Avery R, Warneke J, **Krupinski E**, Morrison L, Kuo P. Importance of sampling nodes with lower radioactive counts in the selective sentinel node dissection for melanoma and the role of lymphoscintigraphy. 2013 American Roentgen Ray Society Meeting, Washington, DC, Apr 14-19, 2013. (oral)
- 487) *Hur S, Bauer A, **Krupinski E**, McMillan N, Kuo P. Optimizing the VQ scan for image quality and radiation exposure. Society of Nuclear Medicine and Molecular Imaging, Vancouver, BC, Canada, Jun 8-12, 2013. (oral)
- 488) ***Krupinski EA**. Early career professional development in medical imaging. SPIE Medical Imaging Conference, Orlando, FL, Feb 9-14, 2013. (oral)
- 489) ***Krupinski EA**. Applying for NIH K & F Awards. SPIE Medical Imaging Conference, Orlando, FL, Feb 9-14, 2013. (oral)
- 490) ***Krupinski EA**. Key concepts when doing & reviewing human factors research. University of Arizona Department of Pathology Journal Club, Sep 3, 2013. (oral)
- 491) ***Krupinski EA**. Profiling telemedicine innovation: telemedicine in academia – Arizona Telemedicine Program. American Telemedicine Association Fall Forum, Toronto, Canada, Sept 8-10, 2013. (oral)
- 492) ***Krupinski EA**. Telemedicine evaluation & assessment. American Telemedicine Association Fall Forum, Toronto, Canada, Sept 8-10, 2013. (oral)
- 493) ***Krupinski EA**. Telehealth resource centers – we are here for you! ATA Business & Finance SIG Webinar, Jul 10, 2013. (oral)
- 494) ***Krupinski EA**. Practice guidelines for telemedicine. The National Telehealth Webinar Series. Nov 21, 2013. (oral)
- 495) ***Krupinski EA**. ATA Practice Guidelines for telemedicine quality assurance: Core Standards for Telemedicine Operations & Videoconferencing-based Telepresenting. American Telemedicine Association Fall Forum, Toronto, Canada, Sept 8-10, 2013. (oral)
- 496) ***Krupinski EA**. Potential method for relieving fatigue in radiologists. SPIE Medical Imaging Conference, Orlando, FL, Feb 9-14, 2013. (poster)
- 497) ***Krupinski EA**. The role of color in telemedicine applications. International Color Consortium Summit on Color in Medical Imaging. Silver Spring, MD, May 8-9, 2013. (oral)
- 498) ***Krupinski EA**. Characterizing dermatologists' scanning of photographic & dermatoscopic images: a pilot study. Medical Image Perception Conference XV, August 14-15, Washington, DC, Aug 14-15, 2013. (oral)

499) ***Krupinski EA**. Telemedicine 101. 22nd Annual Rural Health Conference, Colorado Springs, CO, Oct 17-18, 2013. (oral)

500) ***Krupinski EA**. Human factors in behavioral telehealth. 60th Annual Meeting Academy of Psychosomatic Medicine, Tucson, AZ, Nov 13-16, 2013. (oral)

501) ***Krupinski EA**, *Chang PJ, *Nagy PG, *Wendt GJ, How to plan for & implement strategies for managing images. SIIM Annual Meeting, Grapevine, TX, May 5-9, 2013. (oral panel)

502) ***Krupinski EA**, *Meltzer CC, *Morton KA. RSNA/ARR Study Section Reviewers Workshop: What it Takes to be an Expert Reviewer for the NIH: Peer Review Process Demystified. Radiological Society of North America Annual Meeting, Chicago, IL, Dec 1-6, 2013. (oral panel)

503) ***Krupinski EA**, *Siddiqui KM, *Bronkalla M, *Levin BL, *Primo H, *Saint-Clair F, *Wright KL. Who do you turn to for help in developing solutions? SIIM Annual Meeting, Grapevine, TX, May 5-9, 2013. (oral panel)

504) ***Krupinski EA**, *Tellis WM. What are your challenges? Society of Imaging Informatics in Medicine Annual Meeting, Grapevine, TX, May 5-9, 2013. (oral panel)

505) ***Krupinski EA**, *Turvey C, *Budhrani S, *Davis TM. ATA Practice Guidelines shaping service delivery. American Telemedicine Association Annual Meeting, Austin, TX, May 5-7, 2013. (oral panel)

506) *Kuo P, Lei H, Avery R, Sherman S, Bauer A, **Krupinski E**, Seibyl J, Zubal G. Evaluation of an objective striatal analysis program for determining laterality in uptake of DaTscan SPECT images: comparison to clinical symptoms and to visual reads. 2013 American Roentgen Ray Society Meeting, , Washington, DC, Apr 14-19, 2013. (oral)

507) *Rabinowitz T, *Boissy P, *Brooks E, *Doarn C, ***Krupinski E**, *Merrell R, *Sheeran T, *Turvey C, *Yellowlees P. Publish and flourish: approaches to getting your telemedicine research and ideas published. American Telemedicine Association Annual Meeting, Austin, TX, May 5-7, 2013. (oral panel)

508) *Taljanovic MS, Holden DA, **Krupinski EA**, Sheppard JE. High-resolution ultrasonography of the dorsal and palmar extrinsic wrist ligaments in correlation with 3T magnetic resonance imaging in 40 normal volunteers and 10 cadaveric specimens with surgical correlation. Society of Skeletal Radiology Annual Meeting, San Antonio, TX, Mar 17-20, 2013. (oral)

509) *Taljanovic MS, Holden DA, **Krupinski EA**, Sheppard JE. High-resolution Ultrasonography of the Dorsal and Palmar Extrinsic Wrist Ligaments in Correlation with 3T Magnetic Resonance Imaging in 40 Normal Volunteers and 10 Cadaveric Specimens with Surgical Correlation. Radiological Society of North America Annual Meeting, Chicago, IL, Dec 1-6, 2013. (oral)

510) *Taylor-Phillips S, Elze M, Mello-Thoms CR, **Krupinski EA**, Gale AG, Clarke A. The variation of radiologists' performance over the course of a reading session using test cases. SPIE Medical Imaging Conference, Orlando, FL, Feb 9-14, 2013. (oral)

2014

511) *Barta DT, *Beck KJ, *Hoots B, ***Krupinski EA**, *Neufeld J, *Spargo G. Technology for telehealth. American Telemedicine Association Annual Meeting, Baltimore, MD, May 17-20, 2014. (oral panel)

512) *Bashshur R, ***Krupinski E**, *Gavish A, *Sanders J. Telemedicine & chronic care – what does the evidence show? A review of findings from scientific studies. American Telemedicine Association Fall Forum, Palm Springs, CA, Sep 8-9, 2014. (oral panel)

- 513) *Becker J, Martirosyan N, Choudhary G, **Krupinski E**, Erly W, Kubal W. Feasibility study to assess diffusion tensor imaging for evaluation of acute traumatic cervical cord injury. American Society of Neuroradiology Annual Meeting, Chicago, IL, April 25-30, 2014. (oral)
- 514) *Boissy P, *Charness N, ***Krupinski E**. User-centered factors in telehealth for providers and patients. American Telemedicine Association Annual Meeting, Baltimore, MD, May 17-20, 2014. (oral panel)
- 515) *Colombo JN, Seckeler MD, Barber BJ, **Krupinski E**, Weinstein RS, Sisk D, Lax D. Application and utility of iPads in pediatric tele-echocardiology. American Heart Assn Annual Meeting, Chicago, IL, Nov 15-19, 2014. (poster)
- 516) *Day K, Oliva I, **Krupinski E**, Marcus F. Estimation of 4th intercostal space using sterna notch to xiphoid length for accurate electrocardiogram lead placement. Intl Society Computerized Electrocardiology, San Jose, CA, April 15-19, 2014. (oral)
- 517) *Hur S, Howell B, **Krupinski E**, Kuo PH. Comparison of three protocols for gallbladder ejection fraction by hepatobiliary scintigraphy. Society Nuc Med Molec Imaging, St. Louis, MO, Jun 7-11, 2014. (poster)
- 518) *Khan R, Covington M, Jedd A, Sharma P, **Krupinski E**, Nael K. Feasibility study of flow compensation to improve diagnostic quality of T1 post contrast spin echo magnetic resonance images. American Society of Neuroradiology, Montreal, Canada, May 17-22, 2014. (oral)
- 519) ***Krupinski EA**. Early career professional development in medical imaging. SPIE Medical Imaging Conference, San Diego, CA, Feb 15-20, 2014. (oral)
- 520) ***Krupinski EA**. Applying for NIH K & F Awards. SPIE Medical Imaging Conference, San Diego, CA, Feb 15-20, 2014. (oral)
- 521) ***Krupinski EA**. (2014). How to do a needs or readiness assessment. Nuts & Bolts for Developing Telehealth Services in Alaska, Juneau, AK, July 28-29, 2014. (oral)
- 522) ***Krupinski EA**. Innovations and possibilities in connected health. Nuts & Bolts for Developing Telehealth Services in Alaska, Juneau, AK, July 28-29, 2014. (oral)
- 523) ***Krupinski EA**. Strategies for successful implementation. Nuts & Bolts for Developing Telehealth Services in Alaska, Juneau, AK, July 28-29, 2014. (oral)
- 524) ***Krupinski EA**. Clinical applications. Congreso de Telesalud Region de las Americas, Monterrey, Mexico, Sep 3-5, 2014. (oral)
- 525) ***Krupinski EA**. Practice guidelines & ethics. Congreso de Telesalud Region de las Americas, , Monterrey, Mexico, Sep 3-5, 2014. (oral)
- 526) ***Krupinski EA**. Choosing telehealth providers. Congreso de Telesalud Region de las Americas, Monterrey, Mexico, Sep 3-5, 2014. (oral)
- 527) ***Krupinski EA**. Innovations & possibilities in connected health. Congreso de Telesalud Region de las Americas, Monterrey, Mexico, Sep 3-5, 2014. (oral)
- 528) ***Krupinski EA**. Improving patient care & reducing expenses through telemedicine. Healthcare Business Insights Supply Chain Academy Webinar, Apr 30, 2014. (oral)
- 529) ***Krupinski EA**. Incorporating telemedicine into routine practice: practice guidelines. Telehealth Alliance of Oregon, Jun 12,2014. (oral)

- 530) ***Krupinski EA**. Developing Telehealth in Alaska. Bristol Bay Area Health Corporation Board Meeting, Oct 8, 2014. (oral)
- 531) ***Krupinski EA**. Choosing Telehealth Providers. The National Telehealth Webinar Series. Nov 20, 2014. (oral)
- 532) ***Krupinski EA**. Return of investment: regulations to reimbursement. New Mexico Hospital Association 69th Annual Meeting, Albuquerque, NM, Sep 24-25, 2014. (oral)
- 533) ***Krupinski EA**. How Does Radiology Report Format Impact Reading Time, Comprehension & Visual Scanning? SPIE Medical Imaging Conference, Feb 15-20, San Diego, CA, Feb 15-20, 2014. (oral)
- 534) ***Krupinski EA**. Optimizing displays and the viewing environment for the 21st century radiologist: Environment & ergonomics. SIIM Annual Meeting, Long Beach, CA, May, 15-17, 2014. (oral)
- 535) ***Krupinski EA**. National Telehealth Resource Centers. American Telemedicine Association Annual Meeting, Baltimore, MD, May 17-20, 2014. (oral)
- 536) ***Krupinski EA**. Legal & regulatory issues facing telemedicine providers: experiences & perspectives from the FTC. American Telemedicine Association Annual Meeting, Baltimore, MD, May 17-20, 2014. (oral)
- 537) ***Krupinski EA**. Publish & flourish: statistics in telemedicine. American Telemedicine Association Annual Meeting, Baltimore, MD, May 17-20, 2014. (oral)
- 538) ***Krupinski EA**. Technology with the end-user in mind. American Telemedicine Association Annual Meeting, Baltimore, MD, May 17-20, 2014. (oral)
- 539) ***Krupinski EA**. Innovations in remote clinical education: SWTRC. American Telemedicine Association Annual Meeting, Baltimore, MD, May 17-20, 2014. (oral)
- 540) ***Krupinski EA**. User-centered factors in telehealth for providers & patients: E3LS Issues. American Telemedicine Association Annual Meeting, Baltimore, MD, May 17-20, 2014. (oral)
- 541) ***Krupinski EA**. Roadmaps providing new standards for telemedicine services: ATA's practice guidelines. American Telemedicine Association Annual Meeting, Baltimore, MD, May 17-20, 2014. (oral)
- 542) ***Krupinski EA**. Teledermatology & teledermoscopy: optimizing technology & information by optimizing users. 4th International Conference on Information Technologies in Biomedicine. Kamien Slaski, Poland, June 2-4, 2014. (oral)
- 543) ***Krupinski EA**. Impact of color calibration on breast biopsy whole slide image interpretation accuracy & efficiency. International Workshop on Digital Mammography, Gifu, Japan. Jun 29-Jul 2, 2014. (poster)
- 544) ***Krupinski EA**, *Flynn MJ, *Walz-Flannigan AI, *Weber H. Optimizing displays and the viewing environment for the 21st century radiologist. SIIM Annual Meeting, Long Beach, CA, May 15-17, 2014. (oral panel)
- 545) **Krupinski EA**, *Locher PJ. The influence of assignment of authenticity on the perception and evaluation of works of art: an eye-movement analysis. 23rd Biennial Congress of the International Association of Empirical Aesthetics, New York City, NY, Aug 22-24, 2014. (oral)
- 546) ***Krupinski EA**, *Meltzer CC, *Morton KA. RSNA/ARR Study Section Reviewers Workshop: What it Takes to be an Expert Reviewer for the NIH: Peer Review Process Demystified. Radiological Society of North America Annual Meeting, Chicago, IL, Nov 29-Dec 4, 2014. (oral panel)

547) ***Krupinski EA**, *Weinstein R, *Alverson D, *Petersen M, *Shore J, *Gutierrez M. Legal & regulatory issues part 2: lessons learned and advice from telehealth pioneers. American Telemedicine Association Annual Meeting, Baltimore, MD, May 17-20, 2014. (oral panel)

548) *Levenson R, Ruff J, **Krupinski E**, Wasserman E. Our feathered friends: pigeons as medical imaging ideal observers? Gordon Research Conference Image Science, Easton, MA, Jun 8-13, 2014. (oral)

549) *Locher PJ, **Krupinski EA**. Art, authenticity, and value: an eye-movement analysis. American Psychological Association Annual Convention, Washington, DC, Aug 7-10, 2014. (oral)

550) *Nael K, Lafleur SR, Coull BM, Kidwell CS, **Krupinski EA**, Trouard TP. White matter Ischemic Changes in Patients with Hyperacute Ischemic Stroke: A Voxel-based Analysis Using Fractional Anisotropy and DSC Perfusion. 22nd Joint Annual Meeting ISMRM-ESMRMB, Milan, Italy, May 10-16, 2014. (oral)

551) *Nael K, Lafleur SR, Coull BM, Kidwell CS, **Krupinski EA**, Trouard TP. White matter Ischemic Changes in Patients with Hyperacute Ischemic Stroke: A Voxel-based Analysis Using Fractional Anisotropy and DSC Perfusion. American Society of Neuroradiology, Montreal, Canada, May 17-22, 2014. (oral)

552) * Nael K, Mossadeghi B, Khan R, Meshksar A, Kubal W, **Krupinski EA**, Ellingson B. Brain Dynamic Susceptibility Contrast (DSC) Perfusion Using a Reduced Contrast-dose at 3.0T: Comparison of Bayesian Method and Circulant Singular Value Deconvolution (cSVD). American Society of Neuroradiology, Montreal, Canada, May 17-22, 2014. (oral)

553) *Rabinowitz T, *Hilty D, *Brendel RW, *Cremens MC, ***Krupinski EA**, *Mermelstein H. (2014). Telepsychiatry essentials for psychosomatic medicine clinicians. Academy of Psychosomatic Medicine Annual Meeting, Ft Lauderdale, FL, Nov 12-15, 2014. (oral panel)

