

## Curriculum Vitae

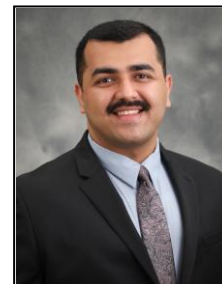
**Date Updated**      **March 1<sup>st</sup> 2025**

**Name:**              **Ranish D. Ali Khawaja, M.D.**

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### Education

10/2007 – 11/2012	M.D. (Honors)	Medicine	Aga Khan University Medical College, Pakistan
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### Postdoctoral Training

12/2012 – 6/2015	Research Fellowship	Patient Radiation Safety and CT Image Quality	Harvard University, Massachusetts General Hospital, Boston, MA
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### Clinical Training

7/2015 – 6/2016	Internship	Internal Medicine	Internal Medicine, North Shore Medical Center, Salem, MA
7/2016 – 6/2020	Residency	Diagnostic Radiology	Duke University School of Medicine, Durham, NC
7/2020 – 6/2021	Fellowship	Cardiothoracic Imaging	Duke University School of Medicine, Durham, NC

### Work Experience

8/2021 – current	Staff Attending Cardiothoracic Radiologist, Assistant Professor of Radiology, University of Colorado School of Medicine Department of Radiology, Aurora, Colorado, United States of America.
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### Board Certification

2021	The American Board of Radiology – ABR Board Certification
2014	Certification for Educational Commission of Foreign Medical Graduates

**Medical Licensure**

2021– current      Colorado State Medical License

**Major Administrative Leadership Positions****Local**

2022 – current	Lead Member	Section Lead for Quality Improvement – Department of Radiology, University of Colorado Hospital
2023	Member	Education Committee, North American Society for Cardiovascular Imaging
2022	Moderator	North American Society for Cardiovascular Imaging, Annual Meeting, Cleveland, OH September 10-13th 2022.
2017	ACR Reference Committee Member	American College of Radiology Annual Meeting, Washington, DC
7/2013 – 3/2015	Investigator and Coordinator	Protocol and Radiation Optimization for CT with Interactive Education (PRACTICE), The Radiological Society of North America Research and Education Foundation
3/2013 – 3/2015	Coordinator	Massachusetts General Hospital Webster Center for Advanced Research and Education in Research

**Innovation for Science in Diagnostic Radiology Industry**

- Computed Tomographic based Functional Fractional Reserve (CT-FFR) analysis:  
Invited Consultant to develop the new CT-FFR analysis interface software program.  
*HeartFlow, California – 5/2024 – 7/2024.*
- Guerbet Medical Advisory Board Meeting  
Invited Consultant to advise on safety profile and indications of the new contrast agent Elucirem  
(gadopilenol) for use in the diagnostic radiology cardiac MRI exams.  
*San Diego, CA - 9/30/2023*

**Honors and Prizes**

2023	Scholarship for Clinician Educator Development Program	Scientific Assembly and Annual Meeting of American Roentgen Ray Society, Honolulu, HI
2017	Best Power Poster	Scientific Assembly and Annual Meeting of Society of Body Computed Tomography and

		Magnetic Resonance, Nashville, TN
2015	Best Trainee Prize	65 <sup>th</sup> Scientific Assembly and Annual Meeting of Association of University Radiologists, New Orleans, LO
2014	RSNA Best Trainee Prize (Co-Investigator)	100 <sup>th</sup> Scientific Assembly and Annual Meeting of Radiological Society of North America, Chicago, IL
2014	RSNA Best Trainee Prize (Primary Investigator)	100 <sup>th</sup> Scientific Assembly and Annual Meeting of Radiological Society of North America, Chicago, IL
2014	Caffey Award Nomination	57 <sup>th</sup> Scientific Assembly and Annual Meeting, Society of Pediatric Radiology (SPR), Washington, DC
2014	Recognition by <i>2014 RSNA Presents</i>	62 <sup>nd</sup> French Society of Radiology Meeting, Journées Françaises de Radiologie (JFR), Paris, France
2014	AUR Best Trainee Prize	64 <sup>th</sup> Scientific Assembly and Annual Meeting of Association of University Radiologists, Baltimore, MD
2013	Certificate of Merit	99 <sup>th</sup> Scientific Assembly and Annual Meeting of Radiological Society of North America, Chicago, IL
2012	Honors	Medical College Professional Exam Part I, Aga Khan University
2009-2010	The Aga Khan University Scholarship Award	Top 15% of the class in Medical College
2009	Best Oral Presentation	3 <sup>rd</sup> National Young Pakistani Physicians Research Conference, Karachi, Pakistan
2007-2009	Merit Scholarship and Tuition Grant for 5 years	Aga Khan University Medical College
2006	Second Position	State Entrance Exam for Medical Colleges, <i>MCAT</i>
2006	First Position	Pre-Medical State Board Examinations

