Prashant Nagpal, MD, FSCCT

Professor of Radiology and Section Chief, Cardiovascular Imaging, University of Wisconsin–Madison
hello@prashantnagpalmd.com prashantnagpalmd.com ORCID 0000-0003-2347-034X

127 peer-reviewed papers indexed in PubMed (29 as first author, 18 as senior author). 2,930 citations and h-index 28 on Google Scholar (November 2026).

Appointments

2025–present	**Professor of Radiology**, University of Wisconsin–Madison School of Medicine and Public Health
2021–present	**Section Chief, Cardiovascular Imaging**, University of Wisconsin–Madison
2024–present	**Co-Director, Clinical 3D Lab and RADIUS Medical Image Analysis Core**, University of Wisconsin–Madison
2021–present	**Fellowship Director, MRI**, University of Wisconsin–Madison
2025–present	**Fellowship Director, Advanced Cardiovascular Imaging**, University of Wisconsin–Madison
2021–2025	**Associate Professor of Radiology**, University of Wisconsin–Madison
2018–2021	**Assistant Professor of Radiology; Director, Cardiac Imaging**, University of Iowa Carver College of Medicine
2019–2021	**Director (Research), Radiology Residency**, University of Iowa Hospitals and Clinics
2020–2021	**Director, Advanced Imaging and Post-processing Laboratory**, University of Iowa Hospitals and Clinics
2011–2012	**Instructor, Radiology**, Maulana Azad Medical College, Delhi University

Education and training

2013–2014	**Fellowship, Cardiovascular Imaging**, Brigham and Women's Hospital, Harvard Medical School
2015–2018	**Residency, Diagnostic Radiology**, University of Iowa Hospitals and Clinics
2014–2015	**Internship, Internal Medicine**, Westchester Medical Center, New York Medical College
2008–2011	**MD, Radiology**, Maulana Azad Medical College, Delhi University
2002–2006	**MBBS**, University College of Medical Sciences, Delhi University

Board certification

American Board of Radiology

Certification Board of Cardiovascular Computed Tomography (CBCCT)

Certification Board of Cardiovascular Magnetic Resonance (CBCMR)

Certification Board of Nuclear Cardiology (CBNC)

Level III, Cardiac MRI (Society for Cardiovascular Magnetic Resonance)

Fellow, Society of Cardiovascular Computed Tomography (FSCCT)

Honors and awards

2026 Most Cited Paper Award, Cardiovascular Diagnosis and Therapy

2026 Bronze Award, ARRS Annual Meeting (mentored educational exhibit on phase-contrast cardiac MRI in congenital heart disease)

2025 Gold Medal, American Roentgen Ray Society Annual Meeting (mentored presentation on post-LAA closure cardiac CT)

2024 Medical Student Teaching Award, Department of Radiology, UW–Madison

2021 Society of Cardiovascular CT Future Leaders Program (2021–2023)

2021 Red Apple Award for Medical Student Education, University of Iowa

2020 Krabbenhoft Award for Excellence in Teaching, University of Iowa Carver College of Medicine

2019 Best Teaching Faculty Award, Department of Radiology, University of Iowa

2019 Council of Early Career Investigators in Imaging, Academy for Radiology & Biomedical Imaging Research

2018 Young Investigator Award (Bronze Medal), MALT, Uppsala, Sweden

2018 Best Resident Educator Award, University of Iowa

2016 Certificate of Merit, RSNA Annual Meeting

2011 Dr. Dilip Kak Memorial Award for Best Research Thesis, Maulana Azad Medical College

Research funding

2026–2028 **NASCI Educational Grant (fellow-led cardiovascular imaging education project).** North American Society for Cardiovascular Imaging. Faculty mentor.

2021–2026 **Reducing cardiac toxicity with deep learning and MRI-guided radiation therapy.** NIH/NHLBI R01HL153720. Co-investigator.

2022–2026 **Novel computational framework for free-breathing and ungated dynamic MRI.** NIH (subaward). Site PI.

2022–2023 **Clinical feasibility and evaluation of silicon photon-counting CT.** Industry-sponsored research agreement. Co-investigator.

2022–2023 **Comprehensive assessment of aortic coarctation and its treatment.** NIH UL1TR002373. Co-investigator.

2019–2022 **SPIROMICS II: biological underpinnings of COPD heterogeneity and progression.** NIH U01HL137880. Co-investigator.

2019–2021 **Functional CT assessment of pulmonary arterial dysfunction in smoking-associated emphysema.** NIH R01HL130883. Co-investigator, clinical imaging lead.

2019–2021 **Cardiovascular and pulmonary effects of electronic cigarettes in young adults.** ICTS, University of Iowa. Co-investigator, cardiac imaging lead.

2020–2021 **Cardiac MRI feature-tracking strain in patients with lung disease.** Carver College of Medicine. PI.

2019–2021 **Novel computational framework for free-breathing and ungated dynamic MRI.** NIH R01EB019961. Co-investigator.

2018–2019 **Free-breathing self-gated 3D cardiac MRI with manifold reconstruction.** RSNA Research Seed Grant. PI.

Registry and guideline roles

Co-author, 2020 SCCT Guideline for Training Cardiology and Radiology Trainees as Independent (Level II) and Advanced (Level III) Practitioners in Cardiovascular CT

Co-author, SCCT expert consensus on cardiovascular CT in occupational health assessment (2021)

Writing group, SCCT guideline update on CCTA performance and acquisition (in progress)

Site co-PI, CONFIRM2 registry (AI-quantitative coronary CTA)

Site co-PI, DECIDE registry (CT-FFR and plaque analysis)

Editorial roles

current	Associate Editor, Journal of Cardiovascular Computed Tomography (JCCT)
current	Host, JCCT Pulse podcast
2023–2024	Guest Editor, Radiologic Clinics of North America (Advances in Cardiovascular Imaging)
2022–2023	Guest Editor, MRI Clinics of North America (MR Angiography)
2021–2026	Associate Editor, Journal of Computer Assisted Tomography
2020–2026	Associate Editor, European Heart Journal – Case Reports
2020–2021	Associate Editor, SCCT Cardiovascular CT Board Preparation Book, 4th edition

Peer review: About 180 manuscript reviews for more than 25 journals since 2014, counted from journal confirmation emails. Journals: Radiology, Radiology: Cardiothoracic Imaging, RadioGraphics, Journal of Cardiovascular Computed Tomography, Circulation: Cardiovascular Imaging, JACC: Case Reports, NEJM AI, International Journal of Cardiovascular Imaging, Journal of Thoracic Imaging, Journal of Computer Assisted Tomography, European Heart Journal – Case Reports, BMJ Case Reports, Insights into Imaging, Cardiovascular and Interventional Radiology, Heart & Lung, Medicine, Cardiovascular Diagnosis and Therapy, Journal of Imaging, PLOS ONE, Postgraduate Medical Journal, Journal of Magnetic Resonance Imaging, Acta Radiologica, Current Problems in Diagnostic Radiology, Indian Journal of Radiology and Imaging, Surgical and Radiologic Anatomy.