554) *Rabinowitz T, *Boissy P, *Brooks E, *Doarn C, ***Krupinski E**, *Merrell R, *Myers K, *Sheeran T, *Turvey C, *Yellowlees P. Publish and flourish: approaches to getting your telemedicine research and ideas published. American Telemedicine Association Annual Meeting, Baltimore, MD, May 17-20, 2014. (oral panel)

555) *Samei E, *Pfeiffer D, *Frey G, ***Krupinski E**, *Pizzutiello R, *Carson P, *Mahesh M, *Hangiandreu N, *Jordan D, *Dixon R. Medical Physics 1.0 to 2.0: Introduction and Panel Discussion. American Association Physicists in Medicine Annual Meeting, Jul 20-24, 2014. (oral panel)

556) *Wright J, Walsh J, Gimber L, Elaini T, **Krupinski E**, Hughes D. Visible radiologists: providing bedside consultation. American College of Radiology Annual Meeting & Chapter Leadership Conference, Washington, DC, April 26-30, 2014. (poster)

557) *Yellowlees P, *Boissy P, ***Krupinski E**, *Turvey C, *Myers K. Telemedicine research highlights. American Telemedicine Association Annual Meeting, Baltimore, MD, May 17-20, 2014. (oral panel)

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558) *Barta D, *Hoots B, ***Krupinski EA**, *Neufeld J, *Spargo G. Telehealth technology 101. American Telemedicine Association Annual Meeting, Los Angeles, CA, May 2-5, 2015. (oral panel)

559) *Barta D, *Hoots B, ***Krupinski EA**, *Neufeld J, *Spargo G. Telehealth technology 102. American Telemedicine Association Annual Meeting, Los Angeles, CA, May 2-5, 2015. (oral panel)

560) *Hilty D, *Antoniotti N, *Brooks E, *Caudill R, ***Krupinski E**, *Maheu M, *Malik T, * Medoza R, *Nelson EL, *Rabinowitz T, *Turvey C, *Yellowlees P. Delivering great care, getting paid, and avoiding legal problems. American Telemedicine Association Annual Meeting, Los Angeles, CA, May 2-5, 2015. (oral panel)

- 561) *Hilty D, *Augusterfer E, *Brooks E, *Caudill R, *Johnston B, *Kim T, ***Krupinski E**, *Malik T, *Myers K, *O'Neill P, *Rabinowitz T, *Shore J, *Turvey C, *Yellowlees P. Making telehealth program improvements based on needs assessment, effectiveness, and cost. American Telemedicine Association Annual Meeting, Los Angeles, CA, May 2-5, 2015. (oral panel)
- 562) *Hur S, Bhowra A, MacKinnon L, Lin M, Albasha H, Kubal W, **Krupinski E**, Becker J, Nael K, Eryl W. Comparison of radiology trainee interpretations and attending neuroradiologist interpretations of stroke MRI studies. American Society of Emergency Radiology, Miami, FL, Sep 16-19, 2015. (oral)
- 563) *Knitter J, Eryl W, Lemole GM, **Krupinski E**, Stea B, Nael K. Response assessment of cerebral metastases after high-dose stereotactic radiation: using combined diffusion and perfusion MR imaging. American Society Neuroradiology, Chicago, IL, Apr 25-30, 2015. (oral)
- 564) ***Krupinski EA**. Early career professional development in medical imaging. SPIE Medical Imaging Conference, Orlando, FL, Feb 21-26, 2015. (oral)
- 565) ***Krupinski EA**. Modernizing legacy data collection systems for telehealth data & reports. Telehealth Network Grant Program HRSA, Mar 9, 2015. (oral)
- 566) ***Krupinski EA**. El sustento legal in Estados Unidos. Diploma Telehealth National Institute of Public Health of Mexico, May 12, 2015. (oral)
- 567) ***Krupinski EA**. La telesalud como agente de cambio en el mundo actual. Diploma Telehealth National Institute of Public Health of Mexico, May 12, 2015. (oral)
- 568) ***Krupinski EA**. Generalidades de las tecnologias de las informacion aplicadas de la telesalud. Diploma Telehealth National Institute of Public Health of Mexico, May 19, 2015. (oral)
- 569) ***Krupinski EA**. Challenges in academic teleradiology. American Telemedicine Association Annual Meeting, Los Angeles, CA, May 2-5, 2015. (oral)
- 570) ***Krupinski EA**. Impact of fatigue on satisfaction of search (SOS). Medical Image Perception Society XVI Conference, Ghent, Belgium, June 2-5, 2015. (oral)
- 571) ***Krupinski EA**, *Alverson D, *Sorenson G, *Gutierrez M. Telemedicine in action: overcoming barriers to implementation and sustainability. 13th Annual Western Region Flex Conference, Tucson, AZ, Jun 10-12, 2015. (oral panel)
- 572) ***Krupinski EA**, MacKinnon L, Hasselbach K, Taljanovic M. Evaluating RVUs as a measure of workload for use in assessing fatigue. SPIE Medical Imaging, Orlando, FL, Feb 21-26, 2015. (poster)
- 573) ***Krupinski EA**, MacKinnon L, Reiner BI. Feasibility of using a biowatch to monitor GSR as a measure of radiologists' stress and fatigue. SPIE Medical Imaging, Feb 21-26, Orlando, FL, Feb 21-26, 2015. (oral)
- 574) ***Krupinski EA**, *McSwain D, *Berg J, *McKoy K. (2015). ATA's practice guidelines: roadmaps guiding telemedicine service. American Telemedicine Association Annual Meeting, Los Angeles, CA, May 2-5, 2015. (oral panel)
- 575) ***Krupinski EA**, Schartz K, Berbaum KS, Caldwell R, Schaeffer A. Impact of long work days on satisfaction of search (SOS). Association of University Radiologists, New Orleans, LA, April 14-17, 2015. (oral)
- 576) *Lewin JS, *Beauchamp NJ, *Omary RA, *Meltzer CC, ***Krupinski EA**, *Peshock R, *King KS. What is needed to jump-start a career in research? Association University Radiologists Annual Meeting, New Orleans, LA, Apr 14-17, 2015. (oral panel)

- 577) *Major J, *Lopez AM, ***Krupinski EA**. (2015). Delivering quality distance education. American Telemedicine Association Annual Meeting, Los Angeles, CA, May 2-5, 2015. (oral panel)
- 578) *Melville D, DelGiudice MP, Bocian DA, Gimber LH, **Krupinski EA**, Taljanovic MS. (2015). Sonographic evaluation of Morton's neuroma prior to and following laser therapy. Radiological Society of North American Annual Meeting, Chicago, IL, Nov 29-Dec 4, 2015. (ePoster)
- 579) *Nissim L, **Krupinski E**. (2015). VIR DIRECT Pathway: Survey of graduates and trainees from this pilot IR training program. Society Interventional Radiology, Atlanta, GA, Feb 28-Mar 5, 2015. (poster)
- 580) *Rabinowitz T, *Doarn C, *Hilty D, ***Krupinski E**, *Merrell R, *Myers K, *Sheeran T, *Turvey C, *Yellowlees P. Publish and flourish: approaches to getting your telemedicine research and ideas published. American Telemedicine Association Annual Meeting, Los Angeles, CA, May 2-5, 2015. (oral panel)
- 581) *Rabinowitz T, *Cremens MC, ***Krupinski EA**, *Hilty DM, *Mermelstein H. Using telepsychiatry to facilitate communication for psychosomatic medicine clinicians, colleagues, and patients. Academy of Psychosomatic Medicine Annual Meeting, New Orleans, LA, Nov 11-14, 2015. (oral panel)
- 582) *Solomon A, Spargo G, ***Krupinski E**, Wibberly K. Telehealth, public health, and health policy: bridging the geographic divide for rural populations. American Public Health Association Annual Meeting, Chicago, IL, Oct 31 – Nov 4, 2015. (oral panel)
- 583) *Thomas L, *Gilroy A, ***Krupinski E**, *Bernard J. Navigating a Fragmented Puzzle- An Overview of the Latest State Regulatory Actions, Policy Issues, & Quality Assurance for Telemedicine. American Telemedicine Association “The Business of Telemedicine: Understanding Different Delivery Models and Exploring their Regulatory Implications Series”, Apr 14, 2015. (oral panel)

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- 584) *Bashar A, Danielson H, Wessels J, Burse J, Jokerst C, **Krupinski E**, Callahan K, Cooke L, Luciano A, Panebianco J. Nutrition assessment in relation to muscle mass assessment via CT imaging in cardiac device recipients. Clinical Nutrition Week Conference, Jan 16-19, Austin, TX (oral)
- 585) *Gimber L, Garland L, **Krupinski EA**, Chadaz TS, Johnson KJ, Schwenk M, Najafi B, Taljanovic M. MR neurography and diffusion tensor imaging as a potential biomarker of chemotherapy induced peripheral neuropathy. Radiological Society of North America Annual Meeting, Nov 27 – Dec 2, Chicago, IL (ePoster)
- 586) Hilty DM, Armstrong AA, ***Krupinski EA**, Doarn CR, Ommen SR. A framework for training providers of telemedicine and e-health: competency-based education, evaluation and implications. Am Telemedicine Association Annual Conference, May 14-17, Minneapolis, MN. (oral panel)
- 587) ***Krupinski EA**. Early career professional development in medical imaging. SPIE Medical Imaging Conference, 27 February – 3 March, San Diego, CA. (oral)
- 588) ***Krupinski E**. Potential workflow advantages with single 8MP versus dual 5MP displays. SPIE Medical Imaging Conference, Feb 27 – Mar 3, San Diego, CA. (oral)
- 589) ***Krupinski EA**. Medical imaging displays: psychophysics and quality assurance. American Association of Physicists in Medicine, Mar 5-8, Salt Lake City, UT. (oral)
- 590) ***Krupinski EA**. Finance strategies for radiology research: private foundations. Association of University Radiologists Annual Meeting, Mar 29 – Apr 1, San Diego, CA. (oral)
- 591) ***Krupinski EA**. Business model for telehealth. South Central Telehealth Forum, Aug 102, Nashville, TN. (oral)

- 592) ***Krupinski EA**. A short history of image perception in radiology. RSNA Mini-Course “From Image to Decision: Science & Technology for Effective Interpretation: Why Study Perception?” Radiological Society of North America Annual Meeting, Chicago, IL, Nov 27 – Dec 2, 2016. (oral)
- 593) ***Krupinski EA**. On the development of expertise in image interpretation. RSNA Mini-Course “From Image to Decision: Science & Technology for Effective Interpretation: Why Study Perception?” Radiological Society of North America Annual Meeting, Chicago, IL, Nov 27 – Dec 2, 2016. (oral)
- 594) ***Krupinski EA**. Impact of fatigue on radiologists’ performance. RSNA Mini-Course “From Image to Decision: Science & Technology for Effective Interpretation: Why Study Perception?” Radiological Society of North America Annual Meeting, Chicago, IL, Nov 27 – Dec 2, 2016. (oral)
- 595) ***Krupinski EA**. What it takes to be an expert reviewer for the NIH – peer review demystified. Radiological Society of North America Annual Meeting, Chicago, IL, Nov 27 – Dec 2, 2016. (oral)
- 596) ***Krupinski EA**. Faculty tracks for imaging scientists. Radiological Society of North America Annual Meeting, Chicago, IL, Nov 27 – Dec 2, 2016. (oral)
- 597) ***Krupinski EA**. Telehealth standards and guidelines. Telehealth/Telemedicine Workshop Indian Health Service, Tribes & Urban Indian Programs. Nov 30 – Dec 1, Kansas City, MO (oral)
- 598) ***Krupinski EA**. Evaluating your Telehealth program. Telehealth/Telemedicine Workshop Indian Health Service, Tribes & Urban Indian Programs. Nov 30 – Dec 1, Kansas City, MO (oral)
- 599) ***Krupinski EA**, Applegate K, DeSimone A, Chung A, Tridandapani S. Impact of patient photos on visual search during radiograph interpretation. SPIE Medical Imaging Conference, Feb 27 – Mar 3, San Diego, CA. (poster)
- 600) ***Krupinski EA**, Applegate K, DeSimone A, Chung A, Tridandapani S. Does the inclusion of patient photos in image review impact viewing time and search strategies? Society for Imaging Informatics in Medicine, Jun 29 – Jul 1, Portland, OR. (oral)
- 601) **Krupinski EA**, *Erps KA. 10 years of providing support – the National Telehealth Resource Centers. Am Telemedicine Association Annual Conference, May 14-17, Minneapolis, MN. (poster)
- 602) ***Krupinski EA**, Gilroy A, Sorenson G, Theurer L. ATA practice guidelines: how can they be used effectively? Am Telemedicine Association Annual Conference, May 14-17, Minneapolis, MN. (panel)
- 603) ***Krupinski EA**, Levenson RM, Navarro V, Wasserman EA. The potential of pigeons as surrogate observers in medical image perception studies. SPIE Medical Imaging Conference, Feb 27 – Mar 3, San Diego, CA. (oral)
- 604) ***Krupinski E**, Reeves J, Hall J, Pillers R. Barriers & Implementation: Barriers to Quality Healthcare and strategies to Overcome Those. Nevada Telemedicine Strategic Planning 2016, Reno, NV, Jan 15, 2016. (oral panel)
- 605) *Liu F, Lin Y, Ahanonu E, Marcellin M, Ashok A, **Krupinski EA**, Bilgin A. Visibility thresholds for visually lossy JPEG2000. SPIE Optical Engineering + Applications, Aug 28 – Sep 1, San Diego, CA. (oral)
- 606) Probst J, Udayasankar U, **Krupinski E**, *Khan R. IAC fundus enhancing pseudolesion: first reported incidence on post contrast 1mm volumetric T1 space. Am Society NeuroRadiology, May 23-26, Washington, DC. (oral)
- 607) Rabinowitz T, Brooks E, Turvey C, Hilty D, Myers KM, Merrell R, ***Krupinski E**. How to get your work published. Am Telemedicine Association Annual Conference, May 14-17, Minneapolis, MN.

(workshop)

608) *Royce Z, **Krupinski E**, Fountain AJ, Corey A. Clinical decision support: will it matter? American College of Radiology Annual Meeting, May 15 – 19, Washington, DC. (poster)

609) *Taljanovic M, Melville D, DelGiudice M, Bocian D, **Krupinski E**. Ultrasound evaluation of Morton's neuroma prior to and following laser therapy. Society Skeletal Radiology Annual Meeting, Mar 13-16, New Orleans, LA. (oral)

610) Vice D, Wibberly K, ***Krupinski E**, Eswaran H, Rhodes S. Presentation of telehealth research findings. South Central Telehealth Forum, Aug 1-2, Nashville, TN. (oral panel)

611) *Winsor K, Desoky S, Gilbertson D, **Krupinski E**. Physician knowledge, attitudes and recommendations regarding lactation in patients undergoing contrast-enhanced imaging studies. American Society of Emergency Radiology, Sep 14-17, San Francisco, CA (poster)

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612) *Akin-Akintayo O, Alexander L, Neil R, **Krupinski EA**, Moreno CC. Patient mis-centering during CT of the chest, abdomen and pelvis: findings from 57,621 acquisitions and impact on dose. American Roentgen Ray Society, Apr 30 – May 5, New Orleans, LA (oral)

613) *Auffermann WF, **Krupinski EA**, Tridandapani S. Search pattern training for central line positioning on chest radiography. Medical Image Perception Society XVII Meeting, Jul 12-15, Houston, TX. (oral)

614) Bittman RW, **Krupinski EA**, Peters GL. Cholangitis: a common and dangerous complication of percutaneous transhepatic biliary drainage. Radiological Society of North America Annual Meeting, Nov 26-Dec1, Chicago, IL. (Poster)

615) Chetlen AL, ***Krupinski EA**, Degnan AJ, Tong A. The impact of federal and nonfederal funding sources on radiology research. Association of University Radiologists Annual Meeting, May 8-11, Hollywood, FL (oral panel)

616) D'Orsi CJ, **Krupinski EA**, Sklair-Levy M, Sella T, Halpern EF, Izhaky D. Three-dimensional functional infrared imaging in breast cancer screening of women with dense breasts: observer performance study. Radiological Society of North America Annual Meeting, Nov 26-Dec1, Chicago, IL. (Oral)

617) *Eshghi N, Garland L, Nia ES, Beancourt RA, **Krupinski EA**, Kuo P. FDG-PET/CT predicts development of thyroiditis due to immunotherapy for lung cancer. Radiological Society of North America Annual Meeting, Nov 26-Dec1, Chicago, IL. (Oral)

618) *Fibus TF, Moreno CC, **Krupinski EA**, Kim DH, Pickhardt PJ. Addressing Racial Disparity in Colorectal Cancer Screening with CT Colonography: Experience in an African-American Cohort. American Association for Cancer Research Conference on The Science of Cancer Health Disparities in Racial/Ethnic Minorities and the Medically Underserved, Sep 27, Atlanta, GA. (poster)

619) Gilroy A, ***Krupinski E**, Pletcher SN. Finding and vetting your perfect Telehealth partner. Service Provider Showcase, Oct 2-3, Phoenix, AZ (oral panel).

