

**Embedded
EMORY UNIVERSITY SCHOOL OF MEDICINE
STANDARD CURRICULUM VITAE FORMAT**

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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
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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 & Cal 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
- 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
- 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) Radiological Society of North America Radiology Informatics Committee (AAPM rep) 2010 - 2015
- 17) 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
- 18) Office for the Advancement of Telehealth/HRSA Evaluation Advisory Committee 2011 - 2012
- 19) ACR/AAPM/RSNA/SCAR Joint Workgroup on Image Quality Practice Guideline Performance Electronic Security update & revision Committee 2011-2012
- 20) ACR/AAPM/RSNA/SCAR Joint Workgroup on Image Quality (Practice Guideline for the Performance of CR/DR) Update & revision committee 2011 - 2012
- 21) Health Resources & Services Administration (HRSA)/Office for the Advancement of Telehealth (OAT) Telemedicine Resource Center Evaluation Advisory Committee 2011
- 22) Medical Physics Farrington Daniels & Sylvia Greenfield Award Committee 2011
- 23) Society for Imaging Informatics in Medicine Content & Publications Committee 2011 - present
- 24) IEEE (Institute of Electrical & Electronics Engineers) Medal for Innovations in Healthcare Technology Committee 2011 - 2016
- 25) Chair External Review Committee National Centre Integrated Care Telemedicine Tromso, Norway 2012
- 26) American Telemedicine Association Standards & Guidelines Committee Chair 2012 - present
- 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 Forum 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 - present
- 39) Am Assn Women Radiologists Communication & Public Relation Committee 2015 - present
- 40) Radiology Research Alliance Liaison Committee Chair 2015 - present
- 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)
“Impact of Federal and non-federal funding sources on radiology research”
Task Force 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 – Chair 2017 – present
- 59) American Association for Women Radiologists Membership Committee 2017-2019
- 60) Society for Education and the Advancement of Research in Connected Health
Vice President/Secretary 2018 – present
- 61) Radiological Society of North America Creating & Optimizing the Research
Enterprise (CORE) – Director 2018 – present
- 62) AAMC Advisory Panel on Telehealth 2018 - 2019
- 63) AIMBE Fellows Election Committee 2017 – present
- 64) Society for Imaging Informatics Awards Committee – Chair 2019 – 2021
- 65) Radiological Society of North America Publications Ethics Committee member 2019 – 2021
- 66) Society for Breast Imaging Newsletter Committee 2019 - 2021

b. Regional:

- 1) Four Corners Telehealth Consortium (FCTC) Organizing Committee 2008 - present
- 2) Four Corners Telehealth Consortium (FCTC) Organizing Committee Chair 2012 - 2014

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	2015 – present
29) Emory University Faculty Council RAS Review Task Force Workgroup	2016 - present
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 University Department of Radiology Resident Research Track co-Director	2017 - present
37) Emory Research Advocacy Network (ERAN)	2017 - present
38) Emory University Research ACTSI and Biological & Health Sciences Grant Review Committee	2017 – present
39) Georgia Center for Medical Robotics Steering Committee	2017 – present
40) Emory University Department of Radiology Space committee	2017 – present
41) Tri-Institutional Brain Health Translational Research Center Committee	2017 – present
42) Emory University Department of Radiology Faculty Development Committee	2018 – 2021
43) Emory Conflict of Interest Committee	2018 – 2020
44) Emory University Faculty Committee on Appointments & Promotions	2018 – 2021
45) Emory University School of Medicine PhD Compensation Committee	2018 - 2019
46) Emory University Medical Student Research Committee member	2019 – 2021

13. Peer Review Activities:

a. Grants:

i. National and International:

1) US Army MPMC 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 panels medical imaging, psychology	
3) US Army MPMC Ovarian Cancer Program	2000
4) NIH Diagnostic Imaging Section DMG/BMIT/BMIT-B Charter member	2000 - 2005
5) US Army MPMC Breast Cancer Program Chair	2002 – 2010
6) Society for Imaging Informatics in Medicine Grant Review Program	2002 - 2011
7) US Army MPMC 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 MPMC Prostate Cancer Program	2009 - 2011
13) US Army MPMC Ovarian Cancer Program Chair	2010

14) US Army MPMC Alliance for NanoHealth	2010 - 2011
15) US Army MPMC Ovarian Cancer Program	2011 - 2012
16) US Army MPMC SBIR Burn Imaging Program	2011
17) US Army MPMC 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 MPMC Prostate Cancer Program	2013
21) Patient-Centered Outcomes Research Institute (PCORI)	2013 - 2014
22) Medical Research Council United Kingdom	2014
23) US Army MPMC 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 MPMC Colorectal Cancer Program	2015
27) Radiological Society of North America R&E Foundation Grant Review	2016 – present
28) Nationaal Regieorgaan Onderwijs onderzoek	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

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
9) Emory University Emory Conference Center Subvention Fund Reviewer	2018 - present
10) Emory University Master of Science in Clinical Research final paper review	2019

b. Manuscripts:

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) Australasian Physical & Engineering Sciences in Medicine	2017 - present
12) Behavior Research Methods, Instrumentation & Computers	2009 - present
13) Breast Cancer Research	2014 – present
14) BMC Health Services Research	2018 - present
15) British Journal of Medicine & Medical Research	2017 - present
16) British Journal of Radiology	2008 – present
17) Cognitive Research: Principles & Implications	2016 – present