**Professional Societies**

2013 – current	Member	Radiological Society of North America
2014 – current	Member	Association of University Radiologists
2017– current	Member	American College of Radiology
2017– current	Member	Society of Body Computed Tomography and Magnetic Resonance
2020– current	Member	Society of Thoracic Radiology

**Report of Local Teaching and Training****Formal Teaching of Peers (e.g., CME and other continuing education courses)**

No presentations below were sponsored by outside entities.

2013	Simplifying size-specific radiation dose estimates in Pediatric CT 99 <sup>th</sup> Scientific Assembly and Annual Meeting, Radiological Society of North America	Single presentation Chicago, IL
2014	Sub-millisievert Pediatric Chest CT: Implementation of Hybrid (ASIR) and Pure (MBIR) Iterative Reconstruction Techniques for Substantial Dose Reduction 100 <sup>th</sup> Scientific Assembly and Annual Meeting, Radiological Society of North America	Single presentation Chicago, IL

**Local Invited Presentations**

No presentations below were sponsored by outside entities.

October 2024	Thoracic Interdisciplinary Case Conference – Annual CHEST Meeting, Boston, MA.
September 2024	FFR-CT Cardiovascular Imaging - North American Society for Cardiovascular Imaging, Annual Meeting, Boston, MA.
September 2023	CT Imaging of Atria - North American Society for Cardiovascular Imaging, Annual Meeting, Scottsdale, AZ September 2023.
2020 - 2021	CT Coronary Workflow – Quality Improvement Department of Radiology, Duke University Health System
2020	Journal Club at the Cardiothoracic Imaging Fellows Conference Department of Radiology, Duke University Health System
2018	Radiology Grand Rounds

Department of Radiology, Duke University Health System

- 2013 Journal Club at the Webster Center for Advanced Research and Education in Radiation  
Department of Radiology, Massachusetts General Hospital
- 2013 7<sup>th</sup> Annual Research Fellows Poster Celebration  
Office of Research Career Development, Massachusetts General Hospital
- 2014 Quality Improvement in Pediatric Fluoroscopy  
Department of Radiology, Massachusetts General Hospital
- 2013-2014 Scientific Talks at the Webster Center for Advanced Research and Education in  
Radiation, Department of Radiology, Massachusetts General Hospital

## **Report of Education of Patients and Service to the Community**

### **Educational Material for Patients and the Lay Community**

No educational materials below were sponsored by outside entities.

#### **Books, monographs, articles and presentations in other media**

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|------|--|--|
| 2012 | Does your radiologist's gender matter?   | The Reading Room, Image Performance-Partnership, The Advisory Board Company  |
| 2013 | Breaking bad news: some docs are more willing than others                        | AuntMinnie. <a href="http://www.auntminnie.com">www.auntminnie.com</a>   |
| 2013 | Data sampling technique cuts CT lung dose to 0.25 mSv                            | AuntMinnie. <a href="http://www.auntminnie.com">www.auntminnie.com</a> CT Insider Exclusive and CT Digital Community                                 |
| 2014 | Iterative Reconstruction Techniques Reduce Radiation Dose for Pediatric Brain CT | American Roentgen Ray Society, Online Pressroom. News Release at the 114 <sup>th</sup> Scientific Assembly and Annual Meeting, San Diego, California |
| 2014 | Iterative recon cuts dose for pediatric head CT                                  | AuntMinnie. <a href="http://www.auntminnie.com">www.auntminnie.com</a> CT Insider Exclusive.   |
| 2014 | Iterative reconstruction techniques reduce radiation dose for pediatric brain CT | ScienceDaily.  |
| 2014 | Iterative reconstruction techniques reduce pediatric head CT dose                | ObGyn.net News May 07, 2014  |
| 2014 | Low-dose CT techniques and applications  | healthimaging.com July 10, 2014  |

