

Stanford



Ali Bin Syed

Clinical Associate Professor, Radiology - Pediatric Radiology

CLINICAL OFFICE (PRIMARY)

- **LPCH Pediatric Radiology**

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Bio

BIO

Dr. Syed is a member of the divisions of Pediatric Radiology and Body MRI and serves as the Medical Director of Pediatric MRI at Stanford. Dr. Syed has received subspecialty training in adult body imaging, pediatric body imaging, congenital cardiac imaging, and musculoskeletal imaging. His clinical interests include MR imaging of pediatric and adult hepatobiliary disorders, inflammatory bowel disease, gynecologic pathology, and congenital heart disease. He is also an active researcher and works with engineers and scientists to translate technical innovations in MRI into improved patient care. His recent work focuses on translation of machine learning techniques for rapid, robust MRI in children and adults.

CLINICAL FOCUS

- Pediatric Radiology

ACADEMIC APPOINTMENTS

- Clinical Associate Professor, Radiology - Pediatric Radiology
- Member, Cardiovascular Institute
- Member, Maternal & Child Health Research Institute (MCHRI)
- Member, Stanford Medicine Children's Health Center for IBD and Celiac Disease

PROFESSIONAL EDUCATION

- Medical Education: Temple University School of Medicine (2014) PA
- Board Certification: Diagnostic Radiology, American Board of Radiology (2021)
- Fellowship: Stanford University Radiology Fellowships (2020) CA
- Residency: Thomas Jefferson University Radiology Residency (2019) PA
- Internship: Crozer Chester Medical Center Transitional Year Program (2015) PA

Publications

PUBLICATIONS

- **Precision Delivery of Therapeutics to the Intestine: A Case Series of Superselective Steroid Administration in Pediatric Intestinal Transplant Recipients.** *Transplantation*
Levitte, S., Guevara-Tique, A. A., Ganguly, A., Syed, A., Gugig, R., Zhang, K. Y., Bonham, C. A., Thakor, A. S.
2024; 108 (8): e202-e203
- **Distortionless, free-breathing, and respiratory resolved 3D diffusion weighted imaging of the abdomen.** *Magnetic resonance in medicine*
Lee, P. K., Zhou, X., Wang, N., Syed, A. B., Brunsing, R. L., Vasanaawala, S. S., Hargreaves, B. A.
2024
- **MR and Ultrasound Elastography for Fibrosis Assessment in Children: Practical Implementation and Supporting Evidence-AJR Expert Panel Narrative Review.** *AJR. American journal of roentgenology*
Serai, S. D., Franchi-Abella, S., Syed, A. B., Tkach, J. A., Toso, S., Ferraioli, G.
2024
- **Abbreviated cardiac magnetic resonance imaging versus echocardiography for interval assessment of systolic function in Duchenne muscular dystrophy: patient satisfaction, clinical utility, and image quality.** *The international journal of cardiovascular imaging*
Chandrasekar, H., Kaufman, B. D., Beattie, M. J., Ennis, D. B., Syed, A. B., Zucker, E. J., Maskatia, S. A.
2023
- **"Percutaneous" technique for direct external access to and stenting of obstructed pediatric ventricular assist device inflow cannula.** *JTCVS techniques*
Taylor, A., Lee, K. J., Felmly, L., Syed, A., Almond, C., Shuttleworth, P., Issapour, A., Babb, A., Ma, M., Martin, E.
2023; 21: 195-198
- **Magnetic resonance neurography techniques in the pediatric population.** *Pediatric radiology*
Jayapal, P., Alharthi, O., Young, V., Obi, C., Syed, A. B., Sandberg, J. K.
2023
- **Cancer Therapy-related Hepatic Injury in Children: Imaging Review from the Pediatric LI-RADS Working Group.** *Radiographics : a review publication of the Radiological Society of North America, Inc*
Morin, C. E., Kolbe, A. B., Alazraki, A., Chavhan, G. B., Gill, A., Infante, J., Khanna, G., Nguyen, H. N., O'Neill, A. F., Rees, M. A., Sharma, A., Squires, J. E., Squires, et al
2023; 43 (9): e230007
- **4D Flow cardiovascular magnetic resonance consensus statement: 2023 update.** *Journal of cardiovascular magnetic resonance : official journal of the Society for Cardiovascular Magnetic Resonance*
Bissell, M. M., Raimondi, F., Ait Ali, L., Allen, B. D., Barker, A. J., Bolger, A., Burriss, N., Carhäll, C. J., Collins, J. D., Ebbers, T., Francois, C. J., Frydrychowicz, A., Garg, et al
2023; 25 (1): 40
- **Assessment of T2-weighted Image Quality at Prostate MRI in Patients with and Those without Intramuscular Injection of Glucagon.** *Radiology. Imaging cancer*
Sundaram, K. M., Rosenberg, J., Syed, A. B., Chang, S. T., Loening, A. M.
2023; 5 (3): e220070
- **Case Series of Precision Delivery of Methylprednisolone in Pediatric Inflammatory Bowel Disease: Feasibility, Clinical Outcomes, and Identification of a Vasculitic Transcriptional Program.** *Journal of clinical medicine*
Levitte, S., Yarani, R., Ganguly, A., Martin, L., Gubatan, J., Nadel, H. R., Franc, B., Gugig, R., Syed, A., Goyal, A., Park, K. T., Thakor, A. S.
2023; 12 (6)
- **Automated MRI Field of View Prescription from Region of Interest Prediction by Intra-Stack Attention Neural Network.** *Bioengineering (Basel, Switzerland)*
Lei, K., Syed, A. B., Zhu, X., Pauly, J. M., Vasanaawala, S. V.
2023; 10 (1)
- **Pancreatic Fluid Leak Causing Mediastinal Shift** *JOURNAL OF PEDIATRIC GASTROENTEROLOGY AND NUTRITION*
Herdes, R. E., Syed, A. B., Gugig, R.