620) *Gimber L, Garland L, **Krupinski EA**, Chadaz TS, Johnson KJ, Schwenk M, Najafi B, Taljanovic M. MR neurography and diffusion tensor imaging as a potential biomarker of chemotherapy induced peripheral neuropathy. Society Skeletal Radiology Annual Meeting, Mar 10-22, Santa Barbara, CA (oral)

621) *Gimber LH, **Krupinski EA**, Turker T, Becker GW, Sheppard JE, Chadaz TS, DeSilva GL,

Taljanovic MS. Diffusion tensor imaging of the median nerve with ultrasound correlation in patients with carpal tunnel syndrome before and after flexor reticular release. Radiological Society of North America Annual Meeting, Nov 26-Dec1, Chicago, IL. (Oral)

622) *Hanna TN, Zygmunt ME, Peterson R, Shekhani H, Theriot D, Johnson JO, **Krupinski EA**. Up all night: the effect of fatigue from overnight shifts on radiology search patterns. American Society of Emergency Radiology Annual Meeting, Sep 14-17, San Francisco, CA (oral)

623) *Hanna TN, Zygmunt ME, Peterson R, Shekhani H, Theriot D, Johnson JO, **Krupinski EA**. The effect of fatigue from overnight shifts on radiology search patterns. Radiological Society of North America Annual Meeting, Nov 26-Dec1, Chicago, IL. (Oral)

624) Hilty DM, Armstrong AA, ***Krupinski EA**, Doarn CR, Ommen SR. A framework for training providers of telemedicine and e-health: competency-based education, evaluation and implications. Am Telemedicine Association Annual Conference, April 23-25, Orlando, FL. (oral panel)

625) ***Krupinski EA**. Early career professional development in medical imaging. SPIE Medical Imaging Conference, Feb 11-16, Orlando, FL (oral short course)

626) ***Krupinski EA**. Evaluation Telehealth programs. Mid-Atlantic TeleHealth Resource Center Telehealth Summit, Apr 2-4, Leesburg, VA (oral)

627) ***Krupinski EA**. Why the need for research in health care technology? Mid-Atlantic TeleHealth Resource Center Telehealth Summit, Apr 2-4, Leesburg, VA (oral)

628) ***Krupinski EA**. What's more important – assessing telehealth technology or telehealth users? Am Telemedicine Association Annual Conference, April 23-25, Orlando, FL. (oral panel)

629) ***Krupinski EA**. From Arizona Telemedicine Program to Recent Research in Radiology & Imaging Sciences. Am Telemedicine Association Annual Conference, April 23-25, Orlando, FL. (oral)

630) ***Krupinski EA**. Telemedicine models & making it work. I Foro Internacional de Telemedicina y Telesalud – Uruguay. May 11-12, Montevideo, Uruguay. (oral)

631) ***Krupinski EA**. Examining ways to decrease errors of interpretation due to fatigue & increase performance. IDEXX Telemedicine Business Symposium, May 15-16, Portland, OR. (oral)

632) ***Krupinski EA**. Taking Telehealth Mainstream. Northeast Telehealth Resource Center Taking Telehealth Mainstream. May 23-24, Amherst, MA. (oral keynote address)

633) ***Krupinski EA**. Vision for telemedicine. Southeast Regional Genetics Network (SERN) 36th Annual Meeting of the Southeastern Regional Genetics Group (SERGG), Jul 20-22, Asheville, NC. (oral)

634) ***Krupinski EA**. Making telehealth mainstream: challenges & winning strategies. Third International Meeting on Internet & Audiology, Jul 27-28, Louisville, KY. (oral keynote address)

635) ***Krupinski EA**. Designing the optimal reading room environment: a radiology perspective. American Association of Physicists in Medicine Annual Meeting, Jul 30 – Aug 3, Denver, CO. (oral)

636) ***Krupinski EA**. ROC methods in diagnostic imaging. American Association of Physicists in Medicine Annual Meeting, Jul 30 – Aug 3, Denver, CO. (oral)

637) ***Krupinski EA**. Telehealth update. Colorado Medical Society Annual Meeting, September 15-17, Breckenridge, CO. (oral)

638) ***Krupinski EA**. Taking Telehealth mainstream: key considerations. III Congreso Iberoamericano de

Telesalud y Telemedicina. Oct 4-6, Bogota, Columbia (oral)

639) ***Krupinski EA**. Faculty tracks for imaging scientists. Radiological Society of North America Annual Meeting, Nov 26-Dec1, Chicago, IL. (Oral)

640) ***Krupinski EA**, Britton BP, Mehrotra A. Assessing quality in telehealth initiatives. Mid-Atlantic TeleHealth Resource Center Telehealth Summit, Apr 2-4, Leesburg, VA (oral round table)

641) ***Krupinski EA**, de Lange M, Navarro VM, Wasserman EA, Levenson RM. Human, animal & computer-based medical image interpretation: what can we learn? Medical Image Perception Society XVII Meeting, Jul 12-15, Houston, TX. (oral)

642) ***Krupinski EA**, Goldwater JC, Hollander JE, McCool RR. Show me the data! Outcomes and savings from Telehealth partnerships. Service Provider Showcase. Oct 2-3, Phoenix, AZ (oral panel)

643) ***Krupinski EA**, Louder D. Successful telehealth business models for the health system, hospital or clinic. Northeast Telehealth Resource Center Taking Telehealth Mainstream. May 23-24, Amherst, MA. (oral panel)

644) ***Krupinski EA**, Schartz KM, Caldwell RT, Madsen M, Berbaum KS. Does fatigue have any impact on satisfaction of search? SPIE Medical Imaging Conference, Feb 11-16, Orlando (oral)

645) ***Krupinski EA**, Seidel RL. Musculoskeletal discomfort in radiologists. Medical Image Perception Society XVII Meeting, Jul 12-15, Houston, TX. (oral)

646) ***Krupinski EA**, Ward M, North S, Berliner E. Evaluating a telemedicine program. Mid-Atlantic TeleHealth Resource Center Telehealth Summit, Apr 2-4, Leesburg, VA (oral panel)

647) *Kunjummen JM, Newell MS, Gilliland LL, Ronak S, **Krupinski EA**. Benefits of alternative hours in screening mammography program. American College of Radiology Annual Meeting, May 21-25, Washington, DC (ePoster)

648) *Lindquester WS, Prologo JD, **Krupinski EA**, Peters GL. Treatment variables associated with improved long-term outcome in patients receiving percutaneous biliary drainage for benign anastomotic biliary strictures. Cardiovascular Interventional Radiology Society of Europe Annual Meeting, Sep 16-20, Copenhagen, Denmark (poster)

649) *Mason K, Necessary S, Prater A, O'Shea J, **Krupinski E**, Fountain J, Corey A. Are we choosing wisely? Awareness and understanding of imaging utilization guidelines in management of patients with headaches – radiologists versus ordering providers. Georgia Radiological Society Annual Meeting, Jun 2-4, Hilton Head, SC (poster – Best Poster Award)

650) *Necessary S, Mason K, Prater A, Fountain J, **Krupinski E**, O'Shea J, Corey A. Call the radiologist and get a CT head: imaging utilization in ED patients with headaches – theory versus reality. Am Society of Neuroradiology Annual Meeting, Apr 22-27, Long Beach, CA. (oral)

651) Orton C, Cedrvino L, Ranger N, ***Krupinski E**, McNitt-Gray M, Avery S, Moran J, Pollard J. In memorium of Ann Wright: Panel discussion promoting diversity through active mentorship. American Association of Physicists in Medicine Annual Meeting, Jul 30 – Aug 3, Denver, CO. (oral panel)

652) *Seidel RL, **Krupinski EA**. The agony of it all: musculoskeletal discomfort in the reading room. American College of Radiology Annual Meeting, May 21-25, Washington, DC (ePoster)

653) *Taljanovic MS, Esparza M, Gimber LH, Chadaz TS, Truchan L, **Krupinski EA**, Mohty K, Wild J. Ultrasound evaluation of radial nerve palsy associated with humeral shaft fracture to guide operative versus conservative treatment. Radiological Society of North America Annual Meeting, Nov 26-Dec1,

Chicago, IL. (Oral)

654) *Trofimova A, Keskinocak P, Cavazuti B, **Krupinski E**, Corey A. MRI orders prioritization and associated effects on appropriate utilization of MRI at a large public hospital. Radiological Society of North America Annual Meeting, Nov 26 – Dec 1, Chicago, IL (oral)

655) *Wick CA, Bhatti P, Eapen G, Goertemiller B, Safdar N, **Krupinski EA**, Tridandapani S. Implementing an automated system for acquiring patient photographs simultaneously with radiographs in a clinical PACS environment. Society for Imaging Informatics in Medicine Annual Meeting, Jun 1-3, Pittsburgh, PA (oral)

656) Wills A, Safdar N, ***Krupinski E**. Future of eHealth/digital healthcare/Telehealth – connecting, collaborating and coordinating care. Ga HIMSS Annual Conference, Oct 17, Atlanta, GA (oral panel)

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657) Annigeri P, **Krupinski E**, Poisson L, Brown M, Griffith B. Second or last? Most appropriate author position for the faculty mentor: results of an AUR survey. Association of University Radiologists Annual Meeting, May 7-10, Orlando, FL (oral)

658) *Bittman RW, **Krupinski EA**, Peters GL. Obstructive cholangiocarcinoma: hilar location as an indication for initial percutaneous management. Society Interventional Radiology Annual Meeting, March 17-22, Los Angeles, CA (oral)

659) *Braileanu M, Kadom N, Mullins M, Risk B, **Krupinski E**, Saindane A, Weinberg B. Structured tool for screening candidates for academic neuroradiology faculty positions. Radiological Society of North America Annual Meeting, Nov 25-30, Chicago, IL (oral)

660) *Braileanu M, Weinberg B, Mullins M, **Krupinski E**, Saindane A, Kadom N. Reducing bias in academic faculty hiring through resume screening. American College of Radiology Annual Meeting, May 19-23, Washington, DC (ePoster)

661) Brown DE, Chen PHH, Geis JR, Jones T, Kennedy R, **Krupinski EA**, Langlotz CP, Meenan CD, Nagy PG, Safdar N, Siddiqui KM, Wiggins RH, Yates CH. How to thrive in your career: speed imaging informatics mentoring. Society for Imaging Informatics in Medicine Annual Meeting, May 31 – Jun 2, National Harbor, MD (oral panel)

662) Bruno M, **Krupinski E**, Mosher T, Zuckerman P. How did I not see that? The impact of work environment on diagnostic perceptual errors in radiology. Society to Improve Diagnosis in Medicine Annual Meeting, Nov 3 – 6, New Orleans, LA (oral panel)

663) Cai J, Xing L, **Krupinski E***. Point/counterpoint live debate: artificial intelligence will soon change the landscape of medical physics research and practice. American Association of Physicists in Medicine Annual Meeting, Jul 29 – Aug 2, Nashville, TN (oral debate)

664) Dabrowiecki A, Bertino F, Balthazar P, Peterson R, **Krupinski E**. Research production for the clinical educator: extracting objectivity from educational interventions. Association of University Radiologists Annual Meeting, May 7-10, Orlando, FL (poster)

665) *Fleming M, Hockenberry J, Newell M, **Krupinski E**, Duszak R. The impact of human capital depreciation on recall rates in screening mammography: results of a pilot study of 50,000 examinations. American College of Radiology Annual Meeting, May 19-23, Washington, DC (ePoster)

666) Kadom N, Applegate K, Caul S, Duszak R, Heilbrun M, **Krupinski E**, Safdar N, Tamasi S, Trofimova A. Info-RADS – informing patients of next steps. American College of Radiology Quality & Safety Annual Meeting, Oct 9-11, Boston. MA.

- 667) ***Krupinski EA**. Radiology Research 2025: the lessons learned and the future. Association of University Radiologists Annual Meeting, May 7-10, Orlando, FL (keynote oral)
- 668) ***Krupinski, EA**. New technologies, enterprise imaging & workflow: where do the users fit in? Society for Imaging Informatics in Medicine Annual Meeting, May 31 – Jun 2, National Harbor, MD (keynote oral)
- 669) ***Krupinski, EA**. Reducing radiation dose in digital mammography by increasing display luminance. Society for Imaging Informatics in Medicine Annual Meeting, May 31 – Jun 2, National Harbor, MD (oral)
- 670) ***Krupinski EA**. What medical radiology has learned about the image interpretation process. International Academy of Endodontics Annual Meeting, Jun 28-30, Phoenix, AZ (Oral invited)
- 671) ***Krupinski EA**. Increasing display luminance as a means to enhance interpretation accuracy and efficiency when reducing full-field digital mammography dose. 14th International Workshop on Breast Imaging, July 8-11, Atlanta, GA. (poster)
- 672) ***Krupinski EA**. National Telehealth Resource Centers. Bureau of Health Workforce Division of Regional Operators, July 16, Washington, DC (webinar)
- 673) ***Krupinski EA**. Diagnostic accuracy in Telehealth assessment. Society for Education and Advancement of Research in Connected Health, Oct 24-25, San Diego, CA. (oral)
- 674) ***Krupinski EA**. Don't worry about the technology – it's all about the people! Consultation-Liaison Psychiatry 2018, Nov 13-17, Orlando, FL. (oral invited keynote)
- 675) ***Krupinski EA**. A short history of image perception in radiology. Radiological Society of North America Annual Meeting, Nov 25-30, Chicago, IL (oral)
- 676) ***Krupinski EA**. On the development of expertise in image interpretation. Radiological Society of North America Annual Meeting, Nov 25-30, Chicago, IL (oral)
- 677) ***Krupinski EA**. Impact of fatigue on radiologists' performance. Radiological Society of North America Annual Meeting, Nov 25-30, Chicago, IL (oral)
- 678) ***Krupinski EA**. Faculty tracks for imaging scientists. Radiological Society of North America Annual Meeting, Nov 25-30, Chicago, IL (oral)
- 679) ***Krupinski EA**. Commercial partnerships, IP and technology transfer. Radiological Society of North America Annual Meeting, Nov 25-30, Chicago, IL (oral)
- 680) ***Krupinski EA**. Medical image perception and its importance in resident education. Radiological Society of North America Annual Meeting, Nov 25-30, Chicago, IL (oral)
- 681) ***Krupinski EA**, Comas M, Gallego LG. A new software platform for interdisciplinary tumor board: workflow and user satisfaction assessment. Ventana Medical Systems Tucson Symposium, Mar 13-14, Tucson, AZ (poster)
- 682) ***Krupinski EA**, Pitt A. Teleradiology: lessons learned for telemedicine from an established specialty. American Telemedicine Association Annual Meeting, Apr 20 – May 1, Chicago, IL (oral workshop)
- 683) *Locher PJ, Tinio P, **Krupinski EA**. The impact of surface cleaning restoration of paintings on observers' eye fixation patterns and artworks' pictorial and aesthetic qualities. International Association of Empirical Aesthetics, Aug 30 – Sep 2, Toronto, Canada (oral)