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

67) Postgraduate Medicine	2016 – present
68) Psychological Science	2008 – present
69) Psychology of Aesthetics, Creativity & the Arts	2016 - present
70) Radiographics	2012 - present
71) Radiography	2012 - present
72) Radiology	1997 – present
73) Radiology – Artificial Intelligence	2018 - present
74) Radiology.com JRAD	2014 - present
75) Scandinavian Journal Primary Health Care	2013 - present
76) Telemedicine Journal & e-Health	1997 - present
77) Transactions in Applied Perception	2014 - present
78) The Lancet	2013 - present
79) Veterinary Radiology & Ultrasound	2011 – present
80) Visual Cognition	2018 - present
81) 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
67) 9 th International Conference e-Health Lisbon, Portugal	2017
68) American Association of Physicists in Medicine, Denver, CO	2017
69) 8 th International Workshop on Machine Learning in Medical Imaging, Quebec	2017
70) SPIE Medical Imaging 2018: Image Perception, Houston, TX	2018
71) SPIE Medical Imaging 2018: Digital Pathology, Houston, TX	2018
72) 14 th International Workshop Breast Imaging, Atlanta, GA	2018
73) International Conf Information Tech Biomedicine, Kamien Slaski, Poland	2018
74) Multiconference on Computer Science & Information Systems, Madrid, Spain	2018
75) 21 st Intl Conf Medical Image Computing & Computer Assisted Intervention (MICCAI), Granada, Spain	2018
76) Society for Education and the Advancement of Research in Connected Health 2018 Meeting San Diego, CA	2018
77) SPIE Medical Imaging 2019: Image Perception, San Diego, CA	2018
78) SPIE Medical Imaging 2019: Digital Pathology, San Diego, CA	2018

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

15. Editorships and Editorial Boards:

- 1) Editorial Consultant for Academic Radiology 1997 - present
- 2) Associate Editor for Medical Physics 1999 - present
- 3) Associate Editor for Radiology (Computer Applications) 1999 - present
- 4) Associate Editor for Telemedicine Journal & e-Health 2001 - present
- 5) Editorial Board Journal of Digital Imaging 2002 - present
- 6) Associate Editor for IEEE Transactions on Medical Imaging 2004 - present
- 7) Associate Editor for Journal of Digital Imaging 2004 - present
- 8) Co-Editor Journal of Telemedicine & Telecare 2005 - present
- 9) Editorial Board Radiography 2006 - present
- 10) Editorial Board International Journal of Telemedicine and Application 2007 - 2013
- 11) Editorial Board British Journal of Radiology 2012 - present
- 12) Editorial Board Health Systems 2012 - present
- 13) Editorial Review Board Case Reports in Clinical Pathology 2013 - present
- 14) Editorial Board Healthcare 2014 - present
- 15) Editorial Board Pathology Section of AIMS Medical Science 2014 - present
- 16) Editorial Board Journal of Healthcare Engineering 2015 - present
- 17) Editorial Board Journal of Medical Imaging 2015 - present
- 18) Special Issue Editor Journal of Medical Imaging – Image Perception 2018
- 19) Special Issue Editor Journal of Medical Imaging – Advances Breast Imaging 2018
- 20) Special Issue Editor Journal of Medical Imaging – Artificial Intelligence 2018
- 21) Special Issue Editor Radiography – Diversity 2018
- 22) Special issue Editor Journal Technology in Behavioral Sciences – mHealth, Apps & Smartphones 2018-2019

16. 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 2nd 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 for Individual
Leadership 2017
- 48) American Telemedicine Association Certificate 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 |

17. Society Memberships:

- | | |
|---|----------------|
| 1) American Psychological Society | 1990 - 2013 |
| 2) Applied Vision Association | 1991 - present |
| 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 |
| | 2015 - present |
| 11) Association for Women Faculty | 1998 - present |
| 12) American Association for Women Radiologists | 1998 - present |
| 13) IEEE (Institute of Electrical and Electronics Engineers) | 2014 - present |
| 14) SPIE - The International Society for Optical Engineering | 1993 - present |
| a. Chair | 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 |
| 18) Women in Technology | 2015 - present |
| 19) Society for Education and the Advancement of Research in Connected Health | 2018 - present |

18. Organization of Conferences:

a. National and International:

i. Administrative Positions:

- | | |
|---|----------------|
| 1) Program Committee, SPIE Medical Imaging: Image Perception | 1994 - 2003 |
| 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 | 2005 - 2006 |

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

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) 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

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 – present
- 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

19. 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

20. 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 1998 - 2006
2 hrs/wk/semester
- 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 2010 - 2014

4 hrs/wk/semester

iii. Undergraduate Programs:

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

iv. Other

- 1) Emory Radiology Leadership Academy 2016 - present
2 hrs/year
- 2) Radiological Society of North America – Society for Imaging Informatics in Medicine
National Imaging Informatics Course 2017 - present
5 hrs/year
- 3) Emory Dept Radiology & Imaging Sciences Junior Faculty Retreat 2016 - present

21. 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”

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

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
- 4) 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