2017–present	Abstract reviewer, SCCT Annual Scientific Meeting
2024–2026	Judge, RSNA Science Poster Awards
2025–present	Reviewer, NASCI teaching files
2022	Grant reviewer, UW Institute for Clinical and Translational Research pilot awards

Professional society service

2025–present	Co-Chair, SCCT Cardiac CT Board Review course
2021–present	Member, ACR Appropriateness Criteria Vascular Imaging Panel (American College of Radiology)
2024–present	Education Committee, Society of Cardiovascular Computed Tomography
2024–present	Education Committee, North American Society for Cardiovascular Imaging
2020–present	Level II Cardiovascular CT Case Files subcommittee, SCCT
2019–2023	Online Education Taskforce, SCCT
2017–2019	Secretary, Fellow and Resident Leaders of SCCT (FiRST)

Member: RSNA, NASCI, SCCT, ASNC, IACI, American Heart Association, American College of Radiology

Peer-reviewed publications (127)

Co-author names are omitted from this public version. Each entry gives my role; full author lists are on PubMed.

1. Whole heart atherosclerosis volume and risk for major adverse cardiovascular events across the clinical likelihood for obstructive CAD; the CONFIRM2 study. *Am J Prev Cardiol*. 2026. [Co-author] PMID 42893061.

2. A modality-agnostic coronary artery habitat model for cardiac sparing in radiotherapy. *Med Phys*. 2026. [Co-author] PMID 42482440.

3. ACR Appropriateness Criteria® Suspected and Known Renal or Splanchnic Artery Aneurysm. *J Am Coll Radiol*. 2026. [Co-author] PMID 41860517.

4. AI-Driven Quantitative Coronary CT Angiography in Suspected Coronary Artery Disease: Multicenter CONFIRM2 Registry. *JACC Adv*. 2026. [Co-author] PMID 41906604.

5. Ability of Deep Learning Image Reconstruction to Preserve Detail and Remove Noise in Coronary Computed Tomography Angiography: A Clinical Analysis. *J Comput Assist Tomogr*. 2026. [Co-author] PMID 41973049.

6. Commentary: Extending Opportunistic Aortic Calcium Scoring Beyond Noncontrast CT. *J Comput Assist Tomogr*. 2026. [First author] PMID 42439872.

7. Deducing cardiorespiratory motion of cardiac substructures using a novel 5D-MRI workflow for radiotherapy. *Phys Med Biol*. 2026. [Co-author] PMID 41880763.

8. Deep Learning-Based Cardiac MRI Planning from Localizers to Cine Views Using Landmark Detection. *Acad Radiol*. 2026. [Co-author] PMID 41353071.

9. Dynamic peri-device leak assessment of left atrial appendage occlusion device using super-resolution CT imaging. *Int J Cardiovasc Imaging*. 2026. [First author] PMID 41718819.

10. ECG-Gated Metal Artifact Reduction Rescues Post-Coil Embolization Cardiac CT After Watchman Device Failure. *J Cardiovasc Comput Tomogr*. 2026. [First author] PMID 42601303.

11. Editorial for "A Deep Learning-Based Fully Automated Cardiac MRI Segmentation Approach for Tetralogy of Fallot Patients". *J Magn Reson Imaging*. 2026. [Senior author] PMID 40928233.

12. Image Quality Assessment of Deep Learning-Based Virtual Monoenergetic Images From Single-Energy CT Pulmonary Angiography. *J Comput Assist Tomogr*. 2026. [Co-author] PMID 41384946.

13. Immersive Three-Dimensional Visualization as a Routine Tool for Complex Congenital Cardiac Surgical Planning: A Perspective. *Pediatr Cardiol*. 2026. [Senior author] PMID 42340449.

14. Impact of computed tomography-derived fractional flow reserve on long-term outcomes in patients with stable coronary artery disease: A systematic review and meta-analysis. *J Cardiovasc Comput Tomogr*. 2026. [Co-author] PMID 42963303.

15. Invited Commentary: Advancing Coronary Artery Calcium Scoring With Motion Correction Algorithm. *J Comput Assist Tomogr*. 2026. [First author] PMID 41065556.

16. Invited Commentary: Navigating the Vascular Imaging Challenges in Athletes. *Radiographics*. 2026. [First author] PMID 42560827.

17. Modality-AGnostic image Cascade (MAGIC) for multi-modality cardiac substructure segmentation. *Radiother Oncol*. 2026. [Co-author] PMID 41271169.

18. Multimodal Framework of Left Heart-Pulmonary Vascular Remodeling Underlying Right Ventricular Failure in PH-HFpEF. *Circ Heart Fail*. 2026. [Co-author] PMID 42634934.

19. Prognostic Value of AI-Based Quantitative Coronary CTA vs Human Reader-Based Visual Assessment: Results From the CONFIRM2 Registry. *JACC Cardiovasc Imaging*. 2026. [Co-author] PMID 41324522.

20. Rethinking the "D-" and " L-" prefix paradigm for transposition. *Radiol Case Rep*. 2026. [Co-author] PMID 42305362.

21. Updates in cardiovascular CT imaging in 2025: A year in review. *J Cardiovasc Comput Tomogr*. 2026. [First author] PMID 42966716.

22. AI-Quantitative CT Coronary Plaque Features Associate With a Higher Relative Risk in Women: CONFIRM2 Registry. *Circ Cardiovasc Imaging*. 2025. [Co-author] PMID 40162910.

23. Addressing Inter-reconstruction variability in multi-energy myocardial CT Radiomics: The Benefits of combat harmonization. *Eur J Radiol*. 2025. [Co-author] PMID 39708706.

24. Associations of pulmonary microvascular blood volume with per cent emphysema and CT emphysema subtypes in the community: the MESA Lung study. *Thorax*. 2025. [Co-author] PMID 39496494.

25. Automated CT-based decoupling of the effects of airway narrowing and wall thinning on airway counts in chronic obstructive pulmonary disease. *Br J Radiol*. 2025. [Co-author] PMID 39447037.

26. Clinical use of cardiovascular magnetic resonance-defined synthetic extracellular volume fraction. *J Cardiovasc Magn Reson*. 2025. [Senior author] PMID 40216074.

27. Combining photon-counting coronary CT and artificial intelligence to detect coronary artery stenosis. *Diagn Interv Imaging*. 2025. [Senior author] PMID 39638662.

28. Gadopiclenol Enables Reduced Gadolinium Dose While Maintaining Quality of Pulmonary Arterial Enhancement for Pulmonary MRA: An Opportunity for Improved Safety and Sustainability. *Invest Radiol*. 2025. [Co-author] PMID 39847728.