- 684) *Locher PJ, Tinio P, **Krupinski EA**. Art Restoration and the Aesthetic Evaluation of Paintings. American Psychological Association Annual Meeting, Aug 9-12, San Francisco, CA (oral)
- 685) Rabinowitz T, Brooks E, Doarn C, Hilty D, Merrell R, Mohin S, ***Krupinski E**. Getting your work published. American Telemedicine Association Annual Meeting, Apr 20 – May 1, Chicago, IL (oral workshop)
- 686) Rabinowitz T, ***Krupinski E**, Lavakumar M, Oldham M, Rosenthal L. Publishing in C-L Psychiatry. Consultation-Liaison Psychiatry 2018, Nov 13-17, Orlando, FL. (oral panel)
- 687) *Rodriguez-Ruiz A, **Krupinski EA**, Mordang JJ, Schilling K, Heywang-Kobrunner SH, Sechopoulos I, Mann RM. Can radiologists optimize their reading time in mammography by using an artificial intelligence computer system for decision support? European Society for Breast Imaging, Oct 11-13, Athens, Greece (oral)
- 688) *Rodriguez-Ruiz A, **Krupinski EA**, Mordang JJ, Schilling K, Heywang-Kobrunner SH, Sechopoulos I, Mann RM. Improving radiologists' breast cancer detection with mammography using a deep learning-based computer system for decision support. Radiological Society of North America Annual Meeting, Nov 25-30, Chicago, IL (oral)
- 689) Shore J, Turvey C, Caudill R, Yellowlees P, Mishkind M, Hilty D, **Krupinski E**, Kaftarian E. Telepsychiatry best practices: joint American Psychiatric Association and ATA recommendations. American Telemedicine Association Annual Meeting, Apr 20 – May 1, Chicago, IL (oral panel)
- 690) Shore J, Turvey C, Caudill R, Mishkind M, Hilty D, Yellowlees P, **Krupinski E**. Telepsychiatry best practices: joint American Psychiatric Association and ATA committee recommendations. American Psychiatric Association Annual Meeting, May 5-9, New York City, NY (oral panel)
- 691) *Tridandapani S, Bhatti P, Brown RK, **Krupinski EA**, Wick CA, Safdar NM. Right diagnosis, wrong patient! A picture is worth a thousand images: the value of photo-verification technology. Radiological Society of North America Annual Meeting, Nov 25-30, Chicago, IL (poster)
- 692) *Tridandapani S, Bhatti P, **Krupinski EA**, Safdar NM, Wick CA. Visible light imaging: adding patient point-of-care photography to portable radiography – a first clinical implementation experience. Radiological Society of North America Annual Meeting, Nov 25-30, Chicago, IL (oral)
- 693) Woloschak G, Giger M, Carlos R, Vanier M, **Krupinski EA**. NIH grantsmanship workshop. Radiological Society of North America Annual Meeting, Nov 25-30, Chicago, IL (oral panel)

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- 694) Berkowitz L, Smith S, **Krupinski E**, Fisher E. Antibiotic Stewardship Roundtable. Nov 20-22, Washington, DC (roundtable, facilitator)
- 695) Bittman RW, **Krupinski E**, Peters GL. Hilar Biliary Obstruction: Endoscopic vs. Percutaneous Management. Roads traveled and future directions. Oct 10, Southeastern Angiographic Society Annual Meeting, Charlotte, NC (oral)
- 696) Chung CY, Lee TY, **Krupinski E**, Prater A. Predicted radiation dosage and time savings with ideal adaptive CT perfusion protocol. Nov 3-5, San Francisco, CA (oral)
- 697) Chung CY, Lee TY, Prater AB, **Krupinski EA**. Prediction of CT Perfusion Arterial and Venous Time-attenuation Curve Parameters Using Deep Learning Systems: Proof-of-concept for Developing a Personalized CT Perfusion Protocol for Acute Stroke Workup. Radiological Society of North America Annual Meeting, Dec 1-6, Chicago, IL (poster)

- 698) Dabrowiecki A, **Krupinski E**. Do blue light filtering glasses reduce symptoms of computer vision syndrome? Am College of Radiology Annual Meeting, May 19-23, Washington, DC (ePoster)
- 699) Dillman JR, Gupta A, Kamaya A, Kontos D, **Krupinski EA**, Liapi EA, Maturen KE. Career Development. Radiological Society of North America Annual Meeting, Dec 1-6, Chicago, IL (panel)
- 700) Eskreis-Winkler S, Pinker-Domenig K, Sutton EJ, Cohen O, Sabuncu M, **Krupinski EA**, Otazo R, Dodelzon K, Morris EM. Multi-site Deep Learning Initiative with Decision Support to Improve Diagnostic Accuracy of Breast MRI and Reduce Unnecessary Biopsies. Radiological Society of North America Annual Meeting, Dec 1-6, Chicago, IL (poster)
- 701) Ganeshan DM, Auffermann WF, **Krupinski EA**, Naeger DM, Richardson ML. Biostatistics II. Association of University Radiologists Annual Meeting, Apr 9-12, Baltimore, MD. (oral panel)
- 702) Kang SK, Cronin PP, Relyea-A, Zafar HM, **Krupinski EA**, Chew FS. Preparing for & performing research. Association of University Radiologists Annual Meeting, Apr 9-12, Baltimore, MD. (oral panel)
- 703) Kadom N, **Krupinski EA**, Higgins M, Norbash A, West D. Diversity: Hiring & retaining the best. Am Roentgen Ray Society Annual Mtg, May 5-10, Honolulu, HI. (oral panel)
- 704) **Krupinski EA**. Medical imaging: the need for human-artificial intelligence synergy. SPIE Photonics West Annual Meeting, Jan 2-7, San Francisco, CA. (oral invited)
- 705) **Krupinski EA**. Impact of patient photos on detection accuracy, decision confidence, and eye-tracking parameters in chest and abdomen images with tubes and lines. SPIE Medical Imaging Mtg, Feb 16-21, San Diego, CA. (oral)
- 706) **Krupinski EA**. Radiology research in AI. Association of University Radiologists Annual Meeting, Apr 9-12, Baltimore, MD. (oral round table)
- 707) ***Krupinski EA**. Telehealth today: where are we & where might we go. gpTRAC Telehealth Everywhere Conference. Apr 28-30, Minneapolis, MN. (oral keynote invited)
- 708) ***Krupinski EA**. What is the role of artificial intelligence in medical imaging? Information in Technology in Biomedicine Conference, Jun 17-19, Kamien Slaski, Poland. (oral keynote invited)
- 709) ***Krupinski EA**. Incorporating patient photographs in the radiology image acquisition & interpretation process. Information in Technology in Biomedicine Conference, Jun 17-19, Kamien Slaski, Poland. (oral)
- 710) ***Krupinski EA**. How to thrive in your career: imaging informatics speed mentoring. Society for Imaging Informatics in Medicine Annual Meeting, Jun 26-28, Denver, CO (round table)
- 711) **Krupinski EA**, Fortney JC, Dorsey R. PCORI: Lessons learned in the conduct of multi-site telemedicine trials. May 10. (webinar)
- 712) **Krupinski EA**. Faculty tracks for imaging scientists. Radiological Society of North America Annual Meeting, Dec 1-6, Chicago, IL (poster)
- 713) **Krupinski EA**. Importance and development of clinical collaborations. Radiological Society of North America Annual Meeting, Dec 1-6, Chicago, IL (oral)
- 714) Lee CI, Probyn LJ, Omary RA, Gyftopoulos S, **Krupinski EA**, Lenchik L, Dunnick NR. Designing a better future through radiology research. Association of University Radiologists Annual Meeting, Apr 9-12, Baltimore, MD. (oral panel)

- 715) Lillis SM, Kelman KR, Rayside M, **Krupinski EA**. Human eye health in veterinary radiology. Australian New Zealand College of Veterinary Scientists Science Week Conference, Jul 4-6, Gold Coast, Australia. (oral)
- 716) Mall S, **Krupinski EA**, Mello-Thoms CR. Missed cancer and visual search of mammograms: what feature based machine-learning can tell us that deep-convolution learning cannot? SPIE Medical Imaging Mtg, Feb 16-21, San Diego, CA. (poster)
- 717) Mello-Thoms C, **Krupinski EA**, Chen Y, Horii S, Summers R. Visual search in medical imaging interpretation: theory & practice. SPIE Medical Imaging Conference, Feb 16-21, San Diego, CA (workshop)
- 718) Posch M, Kay MD, Harhash A, Huang J, **Krupinski EA**, Abidov A, Kuo PH. Chronic caffeine consumption is associated with lower incidence of symptoms and hemodynamic changes during pharmacologic stress with regadenoson. Society of Nuclear Medicine & Molecular Imaging Annual Meeting, Jun 22-25, Anaheim, CA. (poster)
- 719) Sadigh G, Lava N, Switchenko J, Duszak R, Krupinski EA, Meltzer CC, Hughes D, Carlos RC. Patient-Reported Financial Toxicity in Multiple Sclerosis: Predictors and Association with Neuroimaging and Medication Non-Adherence. Radiological Society of North America Annual Meeting, Dec 1-6, Chicago, IL (oral)
- 720) Salkowski LR, Elezaby MA, **Krupinski EA**. Meaningful Feedback in Breast Imaging Simulation Assessment. Medical Image Perception Society XVIII, Jul 13-17, Salt Lake City, UT. (oral)
- 721) Shipman S, **Krupinski E**, Sikka N. Telehealth, virtual care, and more! How will we train clinicians to deliver care through technology? AAMC Annual Meeting, Nov 8-12, Phoenix, AZ. (oral panel)
- 722) Taljanovic MS, Kim W, Caruso C, **Krupinski EA**, Nuncio Zuniga A, Latt LD. Ultrasound shear wave elastography of the tibialis posterior tendon and tibiospring/spring ligaments at rest and stress in normal feet compared to asymptomatic and symptomatic adult acquired flatfoot deformity. Society for Skeletal Radiology Annual Meeting, Mar 10-31, Scottsdale, AZ (oral)
- 723) Tridandapani S, Wick CA, Bhatti P, Heilbrun ME, **Krupinski EA**. Human outside the loop: new technology and automating compliance. Society for Imaging Informatics in Medicine Annual Meeting, Jun 26-28, Denver, CO (poster – 2nd place best poster award)
- 724) Wick CA, Bhatti PT, Heilbrun ME, Krupinski EA, Safdar NM, Tridandapani S. Beyond Error Detection and Efficiency Enhancement: Point-of-Care Photography as a QI Tool in Radiography. Radiological Society of North America Annual Meeting, Dec 1-6, Chicago, IL (poster)
- 725) Woloschak G, Giger M, Carlos R, Vanier M, **Krupinski EA**. NIH grantsmanship workshop. Radiological Society of North America Annual Meeting, Dec 1-6, Chicago, IL (oral panel)
- 726) Wong K, Kunjummen M, Shah R, Gilliland L, **Krupinski E**, Newell M. Patient disability of alternative hours of screening mammogram. Am College of Radiology Annual Meeting, May 18-22, Washington, DC (eposter)
- 727) Zhan H, Schartz K, Zygmunt M, Johnson JO, **Krupinski EA**. The Impact of Fatigue on Complex Radiographic Case Interpretation. Medical Image Perception Society XVIII, Jul 13-17, Salt Lake City, UT. (oral)

2020

- 728) Chadaz TS, Taylor P, Pappalardo J, Rice A, McCurdy W, **Krupinski E**, Taljanovic MS. Is there added value of DWI and intravenous contrast with MRI of diabetic foot infections? Society of Skeletal Radiology Annual Meeting, Mar 29 – Apr 1, Huntington Beach, CA (oral).
- 729) Chen Y, **Krupinski EA**, Taylor-Phillips S, Jacobson F. Task-driven AI: taking into account the user's perspective. SPIE Medical Imaging: Perception, Observer Performance, and Technology Assessment Conference, Feb 15 – 20, Houston, TX (workshop)
- 730) Chung CY, Vaz M, Nieboer KH, Barnes B, **Krupinski EA**, Lee TY, Prater AB. Automated detection of average cerebral tissue attenuation peak: first step towards developing an adaptive CT perfusion protocol. American Society Neuroradiology, May 30 – Jun 4, (virtual) (ePoster)
- 731) Clark S, **Krupinski EA**. Use of Telemedicine in Emergency Medicine Research. Society for Academic Emergency Medicine Consensus Conference 2020. Sep 22-24, virtual (oral & breakout group leaders)
- 732) Dabrowiecki A, Villalobos A, **Krupinski EA**. Blue light filtering glasses and computer vision syndrome: a pilot study. SPIE Medical Imaging: Perception, Observer Performance, and Technology Assessment Conference, Feb 15 – 20, Houston, TX (oral)
- 733) Dansereau D, Elliott TB, Koppelmam D, **Krupinski E**, Knierim K, MacDonnell F, Salam T, Scitt J, Shah E, Shoal L. Workflows & Documentation. HHS Telemedicine Hack Webinar series, Aug 12 (virtual)
- 734) Dennison DK, **Krupinski EA**, Nagy PG, Siegel EL, Wiggins RH. Back to the future – reimagining imaging informatics. Society Imaging Informatics Medicine, Jun 24-26, Virtual (invited keynote panel oral)
- 735) Hampton S, Weems K, Hayden E, **Krupinski E**. Telehealth competencies to train current and future physician workforce. Society for Education & the Advancement of Research in Connected Health, Nov 11-13, Virtual (oral)
- 736) Hayden E, Shoemaker M, Hampton S, Marcin J, **Krupinski E**, Renner AS, Co J. Strengthening your core: defining competencies for telehealth education. Crossing the Virtual Chasm: Rethinking Curriculum, Competency & Culture in the Virtual Care Era, Dec 10, Virtual (panel)
- 737) Hsu W, Brown MS, Nishikawa RM, **Krupinski EA**. From analytic to clinical validation: moving AI/ML into practice. SPIE Medical Imaging: Perception, Observer Performance, and Technology Assessment Conference, Feb 15 – 20, Houston, TX (workshop course)
- 738) **Krupinski EA**. The human-technology system interaction and integration within the broader healthcare enterprise. Telemental Health Preparedness Summit, May 19-20, Virtual (oral)
- 739) **Krupinski EA**. Imaging informatics – tech is cool, but what about the users? Society Imaging Informatics Medicine, Jun 24-26, Virtual (invited keynote oral)
- 740) **Krupinski EA**. The future of telemedicine in public health. Western Region Public Health Training Center Adapting Public Health to the New Normal Conference, Aug 4-21, Virtual (invited oral)
- 741) **Krupinski EA**. Faculty tracks for imaging scientists. Radiological Society of North America Annual Meeting, Nov 29 – Dec 5, Virtual (oral)
- 742) **Krupinski EA**. Importance and development of clinical collaborations. Radiological Society of North America Annual Meeting, Nov 29 – Dec 5, Virtual (oral)
- 743) **Krupinski EA**. AI in the clinic: it's not just AUC anymore. Society for Imaging Informatics in Medicine Conference on Machine Intelligence in Medical Imaging, Sep 13-14, virtual (invited oral)