- 5) Vanitha Sankaran, 1994-1995, Department Electrical Engineering University of Arizona
"Observer performance detection of objects in IR images"
Current: Sourcery, Inc., Oakland, CA
- 6) 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
- 7) Ellen Petratis, 1995, Department of Psychology University of Arizona
"Observer performance using medical images varying in lumpiness and counts"
- 8) Wu Zhu, 1995-1996, Department Electrical Engineering University of Arizona
"Observer performance detection of blurred targets in IR images"
- 9) Tom Chu, 1997, Department of Psychology University of Arizona
"Perceptual issues in medical imaging"
Current: Actelion Pharmaceuticals
- 10) 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
- 11) Whitney Kyle, 1997, Department of Psychology University of Arizona
"Etiology of developmental problems in children - a survey"
- 12) Craig Lulloff, 1998, Department of Psychology University of Arizona
"Signal detection in medical imaging"
- 13) Noelle Smith, 1998, Department of Psychology University of Arizona
"ROC methodology and signal detection theory"
- 14) Michael Hernandez, 1998, Department of Psychology University of Arizona
"ROC methodology and signal detection theory"
Current: Owner Redefine Personal Performance Training, Tucson , AZ
- 15) Misty Kerrigan, 1998, Department of Psychology University of Arizona
"ROC methodology and signal detection theory"
Current: Program Coordinator Oak Grove Center Los Angeles
- 16) Tamika McLaughlin, 1998, Department of Psychology University of Arizona
"ROC methodology and signal detection theory"
- 17) Carolyn Copps, 1998, Department of Psychology University of Arizona
"ROC methodology and signal detection theory"
- 18) Hunter Ryan, 1998, Department of Psychology University of Arizona
"ROC methodology and signal detection theory"
Current: Director Creative Advertising Focus Features, Los Angeles, CA
- 19) 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
- 20) Marko Elgart, 1999, Department of Psychology University of Arizona
"Evaluation of scales to measure sports fan motivations"
- 21) 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
- 22) Christopher Lane, 2000, Department of Psychology, University of Arizona;
"Measuring motivation in elite athletes"
- 23) Brandon Gallas, 2000-2001, Department Physics, University of Arizona
"Signal detection in lumpy backgrounds"
Current: Research Physicist, DHHS/FDA/CDRH/OMPT/CDRH/OSEL/DIDSR
- 24) Matthew Lea, 2001, Department of Psychology, University of Arizona
"The psychology of sports marketing techniques"
Current: Head Coach Track & Field California Lutheran University
- 25) Michael Engstrom, 2001-2003, Department of Psychology, University of Arizona
"Measuring level of complexity in telemedicine dermatology cases"
Current: private practice PA, Tucson, AZ

- 26) 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
- 27) David Castro, 2007, Department of Psychology, University of Arizona
 “A new method for scoring the Questionator”
Current: PDX Pharmaceuticals, Portland, OR
- 28) 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
- 29) Ashton Lee, 2007, Department of Psychology, University of Arizona
 “A new method for scoring the Questionator”
- 30) Alyson Reetz, 2007, Department of Psychology, University of Arizona
 “A new method for scoring the Questionator”
- 31) Drew Watkins, 2007, Department of Psychology, University of Arizona
 “A new method for scoring the Questionator”
- 32) 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
- 33) Betre Workie, 2010 – 2011, University Arizona College of Medicine
 “Survey of security measures in radiology department”
Current: SJHMC Internal Medicine, Phoenix, AZ
- 34) 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
- 35) Tyler Hall, 2011, University of Arizona College Medicine
 “Impact of radiology report style on interpretation performance and preference”
Current: Private practice radiologist
- 36) Spencer Hansen, 2011, University Arizona College Medicine
 “Bone determination via radiographs”
Current: Private practice psychiatrist
- 37) Sarah Zaccagnio, 2012, Department of Psychology, University of Arizona
 “PTSD treatment via pet therapy vs traditional in military and non-military environments”
- 38) 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
- 39) Alexandra Schaeffer, 2014 – 2015, Department of Psychology University of Arizona
 “Impact of fatigue on the SOS effect”
Current: Lost to follow up
- 40) Alex Wallace, 2014, University of Arizona College of Medicine
 “App development for teaching radiology to medical students”
Current: Resident Radiology Mayo Clinic Scottsdale
- 41) Ross Bittman, 2017, Emory University College of Medicine
 “Percutaneous vs. Endoscopic Treatment for Relief of Biliary Obstruction due to IntrahepaticCholangiocarcinoma”
- 42) Matthew Lungren, MD, MPH, 2018, Stanford University Department of Radiology; Academy for Radiology & Biomedical Imaging Research Mentoring Program
- 43) Abby King, MA, 2018, University of Durham Department of Anthropology
 “Ethnographic study of telemedicine in New Mexico”

d. Faculty

- 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

22. 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 Webinbar Series. September 20

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 etye-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 Staticians 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

23. 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 Telesalus 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.

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 Sectreets 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. Southeast Regional Genetics Network. Atlanta, GA, Jan 30, 2019.

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.

