



Jesse Kerr Sandberg

Clinical Associate Professor, Radiology - Pediatric Radiology

CLINICAL OFFICE (PRIMARY)

- **LPCH Pediatric Radiology**

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Bio

CLINICAL FOCUS

- Pediatric Radiology

ACADEMIC APPOINTMENTS

- Clinical Associate Professor, Radiology - Pediatric Radiology

HONORS AND AWARDS

- John Kirkpatrick Young Investigator Award, Society of Pediatric Radiology (2020)

PROFESSIONAL EDUCATION

- Medical Education: UCLA David Geffen School Of Medicine (2013) CA
- Board Certification: Diagnostic Radiology, American Board of Radiology (2019)
- Fellowship: Lucile Packard Childrens Hospital Pediatric Radiology Fellowship (2019) CA
- Fellowship, Lucile Packard Children's Hospital, Stanford University Medical Center , Pediatric Radiology, Advanced MRI, Pediatric Musculoskeletal Radiology (2020)
- Residency, Mallinckrodt Institute of Radiology at Washington University , Radiology (2018)
- Internship, University of North Carolina Children's Hospital , Pediatrics (2014)
- M.D., David Geffen School of Medicine at UCLA , Medical Doctorate (2013)
- BSE, Duke University , Biomedical Engineering (2008)

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Current research interests include ultrasound elastography, ultrasound contrast applications, MRI sequence development, HIFU and MSK ultrasound.

Publications

PUBLICATIONS

- **Obsessive-Compulsive Disorder Associated with Autoimmunity in Youth: Clinical Course before and after Rituximab +/- Adjunctive Immunomodulation.** *Developmental neuroscience*
Frankovich, J., Calaprice, D., Ma, M., Knight, O., Miles, K., Manko, C., Hernandez, J. D., Sandberg, J., Farhadian, B., Xie, Y., Silverman, M., Madan, J., Strand, et al
2025: 1-19
- **Optimizing Ewing Sarcoma and Osteosarcoma Biopsy Acquisition: A Children's Oncology Group Bone Tumor Committee Consensus Statement.** *Journal of the National Comprehensive Cancer Network : JNCCN*
Dietz, M. S., Al-Ibraheemi, A., Davis, J. L., Hawkins, C. M., Craig, B. T., Dasgupta, R., Geller, D. S., Shulman, D. S., Cohen-Gogo, S., Gupta, A., Whiteway, S. L., Slotkin, E. K., Heske, et al
2024: 1-7
- **Race and Ethnic Group Enrollment and Outcomes for Wilms Tumor: Analysis of the Current Era Children's Oncology Group Study AREN03B2.** *Journal of the American College of Surgeons*
Lovvorn Iii, H. N., Renfro, L. A., Benedetti, D. J., Kotagal, M., Phelps, H. M., Ehrlich, P. F., Lo, A. C., Sandberg, J. K., Treece, A. L., Gow, K. W., Glick, R. D., Davidoff, A. M., Cost, et al
2024
- **Development of Autoimmune Diseases Among Children With Pediatric Acute-Onset Neuropsychiatric Syndrome** *JAMA network open*
Ma, M., Masterson, E. E., Gao, J., Karpel, H., Chan, A., Pooni, R., Sandberg, J., Rubesova, E., Farhadian, B., Willet, T., Xie, Y., Tran, P., Silverman, et al
2024; 7 (7)
- **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
- **Arthritis in Children with Psychiatric Deteriorations: A Case Series** *DEVELOPMENTAL NEUROSCIENCE*
Ma, M., Sandberg, J., Farhadian, B., Silverman, M., Xie, Y., Thienemann, M., Frankovich, J.
2023: 1
- **The varied spectrum of nephroblastomatosis, nephrogenic rests, and Wilms tumors: Review of current definitions and challenges of the field.** *Pediatric blood & cancer*
Fialkowski, E., Sudour-Bonnange, H., Vujanic, G. M., Shamberger, R. C., Chowdhury, T., Aldrink, J. H., Davick, J., Sandberg, J., Furtwaengler, R., Mullen, E.
2022: e30162
- **Imaging of pediatric renal tumors: A COG Diagnostic Imaging Committee/SPR Oncology Committee White Paper focused on Wilms tumor and nephrogenic rests.** *Pediatric blood & cancer*
Artunduaga, M., Eklund, M., van der Beek, J. N., Hammer, M., Littooj, A. S., Sandberg, J. K., Schenk, J., Servaes, S., Singh, S., Smith, E. A., Srinivasan, A., Khanna, G.
2022: e30004
- **Imaging of pediatric bone tumors: A COG Diagnostic Imaging Committee/SPR Oncology Committee White Paper.** *Pediatric blood & cancer*
Cederberg, K. B., Iyer, R. S., Chaturvedi, A., McCarville, M. B., McDaniel, J. D., Sandberg, J. K., Shammas, A., Sharp, S. E., Nadel, H. R.
2022: e30000
- **Predictive Patterns of Pediatric PTLD on PET/MRI**
Jayapal, P., Sandberg, J., Seekins, J., Nadel, H.
SOC NUCLEAR MEDICINE INC.2022
- **Volumetric and multispectral DWI near metallic implants using a non-linear phase Carr-Purcell-Meiboom-Gill diffusion preparation.** *Magnetic resonance in medicine*
Lee, P. K., Yoon, D., Sandberg, J. K., Vasanawala, S. S., Hargreaves, B. A.
1800
- **Zero echo time pediatric musculoskeletal magnetic resonance imaging: initial experience.** *Pediatric radiology*