29. Key advances in cardiac computed tomography: A review of the most relevant studies published in 2024 on coronary and structural heart disease. *J Cardiovasc Comput Tomogr*. 2025. [Co-author] PMID 40300917.

30. MR Angiography for Aortic Diseases. *Cardiol Clin*. 2025. [Senior author] PMID 40268353.

31. Multimodal Characterization of High-risk PH-HFpEF phenogroup with Right Ventricular Dysfunction: Vascular Mechanics and Myocardial Transcriptomics. *medRxiv*. 2025. [Co-author] PMID 40463546.

32. Optimizing contrast administration in pediatric cardiovascular CT: Safety and technique. *J Cardiovasc Comput Tomogr*. 2025. [Senior author] PMID 41047294.

33. Parachute-Like Mitral Valve and Associated Congenital Abnormalities Diagnosed With Multimodality Imaging. *CASE (Phila)*. 2025. [Co-author] PMID 40027904.

34. "From Vision to Reality: Virtual Reality's Impact on Baffle Planning in Congenital Heart Disease". *Pediatr Cardiol*. 2024. [Co-author] PMID 37932525.

35. ACR Appropriateness Criteria® Nonvariceal Upper Gastrointestinal Bleeding: 2024 Update. *J Am Coll Radiol*. 2024. [Co-author] PMID 39488353.

36. ACR Appropriateness Criteria® Pulmonary Arteriovenous Malformation (PAVM): 2023 Update. *J Am Coll Radiol*. 2024. [Co-author] PMID 38823949.

37. ACR Appropriateness Criteria® Screening for Abdominal Aortic Aneurysm. *J Am Coll Radiol*. 2024. [Co-author] PMID 38823950.

38. Advances in Cardiovascular Imaging. *Radiol Clin North Am*. 2024. [First author] PMID 38553186.

39. Association of Ground-Glass Opacities with Systemic Inflammation and Progression of Emphysema. *Am J Respir Crit Care Med*. 2024. [Co-author] PMID 38843116.

40. Computed Tomography Angiography for Aortic Diseases. *Radiol Clin North Am*. 2024. [Senior author] PMID 38553183.

41. Development and first implementation of a novel multi-modality cardiac motion and dosimetry phantom for radiotherapy applications. *Med Phys*. 2024. [Co-author] PMID 39042362.

42. Myocardial deformation in multisystem inflammatory syndrome in children: layer-specific cardiac MRI insights from a pediatric cohort. *Pediatr Radiol*. 2024. [Co-author] PMID 39503859.

43. Optimizing Deep Learning for Cardiac MRI Segmentation: The Impact of Automated Slice Range Classification. *Acad Radiol*. 2024. [Co-author] PMID 37541826.

44. Role of Radiology in Assessment of Postoperative Complications of Heart Transplantation. *Radiol Clin North Am*. 2024. [Co-author] PMID 38553180.

45. Ruptured left sinus of Valsalva aneurysm into the left atrium in a dog. *J Vet Cardiol*. 2024. [Senior author] PMID 39276713.

46. Spatial Resolution Fidelity Comparison Between Energy Integrating and Deep Silicon Photon Counting CT: Implications for Pulmonary Imaging. *J Thorac Imaging*. 2024. [Co-author] PMID 38712920.

47. Utilizing Artificial Intelligence-Based Deformable Registration for Global and Layer-Specific Cardiac MRI Strain Analysis in Healthy Children and Young Adults. *Acad Radiol*. 2024. [Co-author] PMID 38177034.

48. Vessel and Airway Characteristics in One-Year Computed Tomography-defined Rapid Emphysema Progression: SPIROMICS. *Ann Am Thorac Soc*. 2024. [Co-author] PMID 38530051.

49. ComBat Harmonization of Myocardial Radiomic Features Sensitive to Cardiac MRI Acquisition Parameters. *Radiol Cardiothorac Imaging*. 2023. [Co-author] PMID 37693205.

50. Contemporary cardiovascular computed tomography (CCT) training: Serial surveys of the international CCT community by the Fellow and Resident Leaders of the Society of Cardiovascular Computed Tomography (SCCT) Committee (FiRST) and SCCT Future Leaders Program (FLP). *J Cardiovasc Comput Tomogr*. 2023. [Co-author] PMID 37015851.

51. Duplicated Internal Jugular and Innominate Vein: Unreported Association. *Radiol Cardiothorac Imaging*. 2023. [Co-author] PMID 37404796.

52. Imaging-based assessment of lung function in a population cooking indoors with biomass fuel: a pilot study. *J Appl Physiol (1985)*. 2023. [Co-author] PMID 36759166.

53. Incidental Coronary Artery Calcium on Chest CT in Persons Without Known Atherosclerotic Cardiovascular Disease. *JAMA Intern Med*. 2023. [Co-author] PMID 37747719.

54. Joint Cardiac T1 Mapping and Cardiac Cine Using Manifold Modeling. *Bioengineering (Basel)*. 2023. [Co-author] PMID 36978736.

55. MR Angiography: Contrast-Enhanced Acquisition Techniques. *Magn Reson Imaging Clin N Am*. 2023. [First author] PMID 37414474.

56. MR Angiography: Current State and Future Directions. *Magn Reson Imaging Clin N Am*. 2023. [First author] PMID 37414476.

57. MRA as the Preferred Test for Pulmonary Embolism During the Iodinated Contrast Media Shortage of 2022: A Single-Center Experience. *AJR Am J Roentgenol*. 2023. [Co-author] PMID 37341181.

58. Predicting severe chronic obstructive pulmonary disease exacerbations using quantitative CT: a retrospective model development and external validation study. *Lancet Digit Health*. 2023. [Co-author] PMID 36707189.

59. The journal of cardiovascular computed tomography: A year in review: 2022. *J Cardiovasc Comput Tomogr*. 2023. [Co-author] PMID 36934047.

60. ACR Appropriateness Criteria® Imaging of Deep Inferior Epigastric Arteries for Surgical Planning (Breast Reconstruction Surgery): 2022 Update. *J Am Coll Radiol*. 2022. [Co-author] PMID 36436962.

61. ACR Appropriateness Criteria® Lower Extremity Arterial Claudication-Imaging Assessment for Revascularization: 2022 Update. *J Am Coll Radiol*. 2022. [Co-author] PMID 36436963.

62. Cardiac CT for Acute Chest Pain. *Radiology*. 2022. [First author] PMID 34874205.

63. Dynamic Imaging Using Deep Bi-Linear Unsupervised Representation (DEBLUR). *IEEE Trans Med Imaging*. 2022. [Co-author] PMID 35436187.

64. E-cigarette or vaping product use-associated lung injury: A review of clinico-radio-pathological characteristics. *Respir Investig*. 2022. [Senior author] PMID 35963780.

65. Left ventricular assist device pseudo-thrombosis due to use of metal artifact reduction algorithm on cardiac CT. *J Cardiovasc Comput Tomogr*. 2022. [First author] PMID 34483066.