24. Abstract Presentations at National/International, Regional, and Institutional Conferences:

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)

7) *Nodine CF, Locher PJ, **Krupinski EA**. The role of formal art training on the perception and aesthetic judgment of art compositions. European Conference Eye Movements, Pavia, Italy, Sep 10-13, 1989. (oral)

1990

8) ***Krupinski EA**, Nodine CF, Kundel HL. Visual feedback increases detection performance in the search for tumor targets in chest x-ray images. Eastern Psychological Association, Philadelphia, PA, Mar 29-Apr 1, 1990. (oral)

9) *Nodine CF, **Krupinski EA**, Kundel KL. A gaze-duration algorithm provides effective visual feedback to radiologists searching for nodules in chest x-ray images. Conference on Visualization in Biomedical Computing, Atlanta, GA, May 22-25, 1990. (oral)

10) *Nodine CF, **Krupinski EA**, Kundel HL. Visual processing and decision making associated with search and recognition of objects embedded in pictorial scenes. International Conference on Visual Search, Durham, England, Sep 3-6, 1990. (oral)

1991

11) ***Krupinski EA**, Nodine CF, Kundel HL. Influence of pictorial prompts on visual sampling of lung nodules. Far West Image Perception Conference, Point Clear, AL, Oct 17-20, 1991. (oral)

12) ***Krupinski EA**, Nodine CF, Kundel HL. Highlighting long gaze durations enhances observer performance by reducing the influence of distracting background information. European Conference on Eye Movements, 15-18 Sep, Leuven, Belgium, Sep 15-18, 1991. (oral)

13) ***Krupinski EA**, Nodine CF, Kundel HL. Visual feedback improves observer performance by reducing the influence of distracting background information. American Psychological Society, Washington, DC, Jun 13-16, 1991. (oral)

14) *Nodine CF, **Krupinski EA**, Kundel HL. The role of visual feedback in localizing and facilitating the detection of lung nodules. Far West Image Perception Conference, Point Clear, AL, Oct 17-20, 1991. (oral)

1992

15) *Hurwitz S, **Krupinski EA**, Reed CF. Statistical analysis of celestial illusion data. American Statistical Association, Boston, MA, Aug 17-20, 1992. (oral)

16) *Nodine CF, **Krupinski EA**. Perceptual response to compositional design. International Congress on Empirical Aesthetics, Berlin, Germany, Jul, 26-28, 1992. (oral)

17) *Nodine CF, **Krupinski EA**, Locher PJ. Visual exploration, perception and aesthetic judgment of artworks. Eastern Psychological Association, Boston, MA, Apr 1-5, 1992. (oral)

1993

- 18) *Abbey CK, Barrett HH, **Krupinski EA**. Observer performance on images produced by the Linear Landweber Algorithm. Optical Society of America, 3-8 Oct, Toronto, Canada, Oct 3-8, 1993. (oral)
- 19) *Abbey CK, Barrett HH, **Krupinski EA**. Human and machine observer studies for evaluation of iterative reconstruction algorithms. Far West Image Perception Conference, Newport, RI, Oct 7-10, 1993. (oral)
- 20) *Alsafadi Y, Krupinski EA, Martinez R. The effect of lossy networks on user perception of radiological images. SPIE Medical Imaging, Newport Beach, CA, Feb 14-15, 1993. (poster)
- 21) *Hu CH, Kundel HL, Nodine CF, **Krupinski EA**, Toto LC. Eye-movement patterns & fixation cluster dwell time during search for hand & wrist fractures. Far West Image Perception Conference, Newport, RI, Oct 7-10, 1993. (oral)
- 22) ***Krupinski EA**, Alsafadi Y. Effect of lossy networks on microcalcification detection. Far West Image Perception Conference, Newport, RI, Oct 7-10, 1993. (oral)
- 23) ***Krupinski EA**, Weinstein RS. Is there a "generation gap" in diagnosing medical video images? Far West Image Perception Conference, Newport, RI, Oct 7-10, 1993. (oral)
- 24) *Roehrig H, Fajardo LL, Yu T, **Krupinski E**, Kimme-Smith C. Digital cameras for stereotactic breast biopsy: early experience with image quality control. Radiological Society of North America, Chicago, IL, Nov 28-Dec 3, 1993. (poster/interactive exhibit)
- 25) *Soares EJ, Barrett HH, **Krupinski EA**. Noise properties of attenuation correction methods for SPECT. IEEE Medical Imaging Conference, San Francisco, CA, Oct 31-Nov 6, 1993. (oral)

1994

- 26) *Fajardo LL, Armstrong-Miller MC, **Krupinski EA**. Mammography technologists' decisions regarding necessity for additional breast imaging following routine mammography: comparison with the radiologist. Radiological Society of North America, Chicago, IL, Nov 27-Dec 2, 1994. (oral)
- 27) *Fajardo LL, Armstrong-Miller MC, **Krupinski EA**, Hunt KR, Hicks CA. Mammography technologists' decisions regarding necessity for additional breast imaging following routine mammography: comparison with the radiologist. Association of University Radiologists, Boston, MA, May 4-8, 1994. (oral)
- 28) ***Krupinski EA**. Current & Future Directions of Digital Mammography. 14th Annual Breast Imaging Conference, Orlando, FL, Sep 26-28, 1994. (oral)
- 29) ***Krupinski EA**. Observer performance using lens-coupled vs. fiber-optic-coupled digital x-ray cameras for stereotactic breast imaging. Radiological Society of North America, Chicago, IL, Nov 27-Dec 2, 1994. (poster)
- 30) ***Krupinski EA**. ROC evaluation of computer vs. computed radiography (film) radiographs. Society for Computer Applications in Radiology, Winston-Salem, NC, Jun 12-15, 1994. (oral)
- 31) ***Krupinski EA**. Perceptual enhancement of pulmonary nodule recognition in chest radiographs. SPIE Medical Imaging, Newport Beach, CA, Feb 13-18, 1994. (oral)
- 32) ***Krupinski EA**, Nishikawa RM. Comparison of human eye position versus computer-aided-detection identification of microcalcification clusters on digital mammograms. Radiological Society of North America, Chicago, IL, Nov 27-Dec 2, 1994. (poster)
- 33) ***Krupinski EA**, Nodine CF. Gaze duration predicts the locations of missed lesions in mammography.