- 744) **Krupinski EA**. What you should know about interacting with a Telehealth Resource Center. ConVerge2Xcelerate 2020, Nov 10-11, Virtual (oral)
- 745) **Krupinski EA**. Development and role of telemedicine competencies. Association Iberoamericana de Telesalud y Telemedicina. Oct 23-24, Virtual (oral invited)
- 746) **Krupinski EA**. Telemedicine impact. Health Professions Network Virtual Fall Conference, Nov 11-13 (oral invited)
- 747) **Krupinski EA**. What you should know about interacting with a telehealth resource center. ConV2X Telehealth & Telemedicine Today, Nov 10-11, Virtual (oral)
- 748) **Krupinski EA**. Human factors in research. Society for Education & the Advancement of Research in Connected Health, Nov 11-13, Virtual (oral)
- 749) **Krupinski EA**. Getting informed consent within telemedicine research. Society for Education & the Advancement of Research in Connected Health, Nov 11-13, Virtual (oral)
- 750) **Krupinski EA**. Telehealth standards, guidelines & evaluation. HRSA's Introducing Telehealth to Rural & Indigenous Communities: a Telehealth 101 Virtual Workshop. Nov 18-19, Virtual (oral invited)
- 751) **Krupinski EA**. Telehealth standards, guidelines & evaluation. Cardea ECHO. Dec 10, Virtual (oral invited)
- 752) **Krupinski EA**, Barta DT. What you should know about interacting with a Telehealth Resource Center. American Telemedicine Association Annual Meeting, Jun 22-26, Virtual (oral)
- 753) **Krupinski EA**, Clark S. Telehealth in Research. Society for Academic Emergency Medicine Consensus Conference 2020. Sep 22-24, virtual (oral & breakout group leaders)
- 754) **Krupinski EA**, Rowe N. Opportunities from COVID-19: telemedicine. American Association of Health & Human Services Attorneys Experience AAHSA 360 Meeting, Oct 20-21, Virtual (oral invited).
- 755) **Krupinski EA**, Smith S. Telehealth research dissemination forum: update on ATA's PCORI sponsored research forum. American Telemedicine Association Annual Meeting, Jun 22-26, Virtual (poster)
- 756) **Krupinski EA**, Zhan H, Saharaian S, Beheshtian E, Morales R, Yousem D. Where's WALDO: a potential tool for training radiology residents? SPIE Medical Imaging: Perception, Observer Performance, and Technology Assessment Conference, Feb 15 – 20, Houston, TX (oral)
- 757) Lowery C, **Krupinski EA**. Identifying gaps & opportunities in research. Society for Education & the Advancement of Research in Connected Health, Nov 11-13, Virtual (oral)
- 758) Manzanaro N, **Krupinski E**, Stewart K, Iannucci K, Peck C, Clendeaniel S, Bullock J. Providing real-time care to rural residents through advances in EMS & telehealth. National Rural Health Association Annual Conference, Jun 17-19, Virtual (panel)
- 759) Nelson D, Alverson D, Kressly S, Watson A, Deogracias A, Gustin T, Hawkins P, Rutledge C, Scott J, Wibberly K, Gracy J, **Krupinski E**. Clinical best practices. HHS Telemedicine Hack Webinar series, Sep 9, Virtual (panel)
- 760) Sharma R, Rheuban K, Marcin J, **Krupinski E**. Virtual telehealth in EM during the CIVID crisis: Lessons learned – Regulatory policy update. Society for Academic Emergency Medicine Annual Meeting, May 12-15, Virtual (panel)

- 761) Seltzer S, **Krupinski E**, Pisano E, Whitman G. AUR RRA Virtual Mentorship. Association of University Radiologists, Oct 13, Virtual (panel)
- 762) Siegel E, **Krupinski E**, Hanna C, Langs G, Tochilnik D. Best practices & standards for clinical implementation of AI. Society for Imaging Informatics in Medicine, Oct 21 (panel webinar)
- 763) Stember J, Holodny A, Swinburne N, Gutman D, Young R, **Krupinski E**. Eye tracking for cervical lymph node localization, longitudinal follow-up and for deep learning data labeling: a proof of concept. Am Society Neuroradiology, May 30 – Jun 4, Las Vegas, NV (oral)
- 764) Stember J, Stember D, Holodny A, Swinburne N, Young R, Gutman D, Ballangrud A, **Krupinski E**. Eye tracking for brain metastasis localization, longitudinal follow-up and deep learning image labeling: proof of concept. Am Society Neuroradiology, May 30 – Jun 4, Las Vegas, NV (oral)
- 765) Stember JN, Swinburne N, Gutman D, Young R, Holodny A, Bagci U, **Krupinski E**. Eye tracking for brain metastasis localization and longitudinal follow-up and for deep learning data: a proof of concept. American Society Neuroradiology, May 30 – Jun 4, (virtual) (ePoster)
- 766) Stember JN, Swinburne N, Gutman D, Young R, Holodny A, Bagci U, **Krupinski E**. Eye tracking with sustained gaze for cervical lymph node localization, longitudinal follow-up and deep learning data labeling: a proof of concept. American Society Neuroradiology, May 30 – Jun 4, (virtual) (ePoster)

2021

- 767) **Krupinski EA**. How to build a successful telemedicine program and generate revenue. Middle East Medical Telehealth: The Elite Masterclass Series. Mar 20 (virtual) (oral)
- 768) **Krupinski EA**. Telemedicine impact. National Consortium for Health Science Education. Jan 28 (virtual) (oral)
- 769) **Krupinski EA**. Emergence of telemedicine and possible career implications for health science educators. Utah State Board of Educators. May 15 (virtual) (oral)
- 770) **Krupinski EA**. Past, present & future of telemedicine. Mutah University (Jordan) Telemedicine experiences & applications: current & future conference. February 24 (virtual) (oral)
- 771) **Krupinski EA**. Effectively engaging families in telehealth. Mutah University (Jordan) Telemedicine experiences & applications: current & future conference. February 24 (virtual) (oral)
- 772) **Krupinski EA**. Telehealth competencies. Mutah University (Jordan) Telemedicine experiences & applications: current & future conference. February 24 (virtual) (oral)
- 773) **Krupinski EA**. Establishing rapport in telehealth encounters. Telehealth Certification Institute 2021 Summit: Telemental Health Tailored to Your Practice. Mar 22-24. (virtual) (oral)
- 774) **Krupinski EA**. Telehealth: history, logistics & evidence prior & during COVID-19. Dysphagia Research Society. Mar 9-12. (virtual) (invited keynote)
- 775) **Krupinski EA**. Helping make telemedicine work for you: the National Consortium of Telehealth Resource Centers! National Consortium for Health Science Education. Mar 31. (virtual) (oral)
- 776) **Krupinski EA**. Telehealth competencies. Telemedicine Poland 2021 International Telemedicine Conference. Apr 23-24. (virtual) (oral)
- 777) **Krupinski EA**. Virtual primary care. National Rural Health Resource Center Technical Assistance & Services Center FLEX webinar series. May 17. (virtual) (oral)

778) **Krupinski EA**. Methodological weaknesses of studies of provider-to-provider telehealth for rural patients: cancer prevention and control example. National Institutes of Health Pathways to Prevention Workshop Program. Oct 12-14. (virtual) (oral)

779) **Krupinski EA**. Measuring the impact of fatigue on radiology interpretation accuracy & efficiency. European Society of Medicine Congress 2021. Nov 11-13. (virtual) (oral)

780) **Krupinski EA**. Faculty tracks for imaging scientists. Radiological Society of North America Annual Meeting, Nov 28 - Dec 2, Chicago, IL (poster)

781) **Krupinski EA**. Importance and development of clinical collaborations. Radiological Society of North America Annual Meeting, Nov 28 - Dec 2, Chicago, IL (oral)

782) **Krupinski EA**, Gichoya J, Newsome J. Integrating telehealth into a radiology practice. Dell-Xtelligent Healthcare education series. Sep 29. (virtual) (oral)

783) **Krupinski EA**, Reis H. Telehealth – where are we today? 8th Annual Tribal Summit. Sep 16-17. (virtual) (oral)

784) **Krupinski EA**, Riley B, Robbins N, Salek S. Telehealth: “Soft” infrastructure aspects of pediatric telehealth. Quality Improvement Collaborative. Apr 6. (virtual) (oral)

785) **Krupinski EA**, Riley B, Robbins N, Salek S. Telehealth: “Soft” infrastructure aspects of adult telehealth. Quality Improvement Collaborative. Apr 13. (virtual) (oral)

786) **Krupinski EA**, Bolster M, Christopherson L. Applying quality frameworks to asynchronous use cases. Virtual Symposium on Quality Frameworks for Virtual Care. Nov 2. (virtual) (oral panel)

787) Lopez AM, **Krupinski EA**, Sanoff H, Weinstein RS. Telehealth forum. American Association for Cancer Research. Feb 3-5 (virtual) (roundtable)

788) Neuberger N, **Krupinski EA**, Harris Y. Quality & effectiveness of telehealth. National Rural Health Information Technology Coalition Meeting. Jun 17 (virtual) (roundtable)

789) Neufeld J, Barta D, **Krupinski EA**. Telemental health for rural America: tips and guidance for 2021 and beyond. Telehealth Certification Institute. Mar 5 (virtual) (roundtable)

790) Sobatka J, **Krupinski EA**. Telehealth/telemedicine. 5th Annual Healthy Communities Collaborative Network HIT Symposium: Data, Technology, and Innovation: Redesigning the Digital Health Era. Sep 23 (hybrid) (panel)

781) Wibberly K, Kwong M, **Krupinski EA**. Telemedicine Update. National Association of Community Health Centers Telehealth Office Hours. Sep 9 (virtual) (roundtable)

2022

782) Al Blooshi K, **Krupinski EA**, Fernandes J, Schmaus-Klughammer A. Digital workforce: resurfacing the forgotten dimension of sustainable telehealth programs. International Society for Telemedicine & eHealth MENA Telehealth Conference. Mar 7-8 (oral panel virtual)

783) Awan O, **Krupinski EA**, Dunnick R, Rosenkrantz A. RRA mentorship panel: All you need to know from the experts? Association University Radiologists Annual Meeting, Mar 22-25, Phoenix, AZ (oral panel)

- 784) Banerjee I, Santos T, Dhar R, Tariq A, **Krupinski EA**, Mullins ME, Grady EE. An automated AI toolkit for ranking of diagnostic radiology residency applications. Association University Radiologists Annual Meeting, Mar 22-25, Phoenix, AZ (oral)
- 785) Harris D, Yousem D, **Krupinski E**, Motaghi M. Eye-tracking differences between free text and template radiology reports. Medical Image Perception Society XIX. July 17-20, York, England (oral)
- 786) **Krupinski EA**. Southwest Telehealth Resource Center Overview. National Virtual Technology Showcase. Feb 2-3 (oral webinar)
- 787) **Krupinski EA**. In between are the doors of perception. SPIE Medical Imaging Conference. Feb 20-24, San Diego, CA (oral invited plenary).
- 788) **Krupinski EA**. How to incorporate telehealth to build the relationship with clients for positive outcomes. Arizona Telemedicine Program & Southwest Telehealth Resource Center's Occupational and Physical therapy Webinar Series Session 1: Building Relationships and Rapport with Telehealth. Feb 22 (virtual).
- 789) **Krupinski EA**. Disability evaluations in medicine & allied health: challenges & solutions for providers. National Academies of Sciences, Engineering & Medicine's The Use of Telehealth for Disability Evaluations in Medicine and Allied Health: A Workshop. Mar 9-10 (virtual oral)
- 790) **Krupinski EA**. The AAMC telehealth educational competencies – preparing our fellows for the delivery of telehealth medicine. American Academy of Pain Medicine. Mar 17-20, Scottsdale, AZ (virtual oral).
- 791) **Krupinski EA**. Regression analysis. Association University Radiologists Annual Meeting, Mar 22-25, Phoenix, AZ (oral)
- 792) **Krupinski EA**. Tips for successful manuscript submission. Association University Radiologists Annual Meeting, Mar 22-25, Phoenix, AZ (oral)
- 793) **Krupinski EA**. Telehealth: Moving Past the Pandemic. 7th Annual Rural Women's Health Symposium. Jul 14-15, Phoenix, AZ (oral keynote)
- 794) **Krupinski EA**. Image quality assessment of advanced reconstruction algorithm for point-of-care MRI scanner system. Medical Image Perception Society XIX. Jul 17-20, York, England (oral)
- 795) **Krupinski EA**. Assessing the impact of fatigue on radiologists' diagnostic performance. Congreso Argentino de Diagnostico por Images. Sep 22-24, Buenos Aires, Brazil (virtual oral)
- 796) **Krupinski EA**. Developing better ways to train radiologists – can Where's Waldo help? Congreso Argentino de Diagnostico por Images. Sep 22-24, Buenos Aires, Brazil (virtual oral)
- 797) **Krupinski EA**. Tech fatigue – telemedicine to the rescue or another contributor? NETRC 2022 Exploring the Telehealth Universe. Sep 29-30, Southbridge, MA (oral invited keynote)
- 798) **Krupinski EA**, McCullough M. The Telehealth Resource Centers: Response to COVID-19 and Beyond. National Rural Health Association Annual Meeting. May 10-13, Albuquerque, NM (oral)
- 799) **Krupinski EA**, Rodriguez J, Bathija P, Sklar T. Achieving digital health equity: is it a "one-size-fits-all" approach or personalized patient experience? Mass General Brigham Virtual Care Symposium, Nov 8, (virtual)
- 800) **Krupinski EA**, Wibberly K, Higa C. Telehealth on the move – mobile technology & emergency medical services (EMS). National Virtual Technology Showcase. Feb 2-3 (virtual panel)

801) Myers KJ, Giger ML, Gurcan MN, **Krupinski EA**, Loew M, Samei E, Siewerdsen JH, Summers RM. SPIE Medical Imaging 50th Anniversary Panel Discussion. SPIE Medical Imaging Conference. Feb 20-24, San Diego, CA (oral panel).

802) Nagy P, Armato S, Ren L, **Krupinski E**. SIIM-AAPM Joint Symposium: Machine Intelligence in medical Imaging. AAPM Annual Meeting. Jul 10-14, Washington, DC (oral panel).

803) Nagy P, Armato S, Ren L, **Krupinski E**. AAPM-SIIM Joint Symposium: Machine Intelligence in medical Imaging. AAPM Annual Meeting. Oct 3 (virtual panel).