66. Prevalence and significance of incidental findings on computed tomography pulmonary angiograms: A retrospective cohort study. *Am J Emerg Med*. 2022. [Senior author] PMID 35182917.

67. Pulmonary Blood Volume Among Older Adults in the Community: The MESA Lung Study. *Circ Cardiovasc Imaging*. 2022. [Co-author] PMID 35938411.

68. Quantitative Chest CT Assessment of Small Airways Disease in Post-Acute SARS-CoV-2 Infection. *Radiology*. 2022. [Co-author] PMID 35289657.

69. The Journal of cardiovascular computed tomography: A year in review 2021. *J Cardiovasc Comput Tomogr*. 2022. [Co-author] PMID 35370125.

70. Variational Manifold Learning From Incomplete Data: Application to Multislice Dynamic MRI. *IEEE Trans Med Imaging*. 2022. [Co-author] PMID 35816534.

71. "Multimodality imaging of the extrapleural space lesions". *Clin Imaging*. 2021. [Co-author] PMID 33892397.

72. 2020 SCCT Guideline for Training Cardiology and Radiology Trainees as Independent Practitioners (Level II) and Advanced Practitioners (Level III) in Cardiovascular Computed Tomography: A Statement from the

Society of Cardiovascular Computed Tomography. *Radiol Cardiothorac Imaging*. 2021. [Co-author] PMID 33778658.

73. Anomalous Left Anterior Descending Coronary Artery With Retroaortic Left Circumflex Artery: A Novel Coronary Pattern. *JACC Case Rep*. 2021. [Co-author] PMID 34317579.

74. Case Studies in Physiology: Temporal variations of the lung parenchyma and vasculature in asymptomatic COVID-19 pneumonia: a multispectral CT assessment. *J Appl Physiol (1985)*. 2021. [First author] PMID 34166081.

75. Current Endovascular Treatment Options in Acute Pulmonary Embolism. *J Clin Imaging Sci*. 2021. [Co-author] PMID 33598362.

76. DEEP GENERATIVE STORM MODEL FOR DYNAMIC IMAGING. *Proc IEEE Int Symp Biomed Imaging*. 2021. [Co-author] PMID 34336134.

77. DYNAMIC IMAGING USING DEEP BILINEAR UNSUPERVISED LEARNING (DEBLUR). *Proc IEEE Int Symp Biomed Imaging*. 2021. [Co-author] PMID 34691363.

78. Dynamic Imaging Using a Deep Generative SToRM (Gen-SToRM) Model. *IEEE Trans Med Imaging*. 2021. [Co-author] PMID 33720831.

79. Imaging primer for CT angiography in peripheral vascular trauma. *Emerg Radiol*. 2021. [Co-author] PMID 32725603.

80. Quantitative CT imaging and advanced visualization methods: potential application in novel coronavirus disease 2019 (COVID-19) pneumonia. *BJR Open*. 2021. [First author] PMID 33718766.

81. Radiomics Detection of Pulmonary Hypertension via Texture-Based Assessments of Cardiac MRI: A Machine-Learning Model Comparison-Cardiac MRI Radiomics in Pulmonary Hypertension. *J Clin Med*. 2021. [Senior author] PMID 33925262.

82. Radiomics side experiments and DAFIT approach in identifying pulmonary hypertension using Cardiac MRI derived radiomics based machine learning models. *Sci Rep*. 2021. [Senior author] PMID 34135418.

83. Review of multi-modality imaging update and diagnostic work up of Takotsubo cardiomyopathy. *Clin Imaging*. 2021. [Co-author] PMID 34500146.

84. The role of cardiovascular CT in occupational health assessment for coronary heart disease: An expert consensus document from the Society of Cardiovascular Computed Tomography (SCCT). *J Cardiovasc Comput Tomogr*. 2021. [Co-author] PMID 33926854.

85. Virtual modeling and interactive virtual reality display of unusual high-riding cervical aortic arch. *Ann Pediatr Cardiol*. 2021. [Senior author] PMID 33679078.

86. Atretic Double Aortic Arch: Imaging Appearance of a Rare Anomaly and Differentiation From Its Mimics. *Cureus*. 2020. [Senior author] PMID 32884866.

87. DYNAMIC MRI USING DEEP MANIFOLD SELF-LEARNING. *Proc IEEE Int Symp Biomed Imaging*. 2020. [Co-author] PMID 33603956.

88. Evaluation of Transcatheter Pulmonary Valve Endocarditis by Dual-Energy Computed Tomography. *Cureus*. 2020. [Co-author] PMID 32754392.

89. Factors Affecting Radiation Dose in Computed Tomography Angiograms for Pulmonary Embolism: A Retrospective Cohort Study. *J Clin Imaging Sci*. 2020. [First author] PMID 33274118.

90. Four-dimensional virtual reality cine cardiac models using free open-source software. *Pediatr Radiol*. 2020. [Senior author] PMID 32681236.

91. Free-Breathing and Ungated Dynamic MRI Using Navigator-Less Spiral SToRM. *IEEE Trans Med Imaging*. 2020. [Co-author] PMID 32746136.

92. Imaging in Pulsatile Tinnitus: Case Based Review. *J Clin Imaging Sci*. 2020. [Co-author] PMID 33408959.

93. Imaging of COVID-19 pneumonia: Patterns, pathogenesis, and advances. *Br J Radiol*. 2020. [First author] PMID 32758014.

94. Imaging of the aortic root on high-pitch non-gated and ECG-gated CT: awareness is the key!. *Insights Imaging*. 2020. [First author] PMID 32198657.

95. Letter regarding "Over-Testing for Suspected Pulmonary Embolism in American Emergency Departments: The Continuing Epidemic". *Circ Cardiovasc Qual Outcomes*. 2020. [Senior author] PMID 32233652.

96. Pulmonary embolism rule out: positivity and factors affecting the yield of CT angiography. *Postgrad Med J*. 2020. [Senior author] PMID 31907225.

97. CT and MR imaging of the upper extremity vasculature: pearls, pitfalls, and challenges. *Cardiovasc Diagn Ther*. 2019. [Senior author] PMID 31559161.

98. Collaborations Between Cardiology and Radiology on the Development of Clinical Programs (Cardiac Imaging). *J Am Heart Assoc*. 2019. [First author] PMID 31818218.

99. Differentiation of non-small cell lung cancer and histoplasmosis pulmonary nodules: insights from radiomics model performance compared with clinician observers. *Transl Lung Cancer Res*. 2019. [Co-author] PMID 32010576.

100. Imaging Spectrum of Double-Outlet Right Ventricle on Multislice Computed Tomography. *J Thorac Imaging*. 2019. [Co-author] PMID 30801451.

101. Magnetic Resonance Imaging of Contracting Ultrathin Cardiac Tissue. *Biomed Phys Eng Express*. 2019. [Co-author] PMID 32733693.