International Workshop on Digital Mammography, York, England, Jul 10-12, 1994. (oral)

34) ***Krupinski EA**, Roehrig H. Comparison digital x-ray cameras for stereotactic breast needle biopsy: an observer performance study. Intl Workshop Digital Mammography, York, England, Jul 10-12, 1994. (oral)

35) *McAleese K, Williams W, McNeill G, Hunt R, Patton D, Fajardo L, **Krupinski E**. Evaluation of non-palpable breast lesions with thallium-201 and technesium-99m-sestamibi using SPECT. Radiological Society of North America, Chicago, IL, Nov 27-Dec 2, 1994. (oral)

36) *Nodine CF, **Krupinski EA**. Feeding back visual dwell on undetected targets in medical x-ray images enhances observer performance. International Conference on Visual Search, Eindhoven, Netherlands, 29 Aug 29-Sep 1, 1994. (oral)

37) *Nodine CF, Locher PJ, Gray S, **Krupinski EA**. The influence of compositional balance on the perceptual analysis of paintings. International Association for Empirical Aesthetics, 2-5 Aug, Montreal, Canada, Aug 2-5, 1994. (oral)

38) *Sankaran V, Barrett HH, **Krupinski E**, Dereniak E. Hotelling trace criterion as a model for the performance of an IR imaging system. SPIE Conference on Optics, Imaging & Instrumentation, San Diego, CA, Jul 24-29, 1994. (oral)

39) *Yu YP, Martinez R, **Krupinski E**, Weinstein R. Analysis of JPEG compression on communications in a telepathology system. SPIE Medical Imaging, Newport Beach, CA, Feb 13-18, 1994. (poster)

1995

40) *Alexander D, **Krupinski E**, Wright W, Barrette T, McCreery T, Unger E. Evaluation of a new low density GI CT contrast agent - effect on CT angiography. Contrast Media Research Symposium, Turku, Finland, Jun 17-21, 1995. (oral)

41) *Brooks WJ, **Krupinski EA**, Lund PJ. Real-time sonographic evaluation of sacroiliac joint motion induced by spring testing. Interdisciplinary World Congress on Low Back Pain, San Diego, CA, Nov 9-11, 1995. (oral)

42) ***Krupinski EA**. Searching mammograms - what recording eye-position reveals. Far West Image Perception Conference, Philadelphia, PA, Oct 13-15, 1995. (oral)

43) ***Krupinski EA**. Observer performance comparison of "dry" vs "wet" laser film imaging systems for CT and MRI images. Far West Image Perception Conference, Philadelphia, PA, Oct 13-15, 1995. (oral)

44) ***Krupinski EA**. Observer performance assessment of "dry" laser vs. traditional "wet" film imaging systems. Association of University Radiologists, San Diego, CA, Apr 5-9, 1995. (oral)

45) ***Krupinski EA**. Requirements analysis for pediatric ICU softcopy display. SPIE Medical Imaging, San Diego, CA, Feb 26-Mar 2, 1995. (poster)

46) ***Krupinski EA**, Brooks WJ, Lund PJ. Demonstration of movement in the sacroiliac joint using ultrasound. SPIE Medical Imaging, San Diego, CA, Feb 26-Mar 2, 1995. (oral)

47) ***Krupinski EA**, Roehrig H. Reduction of patient exposure in pediatric radiology: an observer performance study. SPIE Medical Imaging, Feb 26-Mar 2, 1995. (oral)

48) *Lund PJ, **Krupinski EA**, Brooks W. Ultrasound evaluation of sacroiliac motion in normal volunteers. Association of University Radiologists, San Diego, CA, Apr 5-9, 1995. (oral)

49) *McAleese K, Williams W, McNeill G, Hunt R, Patton D, **Krupinski E**, Fajardo L. Mammoscintigraphy in

the detection of breast cancer: comparison of thallium-201 and technetium-99m with planar and SPECT. American Roentgen Ray Society, Washington, DC, Apr 30-May 5, 1995. (poster)

50) *Metzger-Rose C, Wright W, Baker M, **Krupinski E**, McCreery T, Barrette TR, Unger EC. Effect of phospholipid coated microbubbles (MRX-115) on the detection of testicular ischemia in a canine model. Contrast Media Research Symposium, Turku, Finland, Jun 17-21, 1995. (oral)

51)* Roehrig H, **Krupinski EA**, Yu T. Physical and psychophysical evaluation of digital systems for mammography. SPIE Medical Imaging, San Diego, CA, Feb-2 Mar 2, 1995. (oral)

1996

52) ***Krupinski EA**. Receiver operating characteristic evaluation of dry versus wet laser imaging films. Radiological Society of North America, Chicago, IL, Dec 1-6, 1996. (poster)

53) ***Krupinski EA**. Influence of experience on scanning strategies in mammography. SPIE Medical Imaging, Newport Beach, CA, Feb 12-15, 1996. (oral)

54) ***Krupinski EA**. Observer performance assessment of dry laser versus traditional wet film imaging systems. SPIE Medical Imaging, Newport Beach, CA, Feb 12-15, 1996. (oral)

55) ***Krupinski EA**. Lund PJ. Scanning differences in film versus monitor viewing of radiographs. Radiological Society of North America, Chicago, IL, Dec 1-6, 1996. (poster)