804) Schnall M, Woodard P, Aboian M, **Krupinski EA**, Becker A. Navigating the Labyrinth of NIH. Academy for Radiology & Biomedical Imaging Research Council of Early Investigators in Imaging. Apr 28 (virtual panel)

805) Spieler B, **Krupinski E**, Decker S. Radiology Research Alliance Working Groups Update. Association University Radiologists Annual Meeting, Mar 22-25, Phoenix, AZ (oral)

2023

806) Andriole K, Cook T, Crawford J, Dennison D, Garriott K, Johnstone L, **Krupinski E**, Magudia K, Tejani A, Tomaselli C, Wang K. SIIM NIIC-RAD Parking Lot Q&A. SIIM NIIC, Mar 10 (virtual panel)

807) Bala W, Essien M, **Krupinski E**, Weinberg B. A deliberate practice approach for improving the detection of acute stroke on non-contrast CT. American Roentgen Ray Society Annual Meeting, Apr 16-20, Honolulu, HI (poster)

808) Barnosky V, **Krupinski EA**, Cook T. Have fun, learn & build your CV – how to be a great peer reviewer for SIIM's Journal of Digital Imaging. Society for Imaging Informatics in Medicine Annual Mtg, Jun 14-16, Austin, TX (oral workshop)

809) Hsu W, Brown MS, Nishikawa RM, **Krupinski EA**. From analytic to clinical validation: moving AI/ML into practice. SPIE Medical Imaging: Perception, Observer Performance, and Technology Assessment Conference, Feb 19 – 23, San Diego, CA (workshop course)

810) **Krupinski EA**. Telehealth evaluation 101. Association of State and Territorial Health Officials, Jan 12 (webinar)

811) **Krupinski EA**. Taking your telemedicine program to the next level – exploring assessment metrics & methods. Arizona Telemedicine Program & Southwest Telehealth Resource Center, Feb 15 (webinar)

812) **Krupinski EA**. Translating computational innovations into reality: focus on the users! SPIE Medical Imaging Digital and Computational Pathology, Feb 19 – 23, San Diego, CA (invited keynote)

813) **Krupinski EA**. Regression analysis. Association University Radiologists Annual Meeting, Apr 25-28, Austin, TX (oral)

814) **Krupinski EA**. Tips for successful manuscript submission. Association University Radiologists Annual Meeting, Apr 25-28, Austin, TX (oral)

815) **Krupinski EA**. Evaluating new technologies (including AI) – what makes a good observer study? Association for Pathology Informatics Histopathological Image Analysis (HIMA) Workshop, May 22, Pittsburgh, PA (invited oral)

816) **Krupinski EA**. Medical image perception through the eyes of the observer. Association for Computing Machinery Symposium of Eye Tracking Research & Applications (ETRA), May 30-Jun 2, Tübingen, Germany (invited keynote)

817) **Krupinski EA**, Sinkovskaya ES, Sheppard C, Moon-Grady A, Fowlkes JB. Optimizing outcomes by improving perception. American Institute of Ultrasound in Medicine Ultracon meeting, Mar 25-29, Orlando, FL (invited keynote panel)

818) Purkayastah S, Isaac R, Anthony S, Shukla S, **Krupinski EA**, Danish JA, Gichoya J. A general-purpose AI assistant embedded in an open-source radiology information system. 21st International Conference on Artificial Intelligence in Medicine, Jun 12-15, Portoroz, Slovenia. (demo paper)

b. Regional:

1993

1) ***Krupinski EA**. (1993). A quick course to ROC analysis. Ninth Annual Post Graduate Course in Practical Radiology, Tucson, AZ, Feb 22-25, 1993. (oral)

1994

2) ***Krupinski EA**. Radiologists' interaction with the digital world: measuring observer performance. Tenth Annual Post Graduate Course in Practical Radiology, Tucson, AZ, Feb 21-24, 1994. (oral)

1995

3) ***Krupinski EA**. Evaluation methods in PACS & teleradiology. Eleventh Annual Post Graduate Course in Practical Radiology, Tucson, AZ, Feb 20-23, 1995. (oral)

1999

4) *McNeill K, **Krupinski EA**. Teleradiology special interest group. First Annual Arizona Corrections Telemedicine Conference, Phoenix, AZ, Nov 21-23, 1999. (oral)

2000

5) ***Krupinski EA**. Monitor evaluation research at the University of Arizona. Southern Arizona Chapter Meeting of the Society for Information Display, Tucson, AZ, April 26, 2000. (oral)

6) ***Krupinski EA**. Analyzing trends in telemedicine consults and use of sub-specialties. 2nd Annual National Corrections Telemedicine Conference, Tucson, AZ, Nov 19-21, 2000. (oral)

7) ***Krupinski EA**, Gonzales M, Gonzales C, Weinstein RS. Evaluation of a digital camera for use in teleradiology. 2nd Annual National Corrections Telemedicine Conference, Tucson, AZ, Nov 19-21, 2000. (oral)

2001

8) ***Krupinski EA**. Telemedicine evaluation. National Corrections Telemedicine Conference, Tucson, AZ, Nov 19-21, 2001. (oral)

2002

9) ***Krupinski EA**. Teleradiology now. 4th Annual National Corrections Telemedicine Conference, Tucson, AZ, Nov 24-26, 2002. (oral)

10) ***Krupinski EA**. Telemedicine Assessment Workshop. 4th Annual National Corrections Telemedicine

Conference, Tucson, AZ, Nov 24-26, 2002. (oral)

2014

11) ***Krupinski EA**. Ethical considerations in telemedicine. AZ Bioethics Network, Apr 17, 2014. (oral)

12) ***Krupinski EA**. Business model for telemedicine. Telegenetics Conference UAMS-UofA, Tucson, AZ, Sep 22-23, 2014. (oral)

2015

13) ***Krupinski EA**. Business model for telemedicine. Telegenetics Conference UAMS-UofA, Tucson, AZ, Aug 4-5, 2015. (oral)

2016

14) ***Krupinski EA**. Business model for telemedicine. Telegenetics Conference Univ HI. Jul 6, 2016. (oral)

2017

15) ***Krupinski EA**. Business model for telemedicine. Telegenetics Conference Univ HI. Mar 13, 2017. (oral)

2018

16) ***Krupinski EA**. Business model for telemedicine. Telegenetics Conference Univ HI. Feb 2, 2018. (oral)

17) ***Krupinski EA**. Business model for telemedicine. Telegenetics Conference Univ HI. May 21, 2018. (oral)

18) ***Krupinski EA**. Telehealth 101. Health Services Research Administration – Southwest Telehealth Resource Center “Improving Access to Quality Medical Care” webinar series. May 22, 2018. (oral)

19) ***Krupinski EA**. Error Training & Fatigue in Medical Imaging. Antech Imaging Services Webinar Series. May 24, 2018. (oral)

20) ***Krupinski EA**. The business case for Telehealth – where’s the ROI? 7th Annual AL Telehealth Summit, Aug 14, 2018. (oral keynote)

21) ***Krupinski EA**. Return on investment for Telehealth. Veterans Affairs Regional Telehealth Summit, Sep 31, 2018. (oral)

22) ***Krupinski EA**. Telemedicine 101. eGNA Case Conference & Journal Club. Oct 3, 2-18. (oral)

23) ***Krupinski EA**. How can we tell if Telehealth measures up? Colorado Telehealth Alliance. Oct 24. (oral)

24) ***Krupinski EA**. The business case for Telehealth – where’s the ROI? 5th Annual FL Telehealth Summit, Nov 9, 2018. (oral keynote)

25) ***Krupinski EA**. Image perception & decision making. Weill Cornell Medicine Department of Radiology Grand Rounds. (oral invited)

2019

26) Banja J, Conville-Canney L, Konsynski B, **Krupinski E**. Ethical Implications Surrounding Artificial Intelligence. Buckhead Club Exploring Atlanta Event. (oral panel invited)

27) **Krupinski EA**. Telehealth strategies for CVD in primary care. ECHO Colorado Program. (oral webinar)

- 28) **Krupinski EA.** Evaluating Telehealth options for primary care. ECHO Colorado Program. (oral webinar)
- 29) **Krupinski EA.** Telehealth implementation. ECHO Colorado Program. (oral webinar)
- 30) **Krupinski EA.** Guidelines/resources/issues in Telehealth. ECHO Colorado Program. (oral webinar)
- 31) **Krupinski EA.** Outcome measures for telemedicine and integrating research in telemedicine. Southeast Regional Genetics Network & 37th Annual Meeting Southeastern Regional Genetics Group. Jul 18-20, Asheville, NC (oral).
- 32) **Krupinski EA.** What is the role of AI in (tele)medicine? Arizona Telemedicine Council. Jul 18, Phoenix, AZ (oral webinar)

2020

- 33) **Krupinski EA.** Survey of telehealth use & barriers in Arizona: how this may affect future policy. Arizona Telemedicine Council. Jan 15, Phoenix, AZ (oral webinar)
- 34) **Krupinski EA.** Telemedicine – an Update. Arizona Osteopathic Medical Association 98th Annual Convention, Apr 1, Phoenix, AZ (oral webinar)
- 35) **Krupinski EA,** Louder D, Schultz D. USDA/Tufts Telehealth Intervention Strategies for WIC (THIS-WIC). Feb 19 (oral webinar)
- 36) **Krupinski EA.** Best practices for virtual visits. CO Office Rural Health Leading Edge COVID ECHO, May 4, 2020 (oral webinar)
- 37) **Krupinski EA.** Promoting telemedicine in the Southwest. Telehealth & Medicine Today CO Chapter, Jul 31 (invited oral)
- 38) **Krupinski EA.** Connecting via telehealth: establishing rapport. AZ WIC Breastfeeding Coordinator Conference, Aug 19 (oral virtual)
- 39) **Krupinski EA.** Southwest Telehealth Resource Center COVID Funding. Arizona Telemedicine Council. Oct 21, Phoenix, AZ (oral webinar)
- 40) **Krupinski EA.** Telemedicine's return on investment: is it worth it? New Mexico Telehealth Conference. Nov 5 (oral virtual)
- 41) **Krupinski EA.** Operational challenges, successes, barriers. New Mexico Telehealth Conference. Nov 5 (oral virtual)
- 42) **Krupinski EA.** Telemedicine overview. American Association of Legal Nurse Consultants Phoenix Chapter. Nov 10 (oral invited)
- 43) **Krupinski EA.** Effectively engaging families in telehealth. Nevada Telehealth Symposium. Dec 10 (oral webinar)
- 44) **Krupinski EA.** Telehealth and social determinants. Nevada Telehealth Symposium. Dec 10 (oral webinar)
- 45) **Krupinski EA.** Telehealth standards, guidelines & evaluation. Cardea ECHO TX Infertility Prevention Project. Dec 10 (oral webinar)

46) **Krupinski EA**, Major J. Effectively engaging families in telehealth. United Way of Weld County, CO. Nov 6 (oral webinar)

47) Rowe N, Erps K, **Krupinski EA**. Telehealth reimbursement changes during COVID. CO Office Rural Health Leading Edge COVID ECHO, Apr 29 (oral webinar)

2021

48) **Krupinski EA**. Care integration in the time of COVID. New Mexico Primary Care Association, Jan 13 (oral webinar)

49) **Krupinski EA**. HRSA/SWTRC Update. Arizona Telemedicine Program Council Meeting. Oct 20. (virtual) (oral)

50) **Krupinski EA**. What's new & coming in telehealth & remote monitoring? University of Arizona Health & Infrastructure Summit. Nov 1-3. (oral)

51) **Krupinski EA**, Roper VV. Expanding your telemedicine services. New Mexico Telehealth Alliance, Sep 29 (oral webinar)

52) Sklar T, **Krupinski EA**, Holkins JF, Santo B. Advancing DEI in healthcare leadership. Nov 16 (oral webinar).

2022

53) **Krupinski EA**. Southwest Telehealth Resource Center – What can we offer you? New Mexico telehealth Alliance Telehealth Workshop Series. Jan 20 (oral webinar)

54) **Krupinski EA**, Major J. Building relationships & rapport with telemedicine. Arizona telemedicine Program - Southwest Telehealth Resource Center Occupational & Physical Therapy Webinar Series. Feb 22 (oral webinar)

55) **Krupinski EA**, Major J. Direction of telehealth/telemedicine & how practices can use it to grow community services. Arizona Medical Group Management Association Spring Conference. Apr 28-30, Phoenix, AZ (oral)

56) **Krupinski EA**, Peterson LM, Sobatka J. Telehealth Broadband opportunities. Arizona Rural & Public Health policy Forum. Feb 1 (oral webinar)

c. Institutional:

1994

1) ***Krupinski EA**. Performance evaluation of diagnostic accuracy in radiology. Workshop in Health and Medical Informatics, Tucson, AZ, Mar 26, 1994. (oral)

1995

2) ***Krupinski EA**. Using eye-position recording to improve cancer detection in radiology. Arizona Research Day Event, Tucson, AZ, Sep 14, 1995. (oral)

1999

3) *Lopez AM, **Krupinski EA**, Weinstein RS. Patient satisfaction with telemedicine: the Arizona Telemedicine Program experience. AZ Cancer Center Research Day, Sept 22, Tucson, AZ, Sept 22, 1999. (oral)

2004

4) *Fan J, Dallas WJ, Roehrig H, **Krupinski E**, Sundareshan MK. Spatial noise of high resolution liquid crystal displays for medical imaging: quantitative analysis, estimation and compensation. 2004 Photonic and Imaging Initiatives Workshop, Tucson, AZ, Jan 21-23, 2004. (oral)

2007

5) ***Krupinski EA**. Human factors, eye tracking & psychophysical studies. Industrial Outreach Symposium, Tucson, AZ, Dec 6, 2007. (oral)

2011

6) ***Krupinski EA**. Interpreting statistics in journal articles. University of Arizona Department of Pathology Journal Club, August 24, 2011. (oral)

2012

7) ***Krupinski EA**. Interpreting statistics in journal articles. University of Arizona Department of Pathology Journal Club, Aug 23, 2012. (oral)

2017

8) ***Krupinski EA**. Basics of Receiver Operating Characteristic (ROC) analysis. Emory University Radiology Resident Noon Lecture Series, August 13, 2017. (oral)

2018

9) ***Krupinski EA**. Why study image perception? Emory University Radiology Resident Noon Lecture Series, August 15, 2018. (oral)

2020

10) Martmark-Hill JR, **Krupinski EA**, Hunt J, Abbott B, Kaur P. Engaging learners in telemedicine: best practices & workflows to support teaching & patient care. University of Arizona LCE/Patient-Centered Care Curriculum Seminar, Sep 11, virtual (panel)

2021

11) **Krupinski EA**. Telehealth – where are we today? University of Arizona Health Sciences 676: Innovations in Healthcare & Public Health, Sep 9, virtual (oral)

12) **Krupinski EA**. The real intelligence in radiology – understanding & protecting our greatest resource – radiologists. Stanford University Department of Radiology Etta K. Moskowitz Lectureship. Nov 4, virtual (oral invited)

2023

13) **Krupinski EA**. Technology in the radiology reading – friend or foe. University of Chicago Department of Radiology Grand Rounds. Apr 12, (oral invited)

26. Research Focus:

My interests are in medical image perception, observer performance, decision making, fatigue, and human factors. I utilize eye-tracking to elucidate underlying perceptual and cognitive mechanisms

associated with interpreting medical images as a function of training/expertise, display, and environment to understand why errors are made and develop techniques to avoid them.

27. Grant Support:

a. Active Support:

i. Federally Funded:

- 1) Co-PI, HRSA (OAT), Southwest Regional Telehealth Resource Center (G22RH30360-01-00), grant (renewal), \$325,000, 9-1-17 – 8-31-21. (Emory is sub to University of Arizona)
- 2) Co-Investigator, HRSA, Southeast Regional Genetics Network (UH7MC30772-01-00), grant, \$345,179, 6-1-17 – 5-31-22. (Rani Singh, PhD PI Emory Dept Human Genetics)
- 5) Co-Investigator, NHLBI, Quantification of myocardial blood flow using Dynamic PET/CTA fused imagery to determine physiological significance of specific coronary lesions (1R01HL143350-01), grant, \$2,429,044, 8-15-18 – 6-30-22. (Ernest Garcia, PhD PI)
- 6) Co-PI HRSA (OAT), Coronavirus Telehealth Resource Centers (1GA5RH37465-01), grant, \$828,571, 4-1-20 – 03-31-22. (Emory is sub to University of Arizona)
- 7) Sub-PI, NSF, FW-HTF-RM: Measuring learning gains in man-machine assemblage when augmenting radiology work with artificial intelligence (1928481), grant, \$452,272, 09-01-19 – 08-31-22.
- 8) Sub-PI, NIH/NIBIB, Satisfaction of Search in Breast Cancer Detection(1R01CA259048-01), grant, \$673,103, 3-15-21 – 2-28-22 (Claudia Mello-Thoms, PhD, PI University of Iowa)

ii. Contracts:

- 1) PI. Definity vs. MVT-100 Evaluation. Microvascular Therapeutics. \$9374. 3-1020 – 12-31-21.
- 2) PI. Image quality evaluation project. Hyperfine. \$50,000. 1-15-21 – 1-15-23.

iii. Other:

- 1) Investigator, State of Arizona, Arizona Telemedicine Program, \$1,000,000, 1-1-96 – present.
- 2) Co-I. Pilot Feasibility Study of Out-of-Pocket Cost Communication and Supportive Financial Services to Reduce financial Toxicity. National Multiple Sclerosis Society, grant, \$55,000, 2-1-20 – 1-31-22. (Gelareh Sadigh, MD PI)

b. Previous Support:

- 1) Design of an image database for radiology research: impact of image recall. University of Arizona Biomedical Research Support Grant (#2S07 RR05675-24). Elizabeth A. Krupinski, PhD, PI. \$4098; 4-1-93 – 4-1-94.
- 2) Demonstration of movement in the sacroiliac joint using fluoroscopic imaging techniques. William Brooks, DO & Elizabeth A. Krupinski, PhD, Co-PIs. Wallace Genetics Foundation; \$41,260; 2-1-94 – 7-31-94.
- 3) Computer-aided visual search: improving the early detection of cancer in mammograms. University Hospital Consortium Grant. Elizabeth A. Krupinski, PhD, PI. \$17,000; 4-1-94 – 4-1-95.
- 4) Evaluation of 3M dry film processor. 3M Medical Imaging Systems Division. Elizabeth A. Krupinski, PhD, PI. \$15,000; 3-1-95 – 8-31-95.