102. Mesenteric ischemia: what the radiologist needs to know. *Cardiovasc Diagn Ther*. 2019. [Co-author] PMID 31559155.

103. Post Transcatheter Mitral Valve-In-Valve Repair Cardiac Pseudoaneurysm. *Radiology*. 2019. [First author] PMID 31478803.

104. Preoperative cross-sectional mapping for deep inferior epigastric and profunda artery perforator flaps. *Cardiovasc Diagn Ther*. 2019. [Co-author] PMID 31559159.

105. Pulmonary embolism imaging: when is it too much?. *Postgrad Med J*. 2019. [First author] PMID 30787197.

106. Vascular magnetic resonance angiography techniques. *Cardiovasc Diagn Ther*. 2019. [Co-author] PMID 31559152.

107. Cerebrovascular Manifestations of Neurosarcoidosis: An Underrecognized Aspect of the Imaging Spectrum. *AJNR Am J Neuroradiol*. 2018. [Co-author] PMID 29284603.

108. Congenital anomalies of the aortic arch. *Cardiovasc Diagn Ther*. 2018. [Co-author] PMID 29850417.

109. Reply. *AJNR Am J Neuroradiol*. 2018. [First author] PMID 30093481.

110. Use of Statins for Primary Prevention: Selection of Risk Threshold and Implications Across Race and Gender. *Am J Med*. 2018. [Co-author] PMID 29928863.

111. Advances in Imaging and Management Trends of Traumatic Aortic Injuries. *Cardiovasc Intervent Radiol*. 2017. [First author] PMID 28078377.

112. Blunt Cerebrovascular Injuries: Advances in Screening, Imaging, and Management Trends. *AJNR Am J Neuroradiol*. 2017. [First author] PMID 29025722.

113. Comparison of Echocardiography, Cardiac Magnetic Resonance, and Computed Tomographic Imaging for the Evaluation of Left Ventricular Myocardial Function: Part 1 (Global Assessment). *Curr Cardiol Rep*. 2017. [Co-author] PMID 28176279.

114. MDCT imaging of the stomach: advances and applications. *Br J Radiol*. 2017. [First author] PMID 27785936.

115. Upper Extremity Runoff: Pearls and Pitfalls in Computed Tomography Angiography and Magnetic Resonance Angiography. *Curr Probl Diagn Radiol*. 2017. [First author] PMID 26949062.

116. Abdominal Skin Rash After TACE Due to Non-Target Embolization of Hepatic Falciform Artery. *ACG Case Rep J*. 2016. [First author] PMID 27144210.

117. Bilateral Traumatic Basal Ganglia Hemorrhage Associated with Diffuse Axonal Injury: A Report on Two New Cases and Review of Existing Literature. *Indian J Neurotrauma*. 2016. [Co-author]

118. Giant idiopathic renal arteriovenous fistula managed by coils and amplatzer device: Case report and literature review. *World J Clin Cases*. 2016. [First author] PMID 27900325.

119. Utility of multimodality imaging in diagnosis and follow-up of aortitis. *J Nucl Cardiol*. 2016. [Co-author] PMID 26187420.

120. Early post-operative weight loss after laparoscopic sleeve gastrectomy correlates with the volume of the excised stomach and not with that of the sleeve! Preliminary data from a multi-detector computed tomography-based study. *Surg Endosc*. 2015. [Co-author] PMID 25539691.

121. Gastrointestinal Bleeding Secondary to Calciphylaxis. *Am J Case Rep*. 2015. [Co-author] PMID 26572938.

122. Insidious: Takayasu Arteritis. *Am J Med*. 2015. [Co-author] PMID 26210640.

123. Modern imaging techniques: applications in the management of acute aortic pathologies. *Postgrad Med J*. 2015. [First author] PMID 26251355.

124. Symptomatic Coronary Cameral Fistula. *Heart Views*. 2015. [First author] PMID 26240737.

125. Traumatic right atrial pseudoaneurysm. *Cardiovasc Diagn Ther*. 2015. [First author] PMID 25984454.

126. Vascular manifestations and post-treatment changes of epidermal nevus syndrome. *QJM*. 2015. [Co-author] PMID 24757097.

127. Eosinophilic ascites. A rare presentation of eosinophilic gastroenteritis. *J Assoc Physicians India*. 2012. [Co-author] PMID 23405544.

Books (editor)

2024. **Advances and Innovations in Cardiovascular Imaging**. Radiologic Clinics of North America. Guest editor.

2023. **MR Angiography: From Head to Toe**. Magnetic Resonance Imaging Clinics of North America. Guest editor.

2021. **SCCT Cardiovascular CT Board Preparation Book, 4th edition**. Society of Cardiovascular Computed Tomography. Associate editor.

Book chapters

2022. Cerebrovascular complications of brain tumors. In: *Handbook of Neuro-Oncology Neuroimaging, 2nd ed. (Academic Press)*.

2022. Pulmonary infections. In: *Sutton's Textbook of Radiology, 8th ed. (Elsevier)*.

2022. Imaging of the diseases of the airway: collapse and consolidation. In: *Sutton's Textbook of Radiology, 8th ed. (Elsevier)*.

2019. Imaging anatomy of the heart and thoracic great vessels. In: *Problem Solving in Chest Imaging (Elsevier)*.

2016. Cerebrovascular complications of brain tumors. In: *Handbook of Neuro-Oncology Neuroimaging (Academic Press)*.

2015. It's not just the tumor: CNS paraneoplastic syndromes and cerebrovascular complications of cancers. In: *Brain Tumor Imaging (Thieme)*.

Invited lectures, courses and sessions

2027 Gilles Lecturer, Department of Radiology. University of Iowa Carver College of Medicine, Iowa City, IA.

2027 Keynote, photon-counting CT in cardiac imaging; co-moderator, cardiac imaging scientific session. American Roentgen Ray Society (ARRS) Annual Meeting.

2027 Faculty, photon-counting CT case review sessions. CT Protocol Optimization Workshop (CT-POW), UW–Madison, Madison, WI.

2027 Faculty, Hybrid Imaging Virtual Workshop. American Society of Nuclear Cardiology, Virtual.

2027 Program Director, Virtual CTA Academy. Society of Cardiovascular Computed Tomography, Virtual.

2027 Vision for the next decade: new frontiers in cardiac CT (international faculty). Indian Radiological and Imaging Association (IRIA) 79th Annual Conference, New Delhi, India.

2026 Unlocking the future of CT: innovations transforming clinical practice (lunch-and-learn lecture). RSNA Annual Meeting, Chicago, IL.

2026 Inflammatory cardiomyopathies and their mimics: a systematic imaging approach. North American Society for Cardiovascular Imaging (NASCI) Annual Meeting, Denver, CO.