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)

57) *Lund P, Heikal A, Maricic M, **Krupinski E**, Williams C. Comparison of standard and computed radiography in skeletal trauma. Society of Musculoskeletal Ultrasound, Montreal, Canada, Oct 7-11, 1996. (oral)

58) *Lund PJ, **Krupinski EA**, Pereles S. Comparison of conventional and computed radiography: reader assessment and performance in skeletal trauma. Radiological Society of North America, Chicago, IL, Dec 1-6, 1996. (oral)

59) *Nodine CF, ***Krupinski EA**, *Kundel HL, *Borah J, *Toto LC. Eye-tracking in mammography: a live demonstration. Radiological Society of North America, Chicago, IL, Dec 1-6, 1996. (panel poster/interactive exhibit)

60) *Pereles FS, Baker M, Baldwin R, **Krupinski E**, Unger E. Laser-guidance of CT biopsy is more accurate than conventional "freehand" techniques. American Roentgen Ray Society, San Diego, CA, May 5-8, 1996. (oral)

61) *Roehrig H, **Krupinski EA**, Dallas WJ. Necessary spatial resolution in digital mammography. Computer Assisted Radiology, Paris, France, Jun 26-29, 1996. (oral)

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)

1997

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)

68) ***Krupinski EA**, Lund PJ. Viewing time differences for film versus monitor viewing of radiographs: what eye position reveals. SPIE Medical Imaging, Newport Beach, CA, Feb 23-28, 1997. (oral)

69) ***Krupinski EA**, Ovitt TW, Evanoff M. Use of image processing presets in chest radiography. Society for Computer Applications in Radiology, Rochester, MN, Jun 22-25, 1997. (oral)

70) ***Krupinski EA**, Ovitt TW, Evanoff M. Use of image processing tools and their influence on detection performance. Computer Assisted Radiology, Berlin, Germany, Jun 25-28, 1997. (poster)

71) ***Krupinski EA**, Roehrig H. Observer performance with mammographic images as a function of display (monitor) brightness. Far West Image Perception Conference, Tucson, AZ, Oct 16-18, 1997. (oral)

72) ***Krupinski EA**, Roehrig H, Hulett R. Patient exposure reduction in pediatric radiology. Radiological Society of North America, Chicago, IL, Nov 30-Dec 5, 1997. (poster)

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)

74) *May ML, Seeger JF, **Krupinski EA**, Carmody R, Unger EC. CTA of the carotid artery: a practical approach including 4-D angiography. American Society of Neuroradiology, Toronto, Canada, May 15-18, 1997. (oral)

75) Nodine CF, ***Krupinski EA**. Perceptual skill, radiology expertise and visual test performance with NINA and Waldo. Far West Image Perception Conference, Tucson, AZ, Oct 16-18, 1997. (oral)

76) *Pereles FS, Unger EC, Baker MR, **Krupinski EA**. Development of new laser guidance system which improves accuracy of image-guided biopsy. Association of University Radiologists, Dallas, TX, Apr 10-13, 1997. (oral)

77) *Spilde JM, Lee FT, Chosy SG, **Krupinski EA**, Yandow DR, Kuhlman JE. Evaluation of an experimental low-attenuation gastrointestinal contrast agent for the CT diagnosis of intestinal ischemia in an animal model. Radiological Society of North America, Chicago, IL, Nov 30-Dec 5, 1997. (oral)

78) *Wright WH, Baker MR, Hulett RL, Smyth SH, Granstrom P, **Krupinski EA**. Evaluation of new thrombus specific ultrasound contrast agent. Radiological Society of North America, Chicago, IL, Nov 30- Dec 5, 1997. (oral)

79) *Wright W, Baker M, Hulett R, Smyth S, Granstrom P, McCreery T, Unger EC, **Krupinski EA**. Evaluation of new thrombus specific ultrasound contrast agent. Contrast Media Research Symposium, Kyoto, Japan, May 16-21, 1997. (oral)

1998

- 80) *Berger WG, **Krupinski EA**, Standen JR. Detection of calcification within the solitary pulmonary nodule: analysis of plain radiographs with CT confirmation. Radiologic Society of North America, Chicago, IL, Nov 29-Dec 4, 1998. (oral)
- 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)
- 83) ***Krupinski EA**. Difference in viewing time for mammograms displayed on film versus a CRT monitor. International Workshop on Digital Mammography, Nijmegen, Netherlands, Jun 7-10, 1998. (oral)
- 84) ***Krupinski EA**, Evanoff M. Effect of image processing on diagnostic decisions in chest radiography. SPIE Medical Imaging, San Diego, CA, Feb 21-27, 1998. (oral)
- 85) ***Krupinski EA**, Roehrig H. How monitor luminance and tone scale influence the interpretation of mammograms displayed on a CRT monitor. Radiological Society of North America, Chicago, IL, Nov 29-Dec 4, 1998. (poster)
- 86) ***Krupinski EA**, Roehrig H, Furukawa T. Influence of monitor brightness and resolution on observer detection performance. SPIE Medical Imaging, San Diego, CA, Feb 21-27, 1998. (oral)
- 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)
- 88) *Roehrig H, **Krupinski E**. Image quality of CRT displays and the effect of brightness on diagnosis of mammograms. Society for Computer Applications in Radiology, Baltimore, MD, Jun 4-7, 1998. (oral)

