

Summit H. Shah, MD, MPH

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CURRENT POSITIONS

- 2018-present **Nationwide Children's Hospital**
Pediatric Radiologist
Program Director, Pediatric Radiology Fellowship (2025-present)
- 2018-present **The Ohio State University College of Medicine**
Clinical Assistant Professor of Radiology
- 2018-present **University of Toledo College of Medicine**
Adjunct Assistant Professor

DEGREES

- 2005-2010 **The Ohio State University College of Medicine**
Doctor of Medicine
- 2007-2010 **The Ohio State University College of Public Health**
Masters of Public Health in Clinical Investigation, *NIH-sponsored dual degree*
- 2001-2005 **The Ohio State University**
Bachelor of Science in Biology, *Magna Cum Laude*

POST-GRADUATE TRAINING

- 2016-2017 **Nationwide Children's Hospital**
Fellowship, Pediatric Radiology
- 2011-2015 **The Ohio State University Medical Center**
Residency, Radiology
- 2010-2011 **Riverside Methodist Hospital**
Internship, Preliminary Medicine

COMMUNITY SERVICE

- 2022-present **MI Homes at Founder's Park HOA**
HOA President
- 2020-present **Aston Estates HOA**
HOA Board Member
- 2020-present **Broadview Mews HOA**
HOA Board Member
- 2020-present **Charitable Health Network**
Board Member (2020-present)

2015-present	Clinica Latina, Spanish Free Clinic Medical Director (2015-present)
2011-present	PODEMOS , El Progreso, Honduras Global Health Brigade Physician Volunteer
2007-present	Columbus Free Clinic Physician Board Member (2011-present) Director, Ultrasound Clinic (2021-present)
2015-2017	Manos Juntas Medical Brigade , Reynosa, Mexico Global Health Brigade Physician Volunteer

BOARD CERTIFICATIONS

2024-present	American Board of Radiology Certification in Nuclear Radiology
2024-present	American Board of Imaging Informatics Certified Imaging Informatics Professional
2018-present	American Board of Radiology Certification in Pediatric Radiology
2016-present	American Board of Radiology Certification in Diagnostic Radiology

LICENSURES

2012-present	State Medical Board of Ohio Doctor of Medicine (MD)
2018-present	DEA License

PROFESSIONAL MEMBERSHIPS

2013-present	Society for Pediatric Radiology <i>Chair</i> , Pediatric Radiology Fellowship Program Directors Committee (2023-present) <i>Vice-Chair</i> , Nuclear Medicine Committee (2024-present) Nuclear Medicine Committee (2018-present) Early Career and Trainee Committee (2022-present) Public Policy Committee (2017-2022)
2018-present	Society of Nuclear Medicine and Molecular Imaging Pediatric Imaging Council, Board of Directors (2022-present) <i>Pediatric Sub-Chair</i> , Scientific Program Committee, Annual Meeting (2022-2025) North American Consensus Guidelines for Pediatric Administered Radiopharmaceutical Activities (2023-2024)

2009-present	American College of Radiology Economics Committee on Ultrasound (2020-2024) Committee on Practice Parameters – Pediatric Radiology (2022-present)
2008-2022	Radiological Society of North America RadLex Steering Subcommittee of the Radiology Informatics Committee (2020-2022)
2011-2023	American Roentgen Ray Society
2013-2015	Association of University Radiologists

HOSPITAL COMMITTEE APPOINTMENTS

2023-2025	Imaging Informatics PACS Committee Nationwide Children’s Hospital
2023-present	Radiology Efficiency Committee Nationwide Children’s Hospital
2020-present	Radiation Safety Committee <i>Co-Chair</i> Nationwide Children’s Hospital
2022-2025	Radiology QA/QI Committee <i>Co-Chair</i> Nationwide Children’s Hospital
2020-present	Bone Mineral Density <i>Medical Director</i> Nationwide Children’s Hospital
2020-present	Medical Staff Bylaws Committee Nationwide Children’s Hospital
2019-present	Commission on Cancer Nationwide Children’s Hospital
2019-2023	Hospital Trauma Committee Nationwide Children’s Hospital