2017	Automated image quality tool is adapted for pediatric studies.	AuntMinnie. <a href="http://www.auntminnie.com">www.auntminnie.com</a> Digital X-ray Preview
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## Report of Scholarship

### Peer reviewed publications in print or other media

1. Mestas Nuñez M, Dulcich G, Restrepo CS, **Khawaja R**, Shankar N, Restauri N, Broncano J, Vargas D. Congenital Lung Anomalies in Adults. Radiographics. 2024 Sep;44(9)
2. **Khawaja R**, Chawla A, Vargas D. Anterior Subtype of Partial Anomalous Left Pulmonary Artery. Radiol Cardiothorac Imaging. 2023 Apr 20;5(2):e220189.
3. Wu MY, **Khawaja RD**, Vargas D. Heart Transplantation: Indications, Surgical Techniques, and Complications. Radiol Clin North Am. 2023 Sep;61(5):847-859.
4. Wu MY, Bang TJ, Restauri N, Chawla A, **Khawaja RDA**, Vargas D. Imaging Acute Aortic Syndromes. Semin Roentgenol. 2022 Oct;57(4):335-344
5. Fides S, **Khawaja RDA**, Marin D, Patel B, Gray A, Reynolds J, Koweeck L. Split-Bolus Dual-Enhancement Abdominal Computed Tomography Angiography: Resource Utilization and Image Quality. AJR Am J Roentgenol. 2020 Dec;215(6):1520-1527.
6. **Khawaja RD**, Singh S, Padole A, Otrakji A, Lira D, Zhang D, Liu B, Primak A, Xu G, Kalra MK. Point Organ Radiation Dose in Abdominal CT: Effect of Patient Off-Centering in an Experimental Human Cadaver Study. Radiat Prot Dosimetry. 2017 Jan 10. PubMed PMID: 28074019
7. Padole A, Sainani N, Lira D, **Khawaja RD**, Pourjabbar S, Lo Gullo R, Otrakji A, Kalra MK. Assessment of sub-milli-sievert abdominal computed tomography with iterative reconstruction techniques of different vendors. World J Radiol. 2016 Jun 28;8(6):618-27. PubMed PMID: 27358690
8. Padole A, **Khawaja RDA**, Otrakji A, Zhang D, Liu B, Xu XG, Kalra MK. Comparison of measured and estimated CT organ doses for modulation and fixed tube current: A human cadaver study. Acad Radiol. 2016 Feb 3. PubMed PMID: 26852248.
9. Lo Gullo R, Mishra S, Lira DA, Padole A, Otrakji A, **Khawaja RD**, Pourjabbar S, Singh S, Shepard JO, Digumarthy SR, Kalra MK, Stone JR. Quantification of interstitial fluid on whole body CT: comparison with whole body autopsy. Forensic Sci Med Pathol. 2015 Nov 5. PubMed PMID: 26541472.
10. **Khawaja RDA**, Singh S, Blake M, Harisinghani M, Choy G, Karosmanoglu A, Padole A, Pourjabbar S, Do S, Kalra M. Ultra-low dose abdominal CT: comparison of two iterative

reconstruction techniques in a prospective clinical study. *J Comput Assist Tomogr.* 2015 Jul-Aug;39(4):489-98. PMID: 26182223