1999

- 89) *Berbaum KS, Franken EA, Dorfman DD, Caldwell RT, **Krupinski EA**. A re-examination of the cause of the satisfaction of search effect in chest radiography using verbal protocols. 8th Far West Image Perception Conference, Calgary, Alberta, Canada, May 28-30, 1999. (oral)
- 90) *Berger WG, Erly WK, **Krupinski EA**, Carmody RF, Seeger JF. Radiology resident evaluation of emergent head CT examinations. Radiological Society of North America, Chicago, IL, Nov 28-Dec 3, 1999. (oral)
- 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)
- 92) *Holcomb M, McNeill K, **Krupinski EA**, Weinstein RS. Implementation of a tool for recording network performance and typical failures observed. American Telemedicine Association Mtg, Salt Lake City, UT, Apr 18-21, 1999. (oral)
- 93) *Johnson J, Lubin J, **Krupinski E**, Peterson H, Roehrig H, Baysinger A. Visual discrimination model for digital mammography. SPIE Medical Imaging, San Diego, CA, Feb 20-26, 1999. (oral)
- 94) ***Krupinski EA**. Human performance studies and the assessment of telemedicine programs. American Telemedicine Association Meeting, Salt Lake City, UT, Apr 18-21, 1999. (oral)
- 95) ***Krupinski EA**. Understanding cognition through visual search behaviors. OSA Annual Meeting, Santa Clara, CA, Sep 26-Oct 1, 1999. (oral)

- 96) ***Krupinski EA**. Evaluation of a digital camera for teleradiology. 8th Far West Image Perception Conference, Calgary, Alberta, Canada, May 28-30, 1999. (oral)
- 97) ***Krupinski EA**, Dolliver M, Webster P, Lulloff C, Weinstein RS. Assessing case turn-around times in a university-based telemedicine program. American Telemedicine Association Meeting, Salt Lake City, UT, Apr 18-21, 1999. (oral)
- 98) ***Krupinski EA**, LeSueur B, Ellsworth L, Levine N, Hansen R, Silvis N, Sarantopoulos P, Hite P, Wurzel J, Weinstein RS, Lopez AM. (1999). Diagnostic performance and image quality assessment in teledermatology. SPIE Medical Imaging, San Diego, CA, Feb 20-26, 1999. (oral)
- 99) ***Krupinski EA**, LeSueur B, Ellsworth L, Levine N, Hansen R, Silvis N, Sarantopoulos P, Hite P, Wurzel J, Weinstein RS, Lopez AM. Assessment of diagnostic accuracy using a digital camera for teledermatology. American Telemedicine Association Meeting, Salt Lake City, UT, April, 18-21, 1999. (oral)
- 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).
- 101) ***Krupinski EA**, McNeill K, Alden S, Holcomb M, Ovitt T. Patterns of use and satisfaction with a university-based teleradiology program. 16th Annual Society for Computer Applications in Radiology Conference, Houston, TX, May 6-9, 1999. (poster)
- 102) ***Krupinski EA**, McNeill K, Ovitt T, Alden S, Holcomb M, Lulloff C. Case volume, response times and user satisfaction with a university-based teleradiology program. American Telemedicine Association Meeting, Salt Lake City, UT, April, 18-21, 1999. (oral).
- 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)
- 2000**
- 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, Erly 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) *Ozgun 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) *Erly WK, Alcalá 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)
- 132) ***Krupinski EA**, Barker G, Rodriguez G, Engstrom M, Levine N, Weinstein, R. Telemedicine vs in-person dermatology referrals: an analysis of case complexity. 6th Annual American Telemedicine Association Meeting, Fort Lauderdale, FL, Jun 3-6, 2001. (oral)
- 133) ***Krupinski EA**, Ovitt T. Relationship of image quality to decision accuracy for ARVD in MRI. MIPS IX, Warrenton, VA, Sep 20-23, 2001. (oral)
- 134) ***Krupinski EA**, Radvany M, Levy A, Ballenger D, Tucker J, Chacko A, Van Metter R. (2001). Influence of enhanced visualization processing (EVP) of chest images on workflow. SPIE Medical Imaging, San Diego, CA, Feb 17-22, 2001. (oral)
- 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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- 142) *Altbach MI, Outwater EK, Trouard TO, **Krupinski EA**, Theilmann RJ, Stopeck AT, Gmitro AF. A novel

radial fast spin-echo method for obtaining high-resolution T2-weighted images and T2 maps of the liver in a breath hold. 10th Annual Meeting of the International Society for Magnetic Resonance in Medicine, Honolulu, HI, May 18-24, 2002. (oral)

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)

144) Cruz M, Cruz RF, ***Krupinski EA**, McNeely R, Weinstein RS. Effect of camera resolution bandwidth on facial affect recognition. 7th American telemedicine Association Meeting, Los Angeles, CA, Jun 2-5, 2002. (oral).

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, Gateby 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)

162) *Pereles FS, Collins JD, Song GK, **Krupinski EA**. Comparison of sphericity index and novel ellipsicity index as an indicator of constrictive physiology in patients with pericardial disease. 88th Meeting Radiological Society of North America, Chicago, IL, Dec 1-6, 2002. (oral)

163) *Roehrig H, Dallas WJ, Blume HR, **Krupinski EA**, Rogulski MM, Fan JH. Evaluation of plain-film digitizers: a comparison of different systems and models. SPIE Medical Imaging, San Diego, CA, Feb 23-28, 2002. (oral)

164) *Roehrig H, Dallas WJ, **Krupinski E**. Display of mammograms on a CRT. 6th International Workshop on Digital Mammography, Bremen, Germany, Jun 22-25, 2002. (oral)

165) *Roehrig H, Fan J, **Krupinski EA**, Gandhi K, Furukawa T, Ohashi M. LCDs versus CRTs, a comparative performance evaluation. 88th Meeting Radiological Society of North America, Chicago, IL, Dec 1-6, 2002. (poster).