PEER-REVIEWED PUBLICATIONS

1. Treves ST, Fahey F, Valencia VF, Burchell N, Burton C, Czachowski M, Grant FD, Lai H, Lim R, Nadel H, Pamaloni MH, Pandit-Taskar N, Parisi M, Seghers V, **Shah S**, et al. 2024 update of the north american consensus guidelines for pediatric administered radiopharmaceutical activities. J Nucl Med Technol. 2025, July; online.
2. Srinivas S, Rachwal B, Bergus KC, Ankem A, Koberlein E, Akbar T, **Shah S**, et al. Size of traumatic pneumothorax on initial chest x-ray is independently associated with failed observation in children. J Trauma Acute Care Surg. 2025, July; online.

3. Christofi J, Kodimiyala R, **Shah S**, Kahwash S. Classic hodgkin lymphoma with primary presentation as lytic bone lesions and pancytopenia: report of a pediatric case and review of literature. *Pediatric and Developmental Pathology*. 2025, March; online.
4. Koso M, Pandharipande P, Overstrud I, Vickery S, Charlatan M, Yoder M, Takacs N, **Shah SH**. Radiology referrals patterns in a free clinic setting. *Clinical Imaging*. 2025, March; online.
5. Pham M, Mahan J, **Shah SH**, et al. Late onset progressive osseous heteroplasia: two unrelated cases and use of positron emission tomography for diagnosis. *JCEM Case Reports*. 2025, Feb; 3(3).
6. **Shah SH**, Young CM, Morrison J, et al. Reducing sedation for pediatric thoracic CT imaging using volumetric target-mode EKG gating. *Pediatric Quality and Safety*. 2024, Dec; online.
7. Clark N, Hirsch J, Wallace C, Zhou J, Gonzalez A, Calderon F, Bogdanski E, Rodriguez C, Anderson M, Scott S, Wyne K, **Shah S**. Assessing community needs among spanish-speaking patients in a free clinic setting. *Journal of Primary Care and Community Health*. 2024, Sept; online.
8. Srivasta S, Al-Hadidi A, Stanek J, Horvath K, Parsons L, Martinez-Rios C, Hopp A, Engle S, Plunk M, Sahpira-Zaltsberg G, Nagar S, Masters S, Al-Katib S, Tucker R, Atweh L, **Shah S**, et al. Assessing the diagnostic accuracy of TI-RADS in pediatric thyroid nodules: a multi-institutional review. *Journal of Pediatric Surgery*. 2024 Sept; online.
9. Min E, Shah Z, Keller T, Haworth M, Ekeocha C, Cooper R, **Shah SH**. Factors that affect patient wait times at a free clinic. *Journal of Health Care for the Poor and Underserved*. 2024 Feb; 35(1): 285-298.
10. Atweh L, Al-Hadidi A, Singh J, Alzahrani R, Kersey K, Bobbey A, Hoffman R, Aldrink JH, **Shah S**. Quality improvement methodology to improve standardized reporting of pediatric thyroid ultrasounds using TI-RADS. *Journal of Pediatric Surgery*. 2023 Dec; online.
11. Min E, Ekeocha C, Haworth M, Keller T, Shah Z, **Shah S**, Cooper R. The cost of operating a student-run free clinic. *Journal of Community Health*. 2023 July; 48(6): 926-931.
12. Lawson E, Vemulapalli V, Barnes A, Scott S, Wyne K, **Shah S**. Applying national standards to improve diabetic care in the hispanic free clinic population. *Journal of Community Health*. 2023 Feb; 48: 576-584.
13. Scheiber A, Prinster T, Stecko H, Wang T, Scott S, **Shah S**, Wyne K. COVID-19 vaccination rates and vaccine hesitancy among spanish-speaking free clinic patients. *Journal of Community Health*. 2022 Oct; 48(1): 127-135.
14. **Shah SH**, Atweh L, Thompson C, Carzoo S, Krishnamurthy R, Zumberge NA. Workflow interruptions and effect on study interpretation efficiency. *Current Problems in Diagnostic Radiology*. 2022 Dec; 51(6): 848-851.
15. Krishnamurthy R, **Shah SH**, Wang L, Gleeson SP, Liu GC, Hu HH, Krishnamurthy R. Advanced imaging use and payment trends in a large pediatric accountable care organization. *Pediatric Radiology* 2022 Jan; 52(1): 22-29.