2026 Mastering cardiac CT: essential fundamentals and emerging clinical frontiers. Online CME lecture series, Virtual.

2026 Clinical advantages of photon-counting CT. CT Protocol Optimization Workshop (CT-POW), UW–Madison, Madison, WI.

2026 Scan acquisition and protocols; course co-chair. SCCT Comprehensive Board Review and Update of Cardiovascular CT, Virtual.

2026 Atrial septal defects in the adult patient: the role of cardiac CT. SCCT Annual Scientific Meeting, San Diego, CA.

2026 The future of cardiovascular imaging with photon-counting CT (symposium lecture); poster session moderator. SCCT Annual Scientific Meeting, San Diego, CA.

2026 Multi-section applications of photon-counting CT. Spanish Society of Medical Radiology (SERAM) Congress, Valencia, Spain.

2026 Clinical experience with photon-counting CT (peer-to-peer session). Hospital Universitario QuirónSalud, Madrid, Spain.

2026 Optimizing contrast in cardiovascular CT: safety, strategy and techniques. SCCT webinar, Virtual.

2026 Cardiac CT: a journey from origin to 2026. Online CME lecture series, Virtual.

2026 A photon's tale: multi-section photon-counting CT imaging. World Health Expo (WHX), Dubai, UAE.

2026 Program Director, Virtual CTA Academy: Cardiac CT for the Practitioner. Society of Cardiovascular Computed Tomography, Virtual.

2026 Faculty, incidental findings on hybrid imaging. ASNC Hybrid Imaging Virtual Workshop, Virtual.

2025 Photon-counting cardiac CT (CT innovation evening). RSNA Annual Meeting, Chicago, IL.

2025 Imaging in atrial septal defect closure. NASCI Annual Meeting, congenital session, Minneapolis, MN.

2025 Advances in cardiac CT (CME webinar). Applied Radiology, Virtual.

2025 Artificial intelligence innovations in cardiac CT. SCCT Annual Scientific Meeting, Montreal, Canada.

2025 Faculty, Level 1 cardiac CT certification course. Indian Association of Cardiac Imaging (IACI) and SCCT, Virtual.

2025 Co-chair, Cardiac CT Board Review course. Society of Cardiovascular Computed Tomography, Virtual.

2025 Program Director, Virtual CTA Academy. Society of Cardiovascular Computed Tomography, Virtual.

2024 CT in TAVR. SCCT in India (with IACI), Virtual.

2024 Imaging of ASD closure devices. Indian Association of Cardiac Imaging (IACI) Annual Conference, Ahmedabad, India.

2024 CT perfusion and CT-FFR. Indian Association of Cardiac Imaging (IACI) Annual Conference, Ahmedabad, India.

2024 Updates in pulmonary hypertension imaging. Indian Association of Cardiac Imaging (IACI) Annual Conference, Ahmedabad, India.

2024 Early career in cardiovascular imaging: from job offers to leadership in practice. NASCI Annual Meeting, career development session, Boston, MA.

2024 Faculty, Hybrid Imaging Virtual Workshop. American Society of Nuclear Cardiology, Virtual.

2024 Program Director, Virtual CTA Academy: Cardiac CT for the Practitioner. Society of Cardiovascular Computed Tomography, Virtual.

2024 Acute aortic emergencies. Indian Radiological and Imaging Association, Delhi chapter, Virtual.

2023 How to start and build a contemporary cardiac CT program. SCCT Annual Scientific Meeting, Boston, MA.

2023 Read with the Experts; session chair. SCCT Annual Scientific Meeting, Boston, MA.

2023 Incidental findings on hybrid imaging. ASNC Hybrid Imaging Virtual Workshop, Virtual.

2023 Program Director, Cardiac CT for the Practitioner: a comprehensive foundation course. Society of Cardiovascular Computed Tomography (Virtual CTA Academy), Virtual.

2022 Session chair, Vascular Imaging: Aorta to aZygous; aortic imaging panel. SCCT Annual Scientific Meeting, Las Vegas, NV.

2022 Program Director, Virtual CTA Academy: From Coronaries to TAVR. Virtual CTA Academy, Virtual.

2022 Cardiac CT for acute chest pain (invited podcast). Radiology journal podcast.

2022 Cardiac CT: a multi-utility tool and insights into the future. Cardiovascular Medicine Grand Rounds, UW–Madison, Madison, WI.

2021 Acute aortic syndromes. Indian Radiological and Imaging Association, Virtual.

2021 Preprocedural imaging strategies for complex congenital heart disease. Congenital Cardiology Grand Rounds, UW–Madison, Madison, WI.

2021 Role of cardiac CT in interventional planning and chest pain. Cardiology Grand Rounds, University of Iowa, Iowa City, IA.

2019 Cardiac CT: journey from calcium score to CT-FFR. Midwest Cardiovascular Research Foundation, Genesis Heart Institute, Davenport, IA.

2019 Social media: a prism for cardiac CT and medicine. SCCT Annual Scientific Meeting, Baltimore, MD.

2019 Cardiac CT Jeopardy (silver medal team). SCCT Annual Scientific Meeting, Baltimore, MD.

2018 Radiation dose in cardiac imaging. ASNC course for ACC fellows-in-training, ACC Annual Meeting, Orlando, FL.

2018 Read with the Experts. SCCT Annual Scientific Meeting, Grapevine, TX.

2018 Cardiac CT Jeopardy (gold medal team). SCCT Annual Scientific Meeting, Grapevine, TX.

2018 MR imaging of mechanical activity in ultra-thin layers of cardiac tissue (Young Investigator Award). iMaging And eLectrical Technologies (MALT), Uppsala, Sweden.

Conference presentations and abstracts (92)

2026 Making Every Image Count: An Opportunistic Screening Framework for Cardiovascular Risk Assessment in Cancer Care (late-breaking oral). RSNA Annual Meeting 2026.

2026 Right Scan, Wrong Answer: Measurement Site Pitfalls in Cardiac MRI for Congenital Heart Disease (education exhibit). RSNA Annual Meeting 2026.

2026 Beyond Stenosis: CT Plaque Evaluation and Quantification for Precision Coronary Risk Assessment (education exhibit). RSNA Annual Meeting 2026.

2026 Lower Extremity Contrast-Enhanced MR Venography: Technique, Workflow, Pearls and Pitfalls (education exhibit). RSNA Annual Meeting 2026.

2026 Image Quality Assessment of a Novel Silicon Photon-Counting Detector CT for Cardiac Imaging: Evaluation of Spectral Reconstructions and Motion Correction. Society of Cardiovascular CT (SCCT) ASM 2026.

2026 Branching Out: A Deep Learning Framework for Precise Coronary Artery Delineation in Radiation Therapy (oral). ASTRO Annual Meeting 2026.

2026 Flow Without Fear: Confident Phase-Contrast Cardiac MRI Interpretation in Congenital Heart Disease (Bronze Award). American Roentgen Ray Society (ARRS) Annual Meeting 2026.