- 5) Evaluation of ROC Assistant program for running and analyzing ROC studies. Subcontract to Western Research Corp. NIH SBIR Elizabeth A. Krupinski, Ph.D., \$2500; 8-1-95 – 12-31-95.
- 6) Improving computer aided detection of cancer in mammograms. Arizona Cancer Center Institutional Cancer Research Grant. Elizabeth A. Krupinski, PhD, PI. \$9,000. 7-1-95 – 6-30-96.
- 7) Digital breast specimen radiography for improved biopsy. NIH SBIR (sub-contract to MedOptics) Hans Roehrig, Ph.D. & Elizabeth Krupinski, PhD Co-PIs. \$149,905. 6-1-96 – 5-31-98.
- 8) Clinical and technical performance evaluation of a digital mammography system. USAMRMC (sub-contract to Primex Corp.) Hans Roehrig, PhD & Elizabeth Krupinski, PhD, Co-PIs. \$609,480. 7-1-96 – 6-30-99.
- 9) University of Arizona Foreign Travel Grant: Fall 1994; Spring 1996; Fall 1998; Spring 1999; Summer 2005
- 10) Seventh Far West Image Perception Conference Grant. NIH. Elizabeth Krupinski, PhD, PI. \$13,831. 3-1-97 – 2-28-98.
- 11) Interactive three-dimensional display for evaluation of coronary artery disease. Arizona Disease Control Research Commission. Michel Rogulski, PhD & Elizabeth Krupinski, PhD, Co-PIs. \$89,539. 7-1-95 – 6-30-98.
- 12) Arizona Telemedicine Program with Ganado, Nogales, Springerville. HRSA/OAT. Ronald Weinstein, MD PI, Elizabeth Krupinski Program Evaluator. \$339,160. 10-1-97 – 9-30-98.
- 13) Evaluation of Flat-Panel LCD Monitor. DataRay Corp. Hans Roehrig, PhD & Elizabeth Krupinski, co-PIs. \$3000. 2-20-99 – 12-10-99.
- 14) Far West Image Perception Conference IX. FDA. Elizabeth Krupinski, PhD PI. \$7500. 6-1-00 – 5-31-01.
- 15) Far West Image Perception Conference IX. NIH. Elizabeth Krupinski, PhD PI. \$12,000. 9-18-01 – 8-31-02.
- 16) Improving CRT display of digital mammograms. NIH 1R01 CA85626. Hans Roehrig, PhD & Elizabeth Krupinski, PhD co-PIs. \$884,004. 04-01-00 – 03-31-03.
- 17) Soft copy display for digital mammography. NIH R01 CA79930. Hans Roehrig, PhD & Elizabeth Krupinski, PhD co-PIs. \$741,241. 12-01-00 – 11-30-03.
- 18) Optimizing softcopy displays for digital mammography. NIH R01 CA87816. Elizabeth Krupinski, PhD PI. \$1,678,100. 8-01-00 – 7-31-04.
- 19) Vision-model-based Image Enhancement for Digital Mammography. DAMD-17-01-1-0621. Jeffrey Johnson, PhD PI (Sarnoff Corporation). Elizabeth Krupinski, PhD PI to sub-contract. \$6000 (sub-contract award). 01-01-02 – 9-30-02.
- 20) Breast CT Scanner for Early Cancer Detection. NIH. John Boone, PhD PI (UC Davis). Elizabeth Krupinski, PhD – statistical consultant sub-contract. \$6,082,284. 11-01-02 – 10-30-05.
- 21) MRI-Guided Angioplasty of Coronary Artery Stenosis. NIH Debiao Li, PhD (Northwestern Univ). Elizabeth Krupinski, PhD – statistical consultant. \$12,500 sub-contract. 4-1-03 – 2-29-08.
- 22) Measurement of Myocardial Tissue Parameters Using Radial MRI. AHA. Maria Altbach, PhD PI (U of Arizona). Elizabeth Krupinski, PhD – statistician @ 5%. \$180,000. 7-1-03 – 6-30-06.

- 23) Optical Spectroscopy of Ovarian Cancer. NIH/NCI. 1 R01 CA098341-01A1. Urs Utzinger, PhD PI (U of Arizona). Elizabeth Krupinski, PhD – statistician @ 5%. \$313,701. 08-01-03 – 07-31-06.
- 24) Arizona Diabetes Virtual Center of Excellence (ADVICE). HRSA. Ronald Weinstein, MD PI (U of Arizona). Elizabeth Krupinski, PhD – Director of Evaluation @ 5%. \$852,395. 09-01-03 – 08-31-06.
- 25) Medical Image Perception Conference X. NIH/NIBIB. Elizabeth Krupinski, PhD PI. \$20,000. 09-01-03 – 08-30-04.
- 26) 8-bit vs 11-bit Softcopy Display for Radiology: Diagnostic Accuracy and Visual Search Efficiency. USAMRMC/TATRC. Elizabeth Krupinski, PhD PI. \$349,743. 02-08-05 – 02-07-06.
- 27) Medical Image Perception Conference XI. NIH/NIBIB/NCI. Elizabeth Krupinski, PhD PI. \$15,000. 09-01-05 – 08-30-06.
- 28) Evaluation of the Effect of Softcopy Display Aging on Observer Performance. NEC Corp. Hans Roehrig, PhD & Elizabeth Krupinski, co-PIs. \$15,000. 1-1-06 – 6-30-06.
- 29) Impact of High Luminance Monochrome vs Low Luminance Monochrome and Low Luminance Color Displays on Observer Performance. Eizo Corp. Hans Roehrig, PhD & Elizabeth Krupinski, co-PIs. \$15,000. 1-1-06 – 6-30-06.
- 30) Eyestrain in Radiologists. NIH/NIBIB 1 R01 EB004987-01A1. Elizabeth Krupinski, PhD PI. \$1,485,984. 4-1-06 – 1-31-10.
- 31) MIPS XII Conference. NIH 1 R13 EB007885-01. Elizabeth A. Krupinski, PhD PI. \$10,000. 6-15-2007 – 6-14-2008.
- 32) Optimized Compression for Telepathology. NIH R01 EB008055-01. Elizabeth A. Krupinski, PhD PI. \$1,239,975. 09-21-07 – 08-31-10.
- 33) MIPS XIII Conference. NIH 1 R13 EB009914-01. Elizabeth A. Krupinski, PhD PI. \$10,000. 8-1-2009 – 7-31-2010.
- 34) New Methods for Analysis of Eye-Tracking Data for Medical Image Perception Research. Elizabeth A. Krupinski, PhD PI of sub-award (Chakraborty PI main award University of Pittsburgh). NIH. \$228,075. 4-1-10 – 3-31-13
- 35) Satisfaction of Search in Diagnostic Radiology. Elizabeth A. Krupinski, PhD PI of sub-award (Berbaum PI main award University of Iowa). NIH. \$28,906. 9-1-11 – 6-30-13.
- 36) Southwest Regional Telehealth Resource Center. 1 G22IT16262-01. Elizabeth A. Krupinski, PhD PI. HRSA/OAT. \$1,137,950. 9-1-09 – 8-31-12.
- 37) MIPS XIV Conference. NIH. 1R13 EB013913-01. Elizabeth A. Krupinski, PhD PI. \$10,000. 7-1-2011 – 6-30-2012.
- 38) Human Observer Study Design for Quantitative CT Image-Quality Assessment. Elizabeth A. Krupinski, PhD PI. GE Corp. \$50,000. 5-1-12 – 4-31-13.
- 39) Southwest Regional Telehealth Resource Center (renewal). G22RH24749. Elizabeth A. Krupinski, PhD PI. HRSA (OAT). \$1,308,250. 9-1-12 – 8-31-16.
- 40) Understanding Visual Search Patterns of Dermatologists Assessing Pigmented Lesions. Elizabeth A. Krupinski, PhD PI. University of Arizona Cancer Center Skin Cancer Institute. \$8000. 1-1-13 – 12-31 -13.

- 41) MIPS XV Conference. NIH/NIBIB. 1R13EB016989. Elizabeth A. Krupinski, PhD PI. \$10,000. 7-1-2013 – 6-30-2014.
- 42) Study to Demonstrate Efficiency of 8MP Color Display – Mammography. Elizabeth Krupinski, PhD PI. Eizo Corporation. \$40,370. 1-10-14 – 3-31-15.
- 43) Study to Demonstrate Efficiency of 5MP Monochrome Display – Tomosynthesis. Elizabeth Krupinski, PhD PI. Eizo Corporation. \$39,520. 1-10-14 – 3-31-15.
- 44) Human Observer Study Design for Quantitative CT Image-Quality Assessment. Elizabeth Krupinski, PhD PI. GE Corp. \$50,000, 5-1-12 - 12-31-15.
- 45) Color Display Evaluation Study Local Dimming. Elizabeth Krupinski, PhD PI. Canon, Inc. \$48,460, 6-15-15 – 9-30-15.
- 46) MIPS XVI Conference. NIBIB/NCI. 1R13EB020477-01. Elizabeth Krupinski, PhD PI. \$15,000, 4-1-2015 – 3-31-2016.
- 47) Southwest Regional Telehealth Resource Center. G22RH24749. Elizabeth A. Krupinski, PhD PI. HRSA (OAT). \$1,308,250. 9-1-16 – 8-31-17.
- 48) Sharpness Recovery Evaluation, Elizabeth A. Krupinski, PhD PI, Eizo, Inc., \$54,756, 3-1-16 – 12-31-16.
- 49) Contrast-detail Study 2016, Elizabeth A. Krupinski, PhD PI, Barco, Inc., \$10,000 + \$66,520 in equipment, 8-29-16 – 6-30-18.
- 50) Time/Motion Efficiency Study with the RAPID Pilot Site Hospital Del Mar, Elizabeth A. Krupinski, PhD PI, Ventana Medical Systems, \$11,700, 4-7-16 – 3-6-22.
- 51) Task-Specific Compression for Biomedical Big Data, 1U01CA198945-01, NIH/NIBIB, Elizabeth A. Krupinski, PhD sub-award PI, \$103,444, 9-1-15 – 5-31-18
- 52) Integrating Patient Photographs with Medical Imaging Examinations to Reduce Medical Errors, 1647687, NSF, PI Srinidhi Tridandapani, MD, PhD/Camerad Technologies, \$225,000, 12-15-16 – 11-30-17.
- 53) Optimizing Screening Mammography Accuracy and Adoption through Improved Recall Rates, Robert W. Woodruff Health Sciences Center Fund Synergy Award, PI Richard Duszak, MD, \$78,982, 10-31-16 – 9-30-17.
- 54) Southwest Regional Telehealth Resource Center. G22RH30360. Elizabeth A. Krupinski, PhD co-PI. HRSA (OAT). \$1,300,000. 9-1-16 – 8-31-20.
- 55) Transpara Reader Study. Elizabeth A. Krupinski, PhD PI. ScreenPoint Medical. \$49,769. 10-12-17 – 2-28-18.
- 56) Enhancing Genetic Services and Newborn Screening Collaborative in Region 3. Rani Singh, PhD PI. HRSA. \$600,000. 6-1-17 – 5-31-20.
- 57) Emory Conference Center Subvention Fund, International Workshop on Breast Imaging. Elizabeth A. Krupinski, PhD PI \$25,000, 9-1-17 – 7-31-18.
- 58) Scientific Advisor/Mentor, RSNA, Comparison of multi-parametric feature extraction methods for outcome prediction in patients with aneurysmal subarachnoid hemorrhage. Adam Prater, MD PI \$40,000, 07-01-17 – 06-30-18.

59) Medical Image Perception Society XVII Conference. NIH/NIBIB 1R13EB024389-01. Elizabeth A. Krupinski, PhD PI, \$10,000, 4-1-17 – 3-31-18.

60) Dose Reduction & Image Quality Assessment, Barco, Inc. Elizabeth A. Krupinski, PI, \$76,519, 8-16-16 – 8-15-17

61) Telehealth Research Dissemination Forum. PCORI. American Telemedicine Association PI, \$50,000, 3-1-19 – 2-28-20.

62) Optimizing Screening Mammography Accuracy and Adoption through Improved Recall Rates: A Multi-Disciplinary Investigation of the Effects of Human Capital Depreciation and Fatigue on Radiologist Performance. Co-Investigator (Duszak PI), Woodruff Synergy Award, \$78,892, 9-1-16 – 8-31-17

63) Compromised Diagnostic Radiology Interpretation from Observer Fatigue (5R01EB004987-06), grant, \$1,327,096, 07-01-13 – 06-30-20. PI, NIH (NIBIB).

64) Task-specific compression for biomedical big data (1U01CA98945-01), grant, \$1,416,750, 6-1-15 – 6-30-20. (Emory is sub to University of Arizona, Ali Bilgin, PhD PI) Co-Investigator, NIH (NCI).

65) Prevalence of Eye Strain Amongst Veterinary Radiologists. Murdoch University College of Science, Health, Engineering and Education Small Research Grant Program, \$3120, 6-15-19 – 12-10-19. (Susannah Lillis, DVM PI).

28. **Bibliography:**

a. **Published and Accepted Research Articles (clinical, basic science, other) in Refereed Journals:**

1988

1) **Krupinski E**, Locher P. (1988). Skin conductance and aesthetic evaluative responses to nonrepresentational works of art varying in symmetry. *Bulletin of the Psychonomic Society*, 26, 355-358.

1989

2) Kundel HL, Nodine CF, **Krupinski EA**. (1989). Searching for lung nodules: Visual dwell indicates locations of false-positive and false-negative decisions. *Investigative Radiology*, 24, 472-478.

1990

3) Kundel HL, Nodine CF, **Krupinski EA**. (1990). Computer-displayed eye position as a visual aid to pulmonary nodule interpretation. *Investigative Radiology*, 25, 890-896.

1992

4) Nodine CF, Kundel HL, Toto LC, **Krupinski EA**. (1992). Recording and analyzing eye-position data using a microcomputer workstation. *Behavioral Research Methods, Instruments, & Computers*, 24, 475-485.

5) Reed CF, **Krupinski EA**. (1992). The target in the celestial (moon) illusion. *Journal of Experimental Psychology: Human Perception & Performance*, 18, 247-256.

6) Weinstein RS, Bloom KJ, **Krupinski EA**, Rozek LS. (1992). Human performance studies of the video microscopy component of a dynamic telepathology system. *Zentralblatt Fur Pathologie*, 138, 399-401.

1993

7) **Krupinski EA**, Nodine CF, Kundel HL. (1993). Perceptual enhancement of tumor targets in chest x-ray images. *Perception & Psychophysics*, 53, 519-526.

8) **Krupinski EA**, Nodine CF, Kundel HL. (1993). A perceptually-based method for enhancing pulmonary nodule recognition. *Investigative Radiology*, 28, 289-294.

9) Nodine CF, Locher PJ, **Krupinski EA**. (1993). The role of formal art training on perception and aesthetic judgment of art compositions. *Leonardo*, 26, 219-227.

1994

10) Hu CH, Kundel HL, Nodine CF, **Krupinski EA**, Toto LC. (1994). Searching for bone fractures: a comparison with pulmonary nodule search. *Academic Radiology*, 1, 25-32.

11) **Krupinski EA**, Alsafadi Y. (1994). Lossy network transmission: influence on the detection of microcalcification clusters in mammograms. *Academic Radiology*, 1, 333-338.