16. Jadcherla S, Hasenstab K, Osborn E, Levy D, Ipek H, Helmick R, Sultana Z, Logue N, Yildiz V, Blosser H, **Shah SH**, Wei L. Mechanisms and management considerations of parent-chosen feeding approaches to infants with swallowing difficulties: an observational study. *Scientific Reports* 2021 Oct; 11:19934.
17. Ahmad H, Al-Haddi A, Bobbey A, **Shah SH**, Stanek J, Nicol K, Hoffman RP, Aldrink JH. Pediatric adaptations are needed to improve the diagnostic accuracy of thyroid ultrasound using TI-RADS. *Journal of Pediatric Surgery* 2021 Jun; 56(6): 1120-1125.
18. KE, Koboldt DC, Schieffer KM, Bedrosian TA, Crist E, Sheline A, Leraas K, Magrini V, Zhong H, Brennan P, Bush J, Fitch J, Bir N, Miller AR, Cottrell CE, Leonard J, Pindrik JA, Rusin JA, **Shah SH**, et al. Somatic SLC35A2 mosaicism correlates with clinical findings in epilepsy brain tissue. *Neurology: Genetics* 2020 Jun; 6(4): e460.
19. Makary MS, **Shah SH**, Miller RJ, Doukides SP, King MA. Implementation of an innovative tablet-based curriculum for radiology resident education. *Academic Radiology* 2018 Jun; 1653-1658.
20. Arja MH, Patel P, **Shah SH**, et al. Synchronous central nervous system atypical teratoid / rhabdoid tumor and malignant rhabdoid tumor of the kidney – case report of a long-term survivor and review of the literature. *World Neurosurgery* 2018 Mar; 111: 6-15.
21. Wedekind MF, Warren P, **Shah S**, Kumar R. Mesoaortic compression of a left-sided inferior vena-cava presenting as recurrent pulmonary embolism in a child – a novel anatomic thrombophilia?. *Pediatric Blood & Cancer* 2018 Jun; 65(6):e26986.
22. Joshua JD, **Shah SH**, Cooper KJ, et al. Cost-benefit analysis of establishing an inferior vena cava filter clinic. *Diagnostic and Interventional Radiology* 2017 Jan-Feb; 23(1): 37-42.
23. Makary MS, **Shah SH**, Warhadpande, S, et al. Design-of-experiments approach to improving inferior vena cava filter retrieval rates. *Journal of American College of Radiology* 2016 Jan; 14(1): 72-77.
24. Nagarj U, King M, **Shah S**, Ghosh S. Evaluation of discrete upper septal thickening on 64-slice coronary tomographic angiography. *Journal of Thoracic Imaging* 2012 Nov; 27(6): 359-65.
25. **Shah S**, He X, Agrawal A, et al. Alcohol-drinking related predictors of delirium after major head and neck cancer surgery. *Archives of Otolaryngology* 2012 March; 138(3): 266-271.
26. **Shah S**, Sinclair SA, Smith GA, Xiang H. Pediatric hospitalizations for bicycle-related injuries. *Injury Prevention* 2007 Oct; 13(5): 316-21.
27. Rodriguez KR, **Shah S**, Williams SM, Teeters-Kennedy S, Coe JV. Enhanced infrared absorption spectra of self-assembled alkanethiol monolayers using the extraordinary infrared transmission of metallic arrays of subwavelength apertures. *Journal of Chemical Physics* 2004 Nov; 121(18): 8671-5.
28. Williams SM, Rodriguez KR, Teeters-Kennedy S, **Shah S**, Rogers RM, Stafford AD, Coe JV. Scaffolding for nanotechnology: extraordinary infrared transmission of metal microarrays for stacked sensors and surface spectroscopy. *nanotechnology* 2004 July; 15: 5495-5503.