2026 Super-resolution Deep Learning Reconstruction Improves Cardiac CT Image Quality and Diagnostic Confidence Versus Standard Deep Learning Reconstruction. Society of Cardiovascular CT (SCCT) ASM 2026.

2026 An Opportunistic Screening Framework for Coronary Artery Calcium Assessment on Radiotherapy Datasets. Joint AAPM | COMP Meeting 2026, Vancouver.

2026 Cardiovascular Effects of Vaping in Young Adults: Evidence of Early Changes in Pulmonary Circulation Using Advanced Quantitative MRI Techniques. American Thoracic Society (ATS) International Conference 2026.

2026 Diagnostic Pivot: A Listeria monocytogenes Myocardial Abscess Mimicking an Intracardiac Metastatic Lesion in a Patient With Newly Diagnosed Lymphoma. American College of Cardiology (ACC.26) Annual Scientific Session.

2026 Congenital Vascular Abdominal Imaging (educational workshop). Society of Abdominal Radiology (SAR) Annual Meeting 2026.

2026 Image Quality Assessment of a Novel Deep Silicon Photon-Counting CT System for Coronary CT Angiography: A Prospective Evaluation. European Congress of Radiology (ECR) 2026, Vienna.

2025 Post LAA Closure Device Placement Cardiac CT Imaging: Technique and Pearls. American Roentgen Ray Society (ARRS) Annual Conference.

2025 Accelerated deep-learning reconstructed cine balanced steady-state free precession cine imaging: Potential for workflow improvement. Society of Cardiovascular MR.

2025 Decoupling Cardiorespiratory Motion of Cardiac Substructures Via 5D-MRI for Radiotherapy. AAPM 67th Annual Meeting & Exhibition 2025 Jul 30.

2025 Patient-Specific Coronary Artery Habitat Model for Enhanced Cardiac Sparing. AAPM 67th Annual Meeting & Exhibition 2025 Jul 27.

2025 MRI-assessed Alterations in Cardiovascular Dynamics With Electronic Nicotine Delivery System Use in Young Adults. American Thoracic Society's (ATS) 2025 International Conference.

2025 Microbolus Injection Technique: Redefining Opacification in Pediatric Cardiac Imaging. Society of Pediatric Radiology Annual Meeting.

2025 Imaging the Invisible: Unveiling Pediatric Polyarteritis Nodosa Through CT and MRI. Society of Pediatric Radiology Annual Meeting.

2025 Pilot Investigation of Accelerated Cine Imaging Using Deep Learning for Pediatric Cardiac MRI: Towards Faster, High-Quality Imaging. Society of Pediatric Radiology Annual Meeting.

2025 A Window Into the Chest: CT and 3D Modeling in Ectopia Cordis Surgery Planning. Society of Pediatric Radiology Annual Meeting.

2025 Comparison of Two Novel Deep-learning Image Reconstructions for Image Quality and Diagnostic Confidence on Cardiac CT: A Single-center Retrospective Study. Society of Cardiovascular CT (SCCT) ASM.

2025 Imaging of post-watchman imaging. Society of Cardiovascular CT (SCCT) ASM.

2025 High-Resolution Deep Learning CT Reconstruction for Watchman Device Assessment in a Cardiac Phantom. RSNA Annual Meeting 2025.

2025 A Novel Coronary Artery Habitat and Calcium Detection Model for Cardiac Sparing in Radiotherapy (oral). ASTRO Annual Meeting 2025.

2025 Evaluation of In-Line Automated Deep Learning-Based Slice Prescription for Cardiac MRI (oral). RSNA Annual Meeting 2025.

2025 Comparison of Non-calcified to Calcified Plaque Ratio Versus Noncalcified Plaque Burden to Predict Adverse Cardiovascular Outcomes in the CONFIRM2 Registry. American Heart Association (AHA) Scientific Sessions 2025.

2025 Risk Stratification by AI-Guided CT Coronary Atherosclerosis Quantification Alongside the Clinical Likelihood of Obstructive Stenosis. American Heart Association (AHA) Scientific Sessions 2025.

2024 Deep Learning Enabled Single-Shot SPGR Late GdEnhancement comparison with Single-Shot bSSFP in Patients with Cardiac Implantable Electronic Devices. SCMR Mid-year Meeting.

2024 Feasibility of Deep Learning Enabled Single-Shot SPGR Late Gd-Enhancement in Patients with Cardiac Implantable Electronic Devices and Comparison with Single-Shot bSSFP. NASCI.

2024 Reversible Aortic Narrowing on CT with Valsalva Maneuver. NASCI.

2024 Cystic Adventitial Disease of the Popliteal Artery: A Rare Find in the Atypical Claudication Workup. Midwestern Vascular Surgery Society Annual Meeting, Chicago, IL.

2024 Dual-energy CT-based Assessment of Regional Pulmonary V/Q in Non-smoking vs Smoking Populations: Effects of Sildenafil. American Thoracic Society International Conference.

2024 Accelerated Image Reconstruction in Cardiac Cine MRI: A 3D Cnn-based Modl Approach. SCMR 2024.

2024 Development of a Population-Based Coronary Artery Habitat Model Using Coronary CT Angiography for Cardiac-Spared Treatment Planning. AAPM 66th Annual Meeting 2024.

2023 Addressing Inter-Reconstruction Variability In Multienergy Cardiac Ct Radiomics: The Benefits Of Combat Harmonization. SCCT.

2023 Regional Ventilation-perfusion in Non-smoking Adults Using DECT and Image Registration. American Thoracic Society (ATS) International Conference 2023.

2023 Joint Cardiac T1 and T2 Mapping and Cardiac Cine Using a Deep Manifold Framework. International Society for Magnetic Resonance in Medicine Annual.

2023 Evaluation of Image Quality and Global Cardiac Function for Deep Learning Accelerated Cardiac Cine. International Society for Magnetic Resonance in Medicine Annual.

2023 Age-related Changes in Ventilation and Perfusion Ratio (V'/Q') Assessed With Dual-Energy CT: The Multi-Ethnic Study of Atherosclerosis (MESA) Lung Study. American Thoracic Society.

2023 Checking the Beat: Development of a Novel Multi-Modality Heart Phantom for Cardiac Applications in Radiation Therapy. AAPM 65th Annual Meeting 2023.

2023 Deep Generative Model for Joint Cardiac T1 Mapping and Cardiac Cine. IEEE International Symposium on Biomedical Imaging (ISBI) 2023.

2023 MRA for Pulmonary Embolism to Conserve Iodinated Contrast Media During an Acute Supply Chain-Related Shortage. International Society for Magnetic Resonance in Medicine (ISMRM) 2023.

2022 Exercise Pulmonary Impedance and Coupling Stress Test, and MRI-Based Regional Strain Analysis: Identifying Afterload-Sensitive Phenotypes in PH-HFpEF. American Heart Association Annual Meeting.