12) **Krupinski EA**, Maloney K, Bessen S, Capp MP, Graham K, Hunt R, Lund P, Ovitt T, Standen JR. (1994). ROC evaluation of computer display of adult portable chest radiographs. *Investigative Radiology*, 29, 141-146.

1995

13) **Krupinski EA**, Roehrig H, Yu T. (1995). Observer performance comparison of digital x-ray systems for stereotactic breast needle biopsy. *Academic Radiology*, 2, 116-122.

14) Lund PJ, Heikal A, Maricic MJ, **Krupinski EA**, Williams CS. (1995). Ultrasonic imaging of the hand and wrist in rheumatoid arthritis. *Skeletal Radiology*, 24, 591-596.

15) Roehrig H, Yu T, **Krupinski E**. (1995). Image quality control for digital mammographic systems: initial experience and outlook. *J of Digital Imaging*, 8, 52-66.

1996

16) Alexander DGA, Unger EC, Seeger SJ, Karmann S, **Krupinski EA**. (1996). Estimation of volumes of distribution and intratumoral ethanol concentrations by CT in patients undergoing percutaneous ethanol injection. *Academic Radiology*, 3, 49-56.

17) Berbaum KS, Franken EA, Dorfman DD, Miller EM, **Krupinski EA**, Kreinberg K, Caldwell RT, Lu CH. (1996). The cause of satisfaction of search effects in contrast studies of the abdomen. *Academic Radiology*, 3, 815-826.

18) **Krupinski EA**. (1996). Visual scanning patterns of radiologists searching mammograms. *Academic Radiology*, 3, 137-144.

19) **Krupinski EA**. (1996). Clinical assessment of a dry-process laser system versus traditional wet film using CT, MRI and US. *Academic Radiology*, 3, 855-858.

20) **Krupinski EA**, Weinstein RS, Rozek LS. (1996). Experience-related differences in diagnosing medical images displayed on monitors. *Telemedicine Journal*, 2, 101-108.

21) Lund PJ, **Krupinski EA**, Brooks WJ. (1996). Ultrasound evaluation of sacroiliac motion in normal volunteers. *Academic Radiology*, 3, 192-196.

1997

- 22) Dunn BE, Almagro UA, Choi H, Sheth NK, Arnold JS, Recla DL, **Krupinski EA**, Graham AR, Weinstein RS. (1997). Dynamic-robotic telepathology: Department of Veterans Affairs feasibility study. *Human Pathology*, 28, 8-12.
- 23) Halliday BE, Bhattacharyya AK, Graham AR, Davis JR, Leavitt SA, Nagle RB, McLaughlin WJ, Rivas RA, Martinez R, **Krupinski EA**, Weinstein RS. (1997). Diagnostic accuracy of an international telepathology consultation service. *Human Pathology*, 28, 17-21.
- 24) **Krupinski EA**, Lund PJ. (1997). Differences in time to interpretation for evaluation of bone radiographs on monitors and film. *Academic Radiology*, 4, 177-182.
- 25) **Krupinski EA**, Nishikawa R M. (1997). Comparison of eye-position vs computer identified microcalcification clusters on mammograms. *Medical Physics*, 24, 17-23.
- 26) Lund PJ, **Krupinski EA**, Pereles S, Mockbee B. (1997). Comparison of conventional and computed radiography: assessment of image quality and reader performance in skeletal extremity trauma. *Academic Radiology*, 4, 570-576.
- 27) Metzger-Rose C, **Krupinski EA**, Wright WH, Baker MR, McCreery TP, Barrette TR, Unger EC. (1997). Ultrasonic detection of testicular ischemia in a canine model using phospholipid coated microbubbles (MRX-115). *Journal of Ultrasound in Medicine*, 16, 317-324.
- 28) Roehrig H, **Krupinski EA**, Hulett R. (1997). Reduction of patient exposure in pediatric radiology. *Academic Radiology*, 4, 547-557.

1998

- 29) **Krupinski EA**, Evanoff M, Ovitt T, Standen JR, Chu TX, Johnson J. (1998). The influence of image processing on chest radiograph interpretation and decision changes. *Academic Radiology*, 5, 79-85.
- 30) **Krupinski EA**, Kundel HL. (1998). An update on long-term goals for medical image perception research. *Academic Radiology*, 5, 629-633.
- 31) **Krupinski EA**, Kundel HL, Judy PF, Nodine CF. (1998). Medical Image Perception Society: key issues for image perception research. *Radiology*, 209, 611-612.
- 32) **Krupinski EA**, Nodine CF, Kundel HL. (1998). Enhancing recognition of lesions in radiographic images using perceptual feedback. *Optical Engineering*, 37, 813-818.
- 33) Nodine CF, **Krupinski EA**. (1998). Perceptual skill, radiology expertise and visual test performance with Nina and Waldo. *Academic Radiology*, 5, 603-612.
- 34) Pereles FS, Baker M, Baldwin R, **Krupinski E**, Unger EC. (1998). Accuracy of CT biopsy: laser guidance versus conventional freehand techniques. *Academic Radiology*, 5, 766-770.

1999

- 35) Erly WK, Jacobson BE, Granstrom P, **Krupinski EA**, Lund PJ, McDaniel NT. (1999). Abdominal CT for trauma: an adequate screen for lower thoracic and lumbosacral fractures? *Emergency Radiology*, 6, 294-298.
- 36) **Krupinski EA**, LeSueur B, Ellsworth L, Levine N, et al. (1999). Diagnostic accuracy and image quality using a digital camera for teledermatology. *Telemedicine Journal*, 5, 257-263.
- 37) **Krupinski EA**, Roehrig H, Furukawa T. (1999). Influence of film and monitor display luminance on observer performance and visual search. *Academic Radiology*, 6, 411-418.

- 38) **Krupinski EA**, Webster P, Dolliver M, Weinstein RS, Lopez AM. (1999). Efficiency analysis of a multi-specialty telemedicine service. *Telemedicine Journal*, 5, 265-271.
- 39) Masaryk AM, Frayne R, Unal O, **Krupinski E**, Strother CM. (1999). In vitro and in vivo comparison of three MR measurement methods for calculating vascular shear stress in the internal carotid artery. *American Journal of NeuroRadiology* 20, 237-245.
- 40) Shtern F, Winfield D, Behlen F, Blume H, Flynn MJ, Hemminger B, Huang HK, **Krupinski EA**, Kundel H, Roehrig H, Shile PE, Sickles E. (1999). Report of the working group on digital mammography: digital display and workstation design. *Academic Radiology*, 6, S195-S219.
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2021

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2022

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On-Line & Dataset Publications

2016

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2) Avery R, Jokerts C, Janardhanan R, Oliva I, Czeyda-Pommersdhein F, Abidov A, **Krupinski E**, Sharma P. (2016). The free-breathing motion-corrected phase sensitive inversion recovery sequence provides improved myocardial fibrosis evaluation while significantly shortening acquisition time compared to conventional gradient echo sequences. Zenodo <http://doi.org/10.5281/zenodo.59850>

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2017

4) Auffermann WF, **Krupinski EA**, Samei E, Baker J, Tourassi G. (2017). Image perception and performance evaluation. RSNA/AAPM Online Learning Center Module. <http://education.rsna.org/diweb/catalog/item/eid/33845644>

29. Contributions Not Otherwise Noted:

Practice Guidelines

2006

1) ACR-AAPM-SIIM Digital mammography image quality: image display.

2007

2) ACR-AAPM-SIIM Digital radiography image quality: image processing and display.

3) ACR-AAPM-SIIM Digital radiography image quality: image acquisition.

4) American Telemedicine Association's Practice Guidelines for Teledermatology.

2009

5) American Telemedicine Association's Practice guidelines for videoconferencing-based telemental health.

6) American Telemedicine Association's Evidence-based practice for telemental health.

2010

7) American Telemedicine Association's Blueprint for Telerehabilitation Guidelines.

2011

8) American Telemedicine Association's Telehealth Practice Recommendations for Diabetic Retinopathy.

9) American Telemedicine Association's Expert Consensus Recommendation for Videoconferencing-Based Telepresenting.

2012

10) American Telemedicine Association's Quick Guide to Store-Forward and Live-Interactive Teledermatology for Referring Physicians.

11) ACR-AAPM-SIIM Practice Guideline for Digital Radiography.

12) ACR-AAPM-SIIM Practice Guidelines for Determinants of Image Quality in Digital Mammography.

13) ACR-AAPM-SIIM Practice Guideline for the Performance Electronic Security.

2013

14) American Telemedicine Association's Practice Guidelines for Video-Based Online Mental Health Services.

2014

15) American Telemedicine Association's Clinical Guidelines for Telepathology.

16) American Telemedicine Association's Core Operational Guidelines for Telehealth Services Involving Provider-Patient Interactions.

17) American Telemedicine Association's Guidelines for TeleICU Operations.

2015

18) American Telemedicine Association's Practice Guidelines for Live, On-demand Primary & Urgent Care.

2016

19) American Telemedicine Association's Practice Guidelines for Teleburn Care.

20) ACR-AAPM-SIIM Practice Guideline for Digital Radiography.

- 21) ACR-AAPM-SIIM Practice Guidelines for Determinants of Image Quality in Digital Mammography.
- 22) ACR-AAPM-SIIM Practice Guideline for the Performance Electronic Security.
- 23) International Color Consortium White Paper # 44: Visualization of colour on medical displays.
- 24) American Telemedicine Association's Practice Guidelines for Dermatology

2017

- 25) American Telemedicine Association's Practice Guidelines for Telestroke
- 26) American Telemedicine Association's Practice Guidelines for Telemental Health with Children & Adolescents
- 27) American Telemedicine Association's Practice Guidelines for Pediatric Telehealth

Blogs

2013

- 1) Southwest Telehealth Resource Center (Southwest Telehealth Resource Center)
- 2) Using Telepsychiatry to Deliver Psychiatric Consultations & Treatment as Part of an Integrated Care Model (Southwest Telehealth Resource Center)
- 3) What's New in Teleradiology? (Southwest Telehealth Resource Center)

2014

- 4) Is Interstate Medical Licensure Around the Corner? (Southwest Telehealth Resource Center)
- 5) Telemedicine Telehealth Services Provider Showcase-Mark Your Calendars!! (Southwest Telehealth Resource Center)
- 6) What's New in Imaging Informatics? (Southwest Telehealth Resource Center)
- 7) ATA 2014-Another Great Meeting! (Southwest Telehealth Resource Center)
- 8) Telemedicine Talks in Unexpected Places (Southwest Telehealth Resource Center)
- 9) Parlez-vous Telemedicine? (Southwest Telehealth Resource Center)
- 10) Choosing a Telehealth Provider (Southwest Telehealth Resource Center)
- 11) Fostering Relationships & Building Telemedicine Programs (Southwest Telehealth Resource Center)
- 12) Navigating the Social Media Potpourri (Southwest Telehealth Resource Center)
- 13) Telemedicine in 100 Years? (Southwest Telehealth Resource Center)

2015

- 14) What's New in Medicare Reimbursement? (Southwest Telehealth Resource Center)
- 15) Do Patients Want Telemedicine? Of Course They Do! (Southwest Telehealth Resource Center)
- 16) FDA Releases Draft Guidance for WSI-Telepathology Moves Ahead! (Southwest Telehealth Resource Center)
- 17) A Long Trip But an Amazing Experience-ATP-SWTRC Goes to Oman (Southwest Telehealth Resource Center)
- 18) Western States Genetic Services Collaborative (Southwest Telehealth Resource Center)
- 19) Your horse not feeling well? Need an x-ray but too remote? Thank goodness for veterinary teleradiology! (Southwest Telehealth Resource Center)
- 20) Modernizing Legacy Data Collection Systems for Telehealth Data (Southwest Telehealth Resource Center)

2016

- 21) ATA Annual Conference 2016 - Why we keep going back (Southwest Telehealth Resource Center)
- 22) We are the TRC - What have (can) we done (do) for you? (Southwest Telehealth Resource Center)

2017

- 23) Telemedicine & Informed Consent: How Informed Are You? (Southwest Telehealth Resource Center)
- 24) What powers telehealth? Women! (Southwest Telehealth Resource Center)
- 25) SWTRC – Looking Forward! (Southwest Telehealth Resource Center)

2018

- 26) Where has all the telemedicine research gone? (Southwest Telehealth Resource Center)
- 27) 4th annual Service Provider Summit – if you missed it you missed a lot! (Southwest Telehealth Resource Center)
- 28) The Handbook of Medical Image Perception and Techniques – a comprehensive compilation of concepts, tools & state of the art research for experienced researchers and those just curious. (Cambridge University Press blog ‘fifteeneightyfour’)

2019

29) Artificial intelligence & teleradiology: like it or leave it? (Southwest Telehealth Resource Center)

30) Another survey to fill out! Why bother? (Southwest Telehealth Resource Center)

2020

31) Announcing the new Southwest Telehealth Resource Center website! (Southwest Telehealth Resource Center)

32) COVID-19: opportunities in a time of crisis? (Southwest Telehealth Resource Center)

33) How was your first time? (Southwest Telehealth Resource Center)

34) What do roadtrips have to do with telemedicine? (Southwest Telehealth Resource Center)

2021

35) Looking forward to 2021? You Betcha! (Southwest Telehealth Resource Center)

36) Making telemedicine feasible for everyone – especially those with physical challenges. (Southwest Telehealth Resource Center)

37) Maximizing telemedicine benefits (Southwest Telehealth Resource Center)

2023

38) Technology's role in establishing rapport in telehealth encounters. (Telehealth Certification Institute)

Podcasts & Other Social Media

2019

1) **Krupinski EA**, Seidel R. Eye tracking and ergonomics. SIIMcast episode 38.
<http://siimcast.libsyn.com/38-eye-tracking-and-ergonomics>

2020

2) **Krupinski EA**. Scientific Sense podcast interview.
<https://nam03.safelinks.protection.outlook.com/?url=https%3A%2F%2Fpodcast.scientificsense.net%2F818&data=02%7C01%7Celizabeth.anne.krupinski%40emory.edu%7C6fb05426dbc9411902c308d843bce05b%7Ce004fb9cb0a4424fbc0322606d5df38%7C0%7C0%7C637333826759347061&sdata=8%2BgfMVcuvt9KByD6IETBjz4u85imb1Vc4JZtaqxB7jA%3D&reserved=0>

2021

3) **Krupinski EA**. Interview with Miranda Wood British Journal of Radiology.
<https://www.birpublications.org/page/podcasts/2021/radiology-research-krupinski>

4) **Krupinski EA.** Telehealth changes as a result of COVID. New Mexico Telehealth Alliance podcast. <https://www.youtube.com/watch?v=-Ag51CVWTn0>

5) **Krupinski EA.** Society for Education and the Advancement of Connected Health update. Telehealth Unmuted. Heartland Telehealth Resource Center Telehealth Unmuted podcast. <http://heartlandtrc.org/telehealth-unmuted-2/>

6) **Krupinski EA,** Roper V. Expanding your telemedicine services. New Mexico Telehealth Alliance podcast. <https://www.youtube.com/watch?v=pqcNceWHVHc&list=PLyv6SdFPQFPgote4tCB-KhD7xD-47VRAN&index=5>

7) **Krupinski EA.** On pigeons, residency training, and the development of expertise. AI, Radiology and Ethics; A Podcast Series. <https://podcasts.apple.com/us/podcast/ai-radiology-and-ethics-a-podcast-series/id1531347817>

8) **Krupinski EA.** When your home is the hospital: tech-enabled healing. Invisible Forces podcast. <https://link.chtbl.com/invisibleforces>

Published Databases

2020

1) Karagyris A, Kashyap S, Lourentzou I, Wu J, Tong M, Sharma A, Abedin S, Beymer D, Mukherjee V, **Krupinski E**, Moradi M. Eye gaze data for chest x-rays. PhysioNet <https://doi.org/10.13026/qfdz-zr67>