11. Padole A, **Ali Khawaja RD**, Kalra MK, Singh S. CT radiation dose and iterative reconstruction techniques. *AJR Am J Roentgenol.* 2015 Apr;204(4):W384-92. PMID: 25794087
12. Padole A, Singh D, Lira D, Blake MA, Pourjabbar S, **Khawaja RD**, Choy G, Saini S, Do S, Kalra M. Assessment of filtered back projection, adaptive statistical, and model-based iterative reconstruction for reduced dose abdominal computed tomography. *J Comput Assist Tomogr.* 2015 Feb 27 PMID: 25734468
13. Karaosmanoglu, **Khawaja RDA**, Kalra MK. CT and MR imaging of aortic coarctation: pre- and post-surgical findings. *AJR Am J Roentgenol.* 2015 Mar;204(3):W224-33 PMID: 25714305
14. **Khawaja RDA**, Vettiyl B, Singh S, Gee M, Lim R, Westra S, Kalra M. Simplifying size-specific radiation dose estimates in pediatric CT. *AJR Am J Roentgenol.* 2015 Jan;204(1):167-76 PMID: 25539253
15. **Khawaja RDA**, Singh S, Blake M, Harisinghani M, Choy G, Karaosmanoglu A, Do S, Padole A, Brown K, Thompson R, Morton T, Raihani N, Kohler T, Kalra M. Ultra-low dose abdominal MDCT: using a knowledge-based iterative model reconstruction technique for substantial dose reduction in a prospective clinical study. *Eur J Radiol.* 2015 Jan;84(1):2-10 PMID: 25458225
16. **Khawaja RDA**, Singh S, Otrakji A, Padole A, Lim R, Nimkin K, Westra S, Kalra M, Gee MS. Dose reduction in pediatric abdominal CT: use of iterative reconstruction techniques across different CT platforms. *Ped Radiol.* 2014 Nov 7. PMID: 25427434
17. Wang Y, Lim R, **Khawaja RD**, Blake M. Improving concordance of MRI and PET/CT interpretations with retrospectively coregistered MRI and PET/CT data sets. *Curr Probl Diagn Radiol.* 2014 Nov 12. PMID: 25745822
18. **Khawaja RDA**, Singh S, Madan R, Sharma A, Padole A, Pourjabbar S, Digamurthy S, Shepard JA, Kalra M. Ultra low-dose chest CT using filtered back projection: comparison of 80-, 100- and 120-kvp protocols in a prospective randomized study. *Eur J Radiol* 2014 Oct; 83(10):1934-44 PMID: 25063211
19. **Khawaja RDA**, Singh S, Lira D, Bippus R, Do S, Padole A, Pourjabbar S, Koehler T, Shepard JO, Kalra M. Role of compressive sensing technique in dose reduction for chest CT: a prospective blinded clinical study. *J Comput Assist Tomogr.* 2014 May 15. PMID: 24834892
20. **Khawaja RDA**, Singh S, Gilman M, Sharma A, Do S, Pourjabbar S, Padole A, Lira D, Brown K, Shepard JO, Kalra M. CT of the chest at less than 1 mSv: An ongoing prospective clinical trial of chest CT at sub milli Sievert radiation doses with Iterative Model image Reconstruction (IMR) and iDose<sup>4</sup> technique. *J Comput Assist Tomogr.* 2014 Jul-Aug;38(4):613-9 PMID: 24651746