EDITOR-REVIEWED PUBLICATIONS

1. Noritz G, **Shah S**, Glader L. Estimating fracture risk in children and adults with disabilities: an iniquitous use of race. *Developmental Medicine & Child Neurology* 2022 Apr;64(4):533.
2. **Shah SH**, Binkovitz LA, Ho ML, Trout AT, Adler BH, Andronikou S. Pediatric radiology mission work: opportunities, challenges and outcomes. *Pediatric Radiology* 2018 Nov; 48(12): 1698-1708.

ACKNOWLEDGED CONTRIBUTIONS TO PEER-REVIEWED PUBLICATIONS

1. *Acknowledged in:* ACR-ACNM-SNMMI-SPR practice parameter for the performance of radionuclide cystography. 2025.

BOOK CHAPTERS

1. Zito M, **Shah S**, Barata I, Kaplan D. “Sentinel Injuries: It’s What’s Inside That Counts.” In *What Do I Do Now?: Emergency Medicine: Pediatric Emergency Radiology*, 1st edition, edited by Ann Dietrich, 137-149. New York, NY: Oxford University Press, 2023.

PEER-REVIEWED ABSTRACT PUBLICATIONS

1. Singh J, Atweh LA, Kersey K, Bobbey A, **Shah S**. Using quality improvement methodology to improve standardized reporting of pediatric thyroid ultrasounds using TI-RADS. *Pediatric Radiology* 2023 May; 53 (Suppl 1): S31.
2. **Shah S**, Dowell JD, Warhadpande S. Design of experiments approach to improving filter retrieval rates for younger patients. *Journal of Vascular and Interventional Radiology* 2015 April. 26(2): S209.
3. **Shah S**, Cooper K, Dowell J. Cost-effectiveness of establishing an IVC filter clinic for an interventional radiology department. *Journal of Vascular and Interventional Radiology* 2014 April. 25(3): S59.
4. Guy G, Rikabi A, Al-Taani J, Khabiri H, Majdalany B, **Shah S**, Cooper K, Dowell D. Initiation of an IVC filter clinic and the effect of retrospective chart review on retrieval rates and referring physician education. *Journal of Vascular and Interventional Radiology* 2013 April; 24(4): S85.

INVITED NATIONAL LECTURES

1. Clinical care: The impact of outreach in remote communities, Society for Pediatric Radiology, Annual Meeting, April 2024.
2. Pediatric radiology board review, RadDiscord, Webinar, February 2024.
3. Leveraging social media, Society for Pediatric Radiology, Slovis Career Development Course Webinar, January 2024.
4. Hepatobiliary scintigraphy for biliary atresia, Society of Nuclear Medicine and Molecular Imaging, Annual Meeting, June 2023.

5. How to prepare children and adolescents and their parents, providers, and staff to accomplish optimal nuclear medicine and molecular imaging procedures, Society of Nuclear Medicine and Molecular Imaging Webinar, May 2023.
6. Common pediatric nuclear medicine cases, Radiology Grand Rounds, Children's National Hospital, June 2023.
7. Radiology residency and fellowship overview, The International Conference of Medical Doctors, May 2023.
8. Pediatric radiology board review, RadDiscord, Webinar, January 2023.
9. Pediatric nuclear medicine for the generalist, Society for Pediatric Radiology, Annual Meeting, April 2022.
10. Pediatric application of TI-RADS, Radiology Grand Rounds, Children's National Hospital, October 2021.
11. Pediatric renal scintigraphy, Society of Nuclear Medicine & Molecular Imaging Annual Meeting, June 2021.
12. Nuclear medicine genitourinary imaging in neonates, Society for Pediatric Radiology Neonatal Imaging Course, January 2021.