- Sandberg, J. K., Young, V. A., Yuan, J., Hargreaves, B. A., Wishah, F., Vasanawala, S. S.
2021
- **Ultrasound shear wave elastography: does it add value to gray-scale ultrasound imaging in differentiating biliary atresia from other causes of neonatal jaundice?** *Pediatric radiology*
Sandberg, J. K., Sun, Y. n., Ju, Z. n., Liu, S. n., Jiang, J. n., Koci, M. n., Rosenberg, J. n., Rubesova, E. n., Barth, R. A.
2021
 - **Dynamic Hydrodissection for Skin Protection during Cryoablation of Superficial Lesions.** *Journal of vascular and interventional radiology : JVIR*
Sandberg, J. K., Shoaf, K. R., Lungren, M. P., Young, V. A., Josephs, S., Thakor, A. S.
2020
 - **Contrast enhanced ultrasound: comparing a novel modality to MRI to assess for bowel disease in pediatric Crohn's patients** *TRANSLATIONAL GASTROENTEROLOGY AND HEPATOLOGY*
Mudambi, K., Sandberg, J., Bass, D., Rubesova, E.
2020; 5
 - **Imaging Characteristics of Nephrogenic Rests Versus Small Wilms Tumors: A Report From the Children's Oncology Group Study AREN03B2.** *AJR. American journal of roentgenology*
Sandberg, J. K., Chi, Y. Y., Smith, E. A., Servaes, S. n., Hoffer, F. A., Mullen, E. A., Perlman, E. J., Tornwall, B. n., Ehrlich, P. F., Geller, J. I., Grundy, P. E., Fernandez, C. V., Dome, et al
2020: 1–8
 - **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., Vasanawala, S. n.
2020
 - **Targeted rapid knee MRI exam using T-2 shuffling** *JOURNAL OF MAGNETIC RESONANCE IMAGING*
Tamir, J. I., Taviani, V., Alley, M. T., Perkins, B. C., Hart, L., O'Brien, K., Wishah, F., Sandberg, J. K., Anderson, M. J., Turek, J. S., Willke, T. L., Lustig, M., Vasanawala, et al
2019; 49 (7): E195–E204
 - **Targeted rapid knee MRI exam using T2 shuffling.** *Journal of magnetic resonance imaging : JMIR*
Tamir, J. I., Taviani, V., Alley, M. T., Perkins, B. C., Hart, L., O'Brien, K., Wishah, F., Sandberg, J. K., Anderson, M. J., Turek, J. S., Willke, T. L., Lustig, M., Vasanawala, et al
2019
 - **CheXpert: A Large Chest Radiograph Dataset with Uncertainty Labels and Expert Comparison**
Irvin, J., Rajpurkar, P., Ko, M., Yu, Y., Ciurea-Ilicus, S., Chute, C., Marklund, H., Haghighi, B., Ball, R., Shpanskaya, K., Seekins, J., Mong, D. A., Halabi, et al
ASSOC ADVANCEMENT ARTIFICIAL INTELLIGENCE.2019: 590–97
 - **Near-silent distortionless DWI using magnetization-prepared RUFIS.** *Magnetic resonance in medicine*
Yuan, J. n., Hu, Y. n., Menini, A. n., Sandino, C. M., Sandberg, J. n., Sheth, V. n., Moran, C. J., Alley, M. n., Lustig, M. n., Hargreaves, B. n., Vasanawala, S. n.
2019