21. Singh S, Kalra MK, **Khawaja RDA**, Padole A, Pourjabbar S, Lira D, Shepard JO, Digumarthy SR. Iterative reconstruction and its role in thoracic imaging. *Radiol Clin North Am*. 2014 Jan; 52(1):1-15 PMID: 24267707
22. Lim R, **Khawaja RDA**, Nimkin K, Sagar P, Shailam R, Gee MS, Westra SJ. Relationship between radiologist training level and fluoroscopy time for voiding cystourethrography. *AJR Am J Roentgenol*. 2013 Mar;200(3):645-51 PMID: 23436857
23. **Khawaja RDA**, Mirza WA, Khawaja A, Irfan H, Naeem M, Memon M. Patient communication in radiology: current status of breaking bad news among radiologists and radiology trainees in Pakistan. *J Coll Phy Surg*. 2013, Vol. 23 (10):761-3 PMID: 24112271
24. Nadeem N, **Khawaja RDA**, Beg M, Naeem M, Majid Z. Undergraduate radiology education in private and public teaching hospitals in Karachi, Pakistan: teaching duties, methodologies, and rewards. *Advances in Medical Education and Practice* 2013;4 31-37 PMID: 23745098
25. Zhang Da, Padole A, Li Xinhua, Singh S, **Khawaja R**, Lira D, Liu T, Shi JQ, Otrakji A, Kalra MK, Xu G, Liu B. In vitro dose measurements in a human cadaver with abdomen/pelvis CT scan. *Med Phys* 2014 Sep;41(9):091911 PMID: 25186398
26. Padole A, **Khawaja RDA**, Singh S, Kalra M. CT radiation dose and tube potential adjustment. *AJR Am J Roentgenol*. 2014 Oct;203(4):772-81 PMID: 25247943
27. Singh S, **Khawaja RDA**, Pourjabbar S, Padole A, Lira D, Kalra M. Iterative Image Reconstruction and its Role in Cardiothoracic CT. *J Thorac Imaging* 2013 Nov;28(6):355-67 PMID: 24149861
28. Pourjabbar S, Singh S, Kulkarni N, Muse V, Digumarthy S, **Khawaja R**, Padole A, Do S, Kalra MK. Dose reduction for chest CT: comparison of two iterative reconstruction techniques. *Acta Radiol*. June 2014 PMID: 24948790
29. Padole A, Singh S, Ackman JB, Wu C, Do S, Pourjabbar S, **Khawaja RDA**, Otrakji A, Digumarthy S, Shepard JA, Kalra MK. Submillisievert chest CT with filtered back projection and iterative reconstruction techniques. *AJR Am J Roentgenol*. 2014 Oct;203(4):772-781
30. Pourjabbar S, Singh S, Sharma A, Padole A, **Khawaja RDA**, Lira D, Kalra M. What is the minimal radiation dose that can be used for detecting pleural effusion? *AJR Am J Roentgenol*. 2014 Jul;203(1):118-22 PMID: 24951204
31. **Khawaja RDA**, Khan SM. Trends of surgical career selection among medical students and graduates: a global perspective. *J Surg Educ*. 2010 Jul-Aug;67(4):237-48 PMID: 20816360
32. Pervez S, **Khawaja RDA**. Mediastinal lymphomas: primary mediastinal (thymic) large B-cell lymphoma versus classical Hodgkin lymphoma, histopathologic dilemma solved. *Pathol Res Pract*. 2010 Jun;206(6):365-7 PMID: 20185248