SCIENTIFIC NATIONAL PRESENTATIONS

1. Chen C, Wu G, **Shah S**. Navigating pediatric neuroradiology: a primer on imaging modalities and appropriateness criteria for medical students. American Society of Pediatric Neuroradiology Annual Meeting, January 2025.
2. Srinivas S, Rachwal B, Bergus K, Ankem A, Koberlein E, Akbar T, **Shah S**, Coleman J, Van Arendock K, Thakkar R, Schwartz D. Size of traumatic pneumothorax on initial chest x-ray is independently associated with failed observation in children. Pediatric Trauma Society Annual Meeting, November 2024.
3. Srivasta S, Al-Hadidi A, Stanek J, Horvath K, Parson L, Martinez-Rios C, Hopp A, Engle S, Plunk M, Shapira-Zaltsberg G, Nagar S, Masters S, Al-Katib S, Tucker R, Atweh L, **Shah S**, Bobbey A, Hoffman R, Aldrink J. Assessing the diagnostic accuracy of TI-RADS in pediatric thyroid nodules: a multi institutional review. American Pediatric Surgical Association Meeting, May 2024.
4. Scruggs M, Gonzales A, Ronsley R, Salloum R, Setty B, **Shah S**, Bowden S, Shaikhalil A, Stanek J, Streby K. No bones about it: a pilot study of bone health in children with solid tumors. The American Society of Pediatric Hematology Oncology Annual meeting, April 2024.
5. Pfahl E, Tan ZH, Brea C, Bahner D, **Shah S**. Establishing an application-based ultrasound education program for medical students. World Congress Ultrasound in Medical Education, September 2023.
6. Singh J, Atweh LA, Kersey K, Bobbey A, **Shah S**. Using quality improvement methodology to improve standardized reporting of pediatric thyroid ultrasounds using TI-RADS. Society for Pediatric Radiology, Annual Meeting, May 2023.

7. Scruggs M, Dryden A, English J, Bowden S, **Shah S**, Stanek J, Streby K. Fracture prevalence in children with high-risk neuroblastoma. International Society of Pediatric Oncology Annual Meeting, September 2022.
8. Koso, M, **Shah SH**. Understanding and improving access to radiology for the underserved population. American Roentgen Ray Society Annual Meeting, May 2022.
9. Krishnamurthy, R, Rajesh S, **Shah SH**, Krishnamurthy R. Impact of COVID-19 on imaging resource utilization in emergency departments: a pediatric health information systems study. Society for Pediatric Radiology Annual Meeting, April 2022.
10. Ahmad H, Al-Hadidi A, Bobbey A, **Shah SH**, et al. Pediatric adaptations are needed to improve the diagnostic accuracy of thyroid ultrasound using TI-RADS. American Academy of Pediatrics National Conference, October 2020. Oral presentation given virtually due to COVID-19.
11. **Shah SH**, Krishnamurthy R, Wang L, Krishnamurthy R. Advanced imaging utilization and cost patterns in children over an eight-year period from a large pediatric accountable care organization. Society for Pediatric Radiology Annual Meeting, May 2020. Oral Presentation not given due to COVID-19.
12. Krishnamurthy R, **Shah SH**, Wang L, Krishnamurthy R. Geographic and income disparities in pediatric utilization of advanced imaging. Society for Pediatric Radiology Annual Meeting, May 2020. Oral Presentation not given due to COVID-19.
13. **Shah SH**, Krishnamurthy R, et al. Imaging trends and costs from a large pediatric accountable care organization. Radiological Society of North America Annual Meeting, Chicago, IL, December 2019.
14. **Shah SH**, Krishnamurthy R, Kelleher S, Krishnamurthy R. Value of specialist interpretation of cross-sectional pediatric imaging studies. Society for Pediatric Radiology Annual Meeting, San Francisco, CA, May 2019.
15. **Shah SH**, McGonagil P, Hu H, Sankaran A, Krishnamurthy R, Krishnamurthy R. Clinical quality and cost effectiveness of a pediatric MRI simulator program. Society for Pediatric Radiology Annual Meeting, San Francisco, CA, May 2019.
16. Robertson M, Bobbey A, **Shah SH**. Hepatobiliary scintigraphy vs. ultrasound for assessment of gallbladder ejection fraction in pediatric patients with suspected biliary dyskinesia. Society for Pediatric Radiology Annual Meeting, Nashville, TN, May 2018. Oral Presentation.
17. Scheetz S, Sagun A, Rogers A, Mantell E, **Shah SH**. Patient Experience Quality Improvement Initiative at a Free Clinic. Society of Student-Run Free Clinics Annual Conference, Omaha, Nebraska, February 2018.
18. **Shah SH**. Integrating a Radiologist and Ultrasound into a Short-Term Medical Mission Trip: Lessons Learned over 6 Years in Honduras. RAD-AID Conference for International Radiology and Global Health, Washington, DC, November 2017.

