



## Research & Scholarship

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### CURRENT RESEARCH AND SCHOLARLY INTERESTS

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

### Publications

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#### PUBLICATIONS

- **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., Hoffer, F. A., Mullen, E. A., Perlman, E. J., Tornwall, B., Ehrlich, P. F., Geller, J. I., Grundy, P. E., Fernandez, C. V., Dome, et al  
2020: 1–8
- **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., Vasanaawala, et al  
2019; 49 (7): E195–E204
- **Targeted rapid knee MRI exam using T2 shuffling.** *Journal of magnetic resonance imaging : JMRI*  
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., Vasanaawala, et al  
2019
- **Near-silent distortionless DWI using magnetization-prepared RUFIS.** *Magnetic resonance in medicine*  
Yuan, J., Hu, Y., Menini, A., Sandino, C. M., Sandberg, J., Sheth, V., Moran, C. J., Alley, M., Lustig, M., Hargreaves, B., Vasanaawala, S.  
2019
- **CheXpert: A Large Chest Radiograph Dataset with Uncertainty Labels and Expert Comparison**  
Irvin, J., Rajpurkar, P., Ko, M., Yu, Y., Ciurea-Ilcus, S., Chute, C., Marklund, H., Haghgoo, B., Ball, R., Shpanskaya, K., Seekins, J., Mong, D. A., Halabi, et al  
*ASSOC ADVANCEMENT ARTIFICIAL INTELLIGENCE*.2019: 590–97