33. Fatimi SH, **Khawaja RDA**, Majid Z, Sohail S, Kamal M. Massive hemoptysis as an unusual symptom in a patient with papillary thyroid carcinoma. *Ther Adv Endocrinol Metab.* 2013 Dec;4(6):173-5. PMID: 24324857
34. Fatimi SH, **Khawaja RDA**, Majid Z. Giant osteosarcoma of chest wall requiring resection and pneumonectomy. *Asian Cardiovasc Thorac Ann.* 2014 Sep;22(7):875-7 PMID: 24887861
35. Saleem AF, **Khawaja RDA**, Shaikh AS, Ali SA, Zaidi A. Severe combined immunodeficiency syndrome. *J Coll Phy Surg.* 2013 August, Vol. 23 (8): 570-573 PMID: 23930874
36. Fatimi SH, Khawaja A, **Khawaja RDA**, Hoda M, Bhimani SA. Benign granulomatous polyps obstructing the bronchus: surgical and radiological perspective. *J Coll Phy Surg.* 2013 July, Vol. 23 (7): 519-521 PMID: 23823964
37. Fatimi SH, Bhimani SA, **Khawaja RDA**, Khawaja A. Imaging and intervention for coronary artery disease following irradiation of malignant thymoma. *J Pak Med Assoc.* 2012 Nov;62(11):1248-1250 PMID: 23866423
38. Fatimi SH, **Khawaja RDA**, Kiani SK. Imaging and Intervention of Paraneoplastic Effect of a Right Atrial Myxoma on Factor VII Activity Levels. *Ann Thorac Surg* 2011 Jan;91 (1):278-81 PMID: 21172532
39. **Khawaja RDA**, Fatimi SH, Shahabuddin S. Epithelioid hemangioendothelioma of axillary vein: an imminent vascular tumor? *Am Surg* 2010 Sep;76(9):E176-7 PMID: 21396278
40. **Khawaja RDA**, Fatimi SH, Naeem M, Haque S. Dysphagia secondary to malignant tuberculous lymphadenopathy: role of video-assisted thoracoscopic surgery in a developing country. *Am Surg* 2010 Nov;76(11):E218-9 PMID: 21375823
41. Fatimi SH, **Khawaja RDA**. Catamenial Pneumothorax associated with ascites, eosinophilic pleural effusion, and relatively low glucose content. *Am Surg* 2010 Nov;76(11):E212-3 PMID: 21375820
42. **Khawaja RDA**, Fatimi SH, Zaidi M. Imaging and intervention of traumatic right upper lobe bronchial avulsion. *Am Surg* 2010 Nov;76(11):E201-2 PMID: 21375815
43. Fatimi SH, **Khawaja RDA**, Niazi SK, Luqman Z. Late concomitant pseudoaneurysm and arteriovenous fistula of the subclavian artery: A Developing Country Perspective. *Vasc Endovascular Surg.* 2010 Aug;44(6):503-5 PMID: 20519279
44. Jafferani A, Malik A, **Khawaja RDA**, Sheikh L, Sharif H. Surgical management of valvular heart diseases in pregnancy. *Eur J Obstet Gynecol Reprod Biol.* 2011 Nov;159(1):91-4 PMID: 21839576

[Non-peer reviewed scientific or medical publications/materials in print or other media](#)

1. Gao Y, Lin H, Liu T, Li X, Liu B, **Khawaja R**, Kalra M, Caracappa P, Xu X. Stimulation study of patient off-centering effect on organ dose in chest CT scan. *Med Phys* 42, 3544 (2015)
2. **Khawaja RDA**, Akhtar W, Khawaja A. Role of Regional, Cultural, and Sex Differences in Delivering Bad news in Clinical Radiology: Evidence from a Developing Country. *AJR Am J Roengenol.* 2012 Feb;198(2):W195-6 PMID: 22268213
3. **Khawaja RDA**, Nadeem N, Beg M. Focus on Radiology Medical Education: Teaching Preferences among Radiologists and Residents in Private and Public Radiology Departments in Pakistan. *PJR Pak J Radiol* 2011; 21(1):53-54
4. **Khawaja RDA**, Jahan F. Rekindling the Interest of Primary Care Specialties among Medical Students of a Developing Country: Perspective from Pakistani Medical Education Systems. *J Pak Med Assoc.* 2011 Dec;61(12):1257-8 PMID: 22355986
5. **Khawaja RDA**. Vanishing Surgeons: Cultural, Economical, and Social Limitations for Pakistani Medical Students and Trainees. *Am Surg.* 2011 Mar;77(3):368 PMID: 21375858
6. **Khawaja RDA**, Nadeem N, Beg M. Promotion of Clinical Radiology Research in Our Teaching Hospitals: Viewpoint from Pakistan. *PJR Pak J Radiol* 2010; 20(3):150-151
7. **Khawaja RDA**, Chawla T, Shakoor A. Women in Surgery: Possible Interventions at Medical School. *Singapore Med J.* 2010 Dec;51(12):974-5 PMID: 21221506
8. **Khawaja RDA**, Gee M, Lim R, Westra S, Kalra M, Singh S. How low can we go? Iterative Reconstruction Techniques to Achieve Pediatric CT Radiation Dose Less than 1 mSv. *Ped Radiol.* 2014;44 (Supplement I):S1-S253
9. Wang Y, Lim R, **Khawaja RDA**, Blake M. Improving Specificity of MRI for Evaluating Pelvic Disease with Software Fused 18F-FDG PET/MRI. *J Nucl Med.* 2012;53 (Supplement I):69
10. **Khawaja RDA**, Obeidat M, Kozlowski K, Kaulak S, Li L, and Ballermann BJ. Role of Protein TIMAP in Inhibition of Tumor Angiogenesis: Interaction between Protein Phosphatase-1 Regulatory Subunit, TIMAP and Myosin Light Chain-II (MLC2) in Endothelial Cells. *J Pak Med Assoc. Special Supplement I Vol.* 2009
11. **Khawaja RDA**, Obeidat M, Kozlowski K, Kaulak S, Li L, and Ballermann BJ. Role of LAMR1 in Endothelial Cell Motility when LAMR1 is a TIMAP/PP1 Dependent Substrate in Endothelial Cells. *J Pak Med Assoc. Special Supplement I Vol.* 2009
12. Pourjabbar S, **Khawaja RDA**, Singh S, Padole A, Lira D, Kalra M. Case Study: Role of Image-based Iterative Reconstruction Technique for Low Radiation Dose Chest CT. *Applied Radiology* July 2013