19. **Shah SH**, Carzoo S, Krishnamurthy R, Zumberge NA. Business Process Evaluation of Pediatric Radiology Workflow, Disruptions, and Turn Around Times. Society for Pediatric Radiology Annual Meeting, Vancouver, Canada, May 2017. Oral presentation.
20. **Shah SH**, Bates DG, Levitt MA, Wood R, Thompson BP. A radiologist guide to performing and interpreting a contrast enema in symptomatic post-operative Hirschsprung disease patients. Society for Pediatric Radiology Annual Meeting, Vancouver, Canada, May 2017.
21. **Shah SH**, Rusin Jerome A, Krishnamurthy R, Adler BH. Performance of RADPEER versus patient outcomes for overnight reads in pediatric neuroradiology. Society for Pediatric Radiology Annual Meeting, Vancouver, Canada, May 2017.
22. Lodwick, DL, Cooper JN, Groner JJ, Gonzalez DO, Lee C, Kelleher K, Minneci PC, **Shah SH**, Krishnamurthy R, Deans KJ. Disparities in radiation burden from computed tomography in trauma patients triaged to pediatric vs. non-pediatric institutions. Society for Pediatric Radiology Annual Meeting, Vancouver, Canada, May 2017.
23. **Shah S**, Dowell JD, Warhadpande S. Design of experiments approach to improving filter retrieval rates for younger patients. Society of Interventional Radiology Annual Meeting, Atlanta, GA, March 2015.
24. **Shah S**, Bechel M, Hogan M. Suprapubic catheterizations in pediatric patients. Society for Pediatric Radiology Annual Meeting, Washington, DC, May 2014.
25. **Shah S**, King MA. Tablet-based curriculum for radiology resident education. Association of University Radiologists Annual Meeting, Baltimore, MD, April, 2014. Oral Presentation.
26. **Shah, S**, Cooper K, Dowell J. Cost-effectiveness of establishing an IVC filter clinic for an interventional radiology department. Society of Interventional Radiology Annual Meeting, San Diego, CA, March 2014. Oral Presentation.
27. **Shah S**, Cooper KJ, Guy GE, Dowell JD. To retrieve, or not to retrieve: improving patient care and management following optional IVC filter placement. Radiological Society of North America Annual Meeting, Chicago, IL, December, 2013.
28. **Shah S**, He X, Agrawal A, Ozer E, Schuller DE, Weed HG. Alcohol-related predictors of postoperative delirium in major head and neck cancer surgery. Society of General Internal Medicine, Miami, FL, May 15, 2009.

INVITED MODERATOR

1. Society for Pediatric Radiology, Annual Meeting, Public Policy Scientific Session, April 2024.
2. Society for Pediatric Radiology, Annual Meeting, Nuclear Medicine Scientific Session, May 2023.
3. Society of Nuclear Medicine and Molecular Imaging, Annual Meeting, Pediatric Nuclear Medicine and Molecular Imaging Scientific Session, June 2023.
4. Society for Pediatric Radiology, Annual Meeting, Nuclear Medicine Scientific Session, April 2024.

JOURNAL REVIEWER

2021-present	Pediatric Quality and Safety Scientific Reviewer
2020-present	Pediatric Radiology Scientific Reviewer
2016-2022	American Journal of Roentgenology Scientific Reviewer

HONORS AND AWARDS

2023	Unsung Hero Award Department of Radiology, Nationwide Children's Hospital
2021	Quality Improvement Essentials Course Nationwide Children's Hospital
2012	Faculty Teaching Scholars Program The Ohio State University Medical Center
2010	Robert D. Berkebile Memorial Award in Radiology The Ohio State University College of Medicine
2009	Gold Humanism Honor Society The Ohio State University College of Medicine
2007	T32 Research Training Grant National Institutes of Health
2006	Excellence in Volunteer Community Service The Ohio State University