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. Rapis 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)

173) *Johnson JP, Nafziger JS, **Krupinski EA**. Effects of grayscale window/level parameters on lesion detectability. SPIE Medical Imaging, San Diego, CA, Feb 15-20, 2003. (oral).

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)

175) *Kahn S, Taljanovic M, Ely WK, Fitzpatrick KA, Hunter TB, **Krupinski E**. Rationale for simultaneous magnetic resonance imaging of pelvis and lumbar spine in patients with hip and low back pain. 103rd Annual Mtg Am Roentgen Ray Society, San Diego, CA, May 4-9, 2003. (oral)

176) ***Krupinski EA**. Preparing slides & posters: some perceptual tips for better presentation – a short tutorial. SPIE Medical Imaging, San Diego, CA, Feb 15-20, 2003. (oral)

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)

2005

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)

2006

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)

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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)

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- 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 Biental 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)

2010

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)

2011

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)

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- 456) *Antoniotti 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 Ioflupane 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 compressability. 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)

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480) *Arif-Tiwari H, Becker-Weidman D, Kalb BT, Martin DR, **Krupinski EA**. Differentiating lipis 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)

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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 intercostals 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, 201q4. (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 FCTC. 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, *Hangiandreou 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 tecnologías 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, Bursley 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, Turvedy 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, Monetevideo, 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

bilisary 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, Safadr 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 Meetnig, Nov 25-30, Chicago, IL (oral)

660) *Braileanu M, Weinberg B, Mullilns 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, **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 7 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 Endontics 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 Meetnig, Nov 25-30, Chicago, IL (oral)
- 678) ***Krupinski EA**. Faculty tracks for imaging scientists. Radiological Society of North America Annual Meetnig, Nov 25-30, Chicago, IL (oral)
- 679) ***Krupinski EA**. Commercial partnerships, IP and technology transfer). Radiological Society of North America Annual Meetnig, Nov 25-30, Chicago, IL (oral)
- 680) ***Krupinski EA**. Medical image perception and its importance in resident education. Radiological Society of North America Annual Meetnig, 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 Meetnig, 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 photi-verifaction technology. Radiological Society of North America Annual Meetnig, 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 Meetnig, 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 Meetnig, Nov 25-30, Chicago, IL (oral panel)

2019

681) 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)

682) **Krupinski EA**. Medical imaging: the need for human-artificial intelligence synergy. SPIE Photonics West Annual Meeting, Jan 2-7, San Francisco, CA (oral invited)

683) **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)

684) 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)

685) 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)

686) 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 Meetnig, Mar 10-31, Scottsdale, AZ (oral)

687) 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)

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” wsebinar 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)

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)

25. 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.

26. Grant Support:

a. Active Support:

i. Federally Funded:

1) PI, HRSA (OAT), Southwest Regional Telehealth Resource Center (G22RH30360-01-00), grant (renewal), \$325,000, 9-1-17 – 8-31-20. (Emory is sub to University of Arizona)

2) PI, NIH (NIBIB), Compromised Diagnostic Radiology Interpretation from Observer Fatigue (5R01EB004987-06), grant, \$1,327,096, 07-01-13 – 06-30-19.

3) Co-Investigator, NIH (NCI), Task-specific compression for biomedical big data (1U01CA98945-01), grant, \$1,416,750, 6-1-15 – 5-31-19. (Emory is sub to University of Arizona, Ali Bilgin, PhD PI)

4) Co-Investigator, HRSA, Southeast Regional Genetics Network (UH7MC30772-01-00), grant, \$345,179, 6-1-17 – 5-31-19. (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)

ii. Contracts:

iii. Other:

1) Investigator, State of Arizona, Arizona Telemedicine Program, \$1,000,000, 1-1-96 – present.

2) Co-Investigator (Duszak PI), Woodruff Synergy Award, \$78,892, 9-1-16 – 8-31-17

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 (ADVANCE). 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 Srimi 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.

27. 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.

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h. Other Publications:

Technical Reports

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Editorials, Comments & Position Papers

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37) Pantanowitz L, **Krupinski EA.** (2014). American Telemedicine Association 2014 Meeting: What did you miss? *J Pathol Inform*, 5, 30.

2015

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2017

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reader performance and clinical competency require clinically realistic procedures for unconstrained search. Radiology 283, 920-921.

2018

48) **Krupinski EA.** (2018). Deep learning of radiology reports for pulmonary embolus: is a computer reading my report? Radiology 286, 853-855.

49) **Krupinski EA,** Rainford L. (2018), Embracing diversity in radiography: what can we learn from our colleagues? Radiography 24, S1-S2.

2019

50) Bruno MA, Duncan JR, Tappouni R, **Krupinski EA.** The resident preliminary report: benefits of a second read. J Am Col Radiol 16, 272-273.

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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>

3) 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: a tripartite comparison of phase-sensitive inversion recovery sequences. Zenodo <http://doi.org/10.5281/zenodo.51113>

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>

28. 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)