#### Abstracts, Poster Presentations and Exhibits Presented at Professional Meetings

1. **Khawaja RDA**, Wells J, Ding A, Frush D, Samei E, Schooler G. Patient-based Image Quality Metrology Program for Pediatric Clinical Chest Projection Imaging. 103<sup>rd</sup> Scientific Assembly and Annual Meeting, Radiological Society of North America (RSNA), Chicago, Illinois. 12/2017
2. **Khawaja RDA**, Marin D, Patel B, Gray A, Reynolds J, Kowek L. Split-Bolus Dual-Enhancement Abdominal Pelvic Computed Tomography Angiography before Lung Transplantation: Image Quality, Protocol Design, and Resource Utilization. 103<sup>rd</sup> Scientific Assembly and Annual Meeting, Radiological Society of North America (RSNA), Chicago, Illinois. 12/2017
3. **Khawaja RDA**, Patel B, Ho L, Marin D. Imaging Challenges in Radiomics: CT Protocol Optimization and Technical Limitations in Textural Analysis for Oncologic Assessment of Solid Tumors. 103<sup>rd</sup> Scientific Assembly and Annual Meeting, Radiological Society of North America (RSNA), Chicago, Illinois. 12/2017
4. **Khawaja RDA**, McAdams P, Tailor T. From Conventional Chemotherapy to Novel Immunotherapies: An Image-based Itinerary of Response Patterns in Lung Cancer. 103<sup>rd</sup> Scientific Assembly and Annual Meeting, Radiological Society of North America (RSNA), Chicago, Illinois. 12/2017
5. **Khawaja RDA**, Marin D, Patel B, Kowek L. Hospital costs, Contrast Utilization and Image Quality for a Split-Bolus Dual Enhancement CT Abdominal Pelvic Angiography for Patients Undergoing Lung Transplantation. 40<sup>th</sup> Annual Meeting of Society of Computed Body Tomography and Magnetic Resonance, Nashville, TN. 9/2017
6. Wildman-Tobriner B, Parente V, Cline B, **Khawaja RDA**, Maxfield C. Busy resident call shifts: do increased CT volumes correlate with higher discrepancy rates for preliminary interpretations? 65<sup>th</sup> Scientific Assembly and Annual Meeting, Association of University Radiologists, Hollywood, FL 05/2017
7. Phewplung T, Taphey M, **Khawaja RDA**, Westra S, Sagar P, Shailam R, Gee M, Lim R. Radiation dose reduction in pediatric fluoroscopy: impact of an educational intervention in a prospective clinical setting. 116<sup>th</sup> Scientific Assembly and Annual Meeting, American Radiological Roentgen Society, Los Angeles, California. 04/2016
8. **Khawaja RDA**, Solomon JB, Zhang Y, Kalra M, Frush DP, Samei E. Low-contrast detection in 80-, 100-, 120- and 140-kVp MDCT protocols using Adaptive Statistical Iterative Reconstruction-V technique: diagnostic accuracy, image quality, and radiation dose in a phantom study. 101<sup>st</sup> Scientific Assembly and Annual Meeting, Radiological Society of North America (RSNA), Chicago, Illinois. 12/2015
9. **Khawaja RDA**, Solomon JB, Zhang Y, Kalra M, Frush DP, Samei E. Performance of a novel third generation Adaptive Statistical Iterative Reconstruction-V (ASiR-V) for dose reduction in MDCT: task-specific quantitative and qualitative evaluation. 101<sup>st</sup> Scientific Assembly and Annual Meeting, Radiological Society of North America (RSNA), Chicago, Illinois. 12/2015