2023; 76 (1): E20

- **Deep Learning-Based Water-Fat Separation from Dual-Echo Chemical Shift-Encoded Imaging.** *Bioengineering (Basel, Switzerland)*
Wu, Y., Alley, M., Li, Z., Datta, K., Wen, Z., Sandino, C., Syed, A., Ren, H., Xing, L., Lustig, M., Pauly, J., Vasanaawala, S.
2022; 9 (10)
- **Pancreatic Fluid Leak Causing Mediastinal Shift.** *Journal of pediatric gastroenterology and nutrition*
Herdes, R. E., Syed, A. B., Gugig, R.
2022
- **Accelerated two-dimensional phase-contrast for cardiovascular MRI using deep learning-based reconstruction with complex difference estimation.** *Magnetic resonance in medicine*
Oscanoa, J. A., Middione, M. J., Syed, A. B., Sandino, C. M., Vasanaawala, S. S., Ennis, D. B.
2022
- **Rapid fat-water separated T1 mapping using a single shot radial inversion-recovery spoiled gradient recalled pulse sequence.** *NMR in biomedicine*
Li, Z., Mathew, M., Syed, A. B., Feng, L., Brunsing, R., Pauly, J. M., Vasanaawala, S. S.
2022
- **Towards identifying predictors of pediatric heart only versus combined heart liver transplantation**
Zhang, K., Chen, S., Syed, A., Gallo, A., Esquivel, C., Bonham, A., Hollander, S. A., Ma, M., Han, J., Ebel, N. H.
WILEY.2022
- **Artifact- and content-specific quality assessment for MRI with image rulers.** *Medical image analysis*
Lei, K., Syed, A. B., Zhu, X., Pauly, J. M., Vasanaawala, S. S.
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- **Free-breathing R 2 # mapping of hepatic iron overload in children using 3D multi-echo UTE cones MRI.** *Magnetic resonance in medicine*
Kee, Y. n., Sandino, C. M., Syed, A. B., Cheng, J. Y., Shimakawa, A. n., Colgan, T. J., Hernando, D. n., Vasanaawala, S. S.
2021
- **Rosette Trajectories Enable Ungated, Motion-Robust, Simultaneous Cardiac and Liver T2 * Iron Assessment.** *Journal of magnetic resonance imaging : JMIR*
Bush, A. M., Sandino, C. M., Ramachandran, S., Ong, F., Dwork, N., Zucker, E. J., Syed, A. B., Pauly, J. M., Alley, M. T., Vasanaawala, S. S.
2020: e27196
- **DIAGNOSTIC IMAGE QUALITY ASSESSMENT AND CLASSIFICATION IN MEDICAL IMAGING: OPPORTUNITIES AND CHALLENGES.** *Proceedings. IEEE International Symposium on Biomedical Imaging*
Ma, J. J., Nakarmi, U., Kin, C. Y., Sandino, C. M., Cheng, J. Y., Syed, A. B., Wei, P., Pauly, J. M., Vasanaawala, S. S.
2020; 2020: 337-340
- **Near-Silent and Distortion-Free Diffusion MRI in Pediatric Musculoskeletal Disorders: Comparison With Echo Planar Imaging Diffusion.** *Journal of magnetic resonance imaging : JMIR*
Sandberg, J. K., Young, V. A., Syed, A. B., Yuan, J. n., Hu, Y. n., Sandino, C. n., Menini, A. n., Hargreaves, B. n., Vasanaawala, S. n.
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- **DIAGNOSTIC IMAGE QUALITY ASSESSMENT AND CLASSIFICATION IN MEDICAL IMAGING: OPPORTUNITIES AND CHALLENGES**
Ma, J. J., Nakarmi, U., Kin, C., Sandino, C. M., Cheng, J. Y., Syed, A. B., Wei, P., Pauly, J. M., Vasanaawala, S. S., IEEE
IEEE.2020: 337-40
- **AI Accelerated Human-in-the-loop Structuring of Radiology Reports.** *AMIA ... Annual Symposium proceedings. AMIA Symposium*
Wu, J. T., Syed, A., Ahmad, H., Pillai, A., Gur, Y., Jadhav, A., Gruhl, D., Kato, L., Moradi, M., Syeda-Mahmood, T.
2020; 2020: 1305-14