2022 Multi-Center Evaluation of Stress Myocardial Blood Flow by Cardiac Magnetic Resonance in Known and Suspected Ischemic Heart Disease: Preliminary Findings From the AQUA-MBF Initiative. American Heart Association Annual Meeting.

2022 Cardiovascular Computed Tomography Education In Current-day Trainees: Results From Scct'S 2021 International Cct Training Survey. SCCT 2022 Annual Meeting.

2022 Joint Alignment and Reconstruction of Multislice Dynamic MRI Using Variational Manifold Learning. IEEE International Symposium on Biomedical Imaging (ISBI).

2022 Quantitative CT Emphysema Subtypes and Pulmonary Blood Volume on Dual-Energy CT: The MESA Lung Study. European Respiratory Society (ERS) International Congress 2022.

2022 Association of Increased Chest CT Density With Clinical Features and Emphysema Progression in Ever Smokers. American Thoracic Society (ATS) International Conference 2022.

2021 Cardiac MRI strain in diagnosis of pulmonary hypertension. Society of Cardiovascular Imaging Annual Meeting.

2021 Anterior Interventricular Vein and the Path Less Travelled (Case-Report Section). Poster Presentation, American College of Cardiology Annual Meeting.

2021 Quality Control for Quantitation of Regional Pulmonary Perfused Blood Volume via Dual-Energy CT Scanning in a Large Multi-Center Cohort: The MESA Lung Study. American Thoracic Society Annual Meeting.

2021 Pulmonary Blood Volume in Older Adults Assessed by Dual-Energy Computed Tomography: The Multi-Ethnic Study of Atherosclerosis (MESA) Lung Study. American Thoracic Society Annual Meeting.

2020 COVID19 Pneumonia: Pathogenesis, Imaging, and Advances for the Radiologists. RSNA Annual meeting.

2020 E-cigarette, or vaping, product use associated lung injury (EVALI): Imaging pearls for radiologists in the times of COVID-19. RSNA Annual meeting.

2020 Vice of the Device: Pearls and Pitfalls of Imaging Vascular Devices. RSNA Annual meeting.

2020 Imaging of Hypersensitivity Pneumonia: Diagnosis and Mimics. RSNA Annual meeting.

2020 The Reversion Curve of cg05575921 Methylation in Response to Smoking Cessation: A New Dynamic Epigenetic Tool for Monitoring and Incentivizing Smoking Cessation. In: EUROPEAN JOURNAL OF HUMAN GENETICS 2020 Dec 1 (Vol.

2020 Journal of Cardiovascular Computed Tomography. 2020 Jul 1;14(3):S33. Journal of Cardiovascular Computed Tomography.

2020 Contemporary Description of Cardiovascular Computed Tomography Training And Clinical Utilization: A Survey By SCCT-FiRST Committee. Journal of Cardiovascular Computed Tomography.

2020 Presentation American Thoracic Society, International Conference 2020. American Thoracic Society.

2020 DECT-derived PBV heterogeneity in a general population sample: The MESA Lung Study. European Respiratory Journal 2020 56: 4187.

2019 Imaging of Aortic Arch Anomalies. SCCT 2019 Annual Meeting.

2018 MR imaging of mechanical activity in ultra-thin layers of cardiac tissue. Presented on April 18.

2018 Anomalous Coronary Artery Injury in Atrial Septal Defect Closure: A Comprehensive Review of the Literature. SCCT Winter Meeting 2018.

2018 Does arterial feeder on cross-sectional imaging predict treatment response and survival after TACE for HCC?. A multilevel analysis.

2016 Dr. Deming's 14 Principles: The Foundations of Quality Improvement in Diagnostic Services. RSNA Annual Meeting (Certificate of Merit).

2016 Blunt Cerebrovascular Injuries: Screening Criteria and Appearances. Presentation at ASNR.

2016 Imaging Spectrum in ADEM: Don't Let the Confused Brain Confuse You!. RSNA Annual Meeting, educational exhibit.

2016 Imaging in PRES: What's Expected and What May Not Impress. RSNA Annual meeting.

2016 Imaging Glioblastoma, When Multiforme sounds like an Understatement. Presentation at ASNR.

2016 Multimodality Imaging of Non-Aortic Cardiothoracic Trauma. RSNA Annual meeting.

2015 What's That Line? Lines and Tubes of the Chest: Misadventures, Pitfalls and Mimics. RSNA Annual Meeting, educational exhibit.

2014 Arterial Upper Extremity Run Off: Pearls and Imaging Findings. RSNA Annual meeting.

2014 Approach to Diagnosis of Pulmonary Fungal Infections. RSNA Annual meeting.

2014 Pediatric coronary CT angiography. RSNA Annual meeting.

2014 Multimodality Imaging in Epicardial LA Appendage Suture Ligation. SCCT case of the month March 2014.

2013 Low-tech barium imaging to Hightech virtual CT imaging: Understanding the relevance of imaging tools for gastric imaging from gastroenterologist's perspective' Educational exhibit at RSNA Annual meeting, Chicago, USA (2013). RSNA Annual meeting.

2013 Glioma angiogenesis, angiogenic switch and perfusion imaging: Understanding the relationship of tumor blood volume and leakiness with increasing tumor grade. Paper presentation at ASNR Annual Meeting, San Diego, California, USA (2013).

2012 Imaging of Congenital and Acquired Sensorineural Hearing Loss: Peeking through the Oval Window into the Cochlea and Beyond. RSNA conference.

2012 CT Gastrography: A valuable tool in hands of Radiologist. RSNA conference.

2012 Imaging appearances of hepatic masses in children. Poster at 65th National Conference of Indian Radiological and Imaging Association, Hyderabad, India (2012).

2012 Imaging Spectrum of Musculoskeletal Tuberculosis. Poster at 65th National Conference of Indian Radiological and Imaging Association, Hyderabad, India (2012).

2012 Imaging appearances of lesions involving the maxilla and the mandible. Poster at 65th National Conference of Indian Radiological and Imaging Association, Hyderabad, India (2012).

2012 The Many Faces of Intracranial lymphoma. Poster at ECR Annual Conference, Vienna, Austria (2012).

2011 Comparative evaluation of gastric lesions by double contrast barium meal and MDCT. Oral Paper presentation at 64th National Conference of Indian Radiological and Imaging Association, New Delhi.

2011 Imaging spectrum of cervical spine trauma. Poster at 10th Annual meeting ASNR Annual Meeting, Boston, USA (2011).

2011 Imaging spectrum of pathologies involving the basal ganglia and thalamus. Poster at Annual Meeting Indian Society of Neuroradiology.

2011 Imaging spectrum of Phakomatosis. Annual Conference of Indian Society of Neuroradiology.

2011 Imaging spectrum of CNS Tuberculosis. Annual Conference of Indian Society of Neuroradiology.

2011 Role of MDCT Urography in Urinary Tract Lesions. National Conference of Indian Radiological and Imaging Association.