10. **Khawaja RDA**, Madan R, Sharma A, Digumarthy S, Shepard JA, Singh S, Padole A, Koehler T, Kalra M. MicroSievert Chest CT: Detection of Lung Findings using Three Different Reconstruction Algorithms (IMR, iDose, FBP) in a Prospective Clinical Study. 100<sup>th</sup> Scientific Assembly and Annual Meeting, Radiological Society of North America (RSNA), Chicago, Illinois. 12/2014
11. **Khawaja RDA**, Singh S, Madan R, Digumarthy S, Shepard JA, Lo Gullo R, Padole A, Pourjabbar S, Kalra M. Five Different Iterative Reconstruction Techniques across Three Vendors at the Lowest Possible Radiation Doses in Chest CT: Prospective Randomized Blinded Study. 100<sup>th</sup> Scientific Assembly and Annual Meeting, Radiological Society of North America (RSNA), Chicago, Illinois. 12/2014
12. **Khawaja RDA**, Madan R, Singh S, Blake M, Saini S, Sainani N, Shingare A, Padole A, Pourjabbar S, Angel E, Kalra M. Achieving Sub-milliSievert Radiation Dose: Prospective Randomized Clinical Study to Assess Ultra-low Dose Abdominal MDCT with a Three Dimensional Adaptive Iterative Reconstruction (AIDR) and Image-based Iterative Reconstruction (SafeCT). (*Accepted*) 100<sup>th</sup> Scientific Assembly and Annual Meeting, Radiological Society of North America (RSNA), Chicago, Illinois 12/2014
13. **Khawaja RDA**, Blake M, Harisinghani M, Choy G, Karaosmanoglu A, Singh S, Padole A, Pourjabbar S, Koehler T, Kalra M. Knowledge-based Iterative Model Reconstruction Technique for Substantial Dose Reduction in Abdominal MDCT: Comparison with Hybrid and Traditional Filtered Back Projection in a Prospective Clinical Study. (*Accepted*) 100<sup>th</sup> Scientific Assembly and Annual Meeting, Radiological Society of North America (RSNA), Chicago, Illinois. 12/2014
14. **Khawaja RDA**, Singh S, Padole A, Otrakji A, Lira D, Zhang D, Liu B, Xu G, Primak A, Kalra M. Effect of Patient Centering Technique on In-Vitro Human Organ Doses for Abdominal CT. (*Accepted*) 100<sup>th</sup> Scientific Assembly and Annual Meeting, Radiological Society of North America (RSNA), Chicago, Illinois. 12/2014
15. **Khawaja RDA**, Westra S, Singh S, Lim R, Gee M, Sagar P, Nimkin K, Padole A, Lo Gullo, Kalra M. Sub-millisievert Pediatric Chest CT: Implementation of Hybrid (ASIR) and Pure (MBIR) Iterative Reconstruction Techniques for Substantial Dose Reduction. (*Accepted*) 100<sup>th</sup> Scientific Assembly and Annual Meeting, Radiological Society of North America (RSNA), Chicago, Illinois. 12/2014
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### Hobbies/Interests

- Spending time with my wife, and 3 children (Ebrahim, Yusef, and Mariam)
- Hiking, and playing Cricket
- Cooking (Middle Eastern, Pakistani cuisines)

*\*References available upon request.*