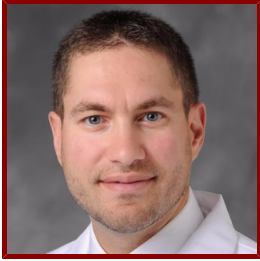


Stanford



Safwan Halabi

Clinical Associate Professor, Radiology - Pediatric Radiology

 Curriculum Vitae available Online

CLINICAL OFFICES

- **Stanford Radiology**

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ACADEMIC CONTACT INFORMATION

- **Administrative Contact**

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Bio

BIO

Dr. Safwan Halabi is a Clinical Associate Professor of Radiology at the Stanford University School of Medicine and serves as the Medical Director for Radiology Informatics at Stanford Children's Health. He is board-certified in Radiology with Certificate of Added Qualification in Pediatric Radiology. He is also board-certified in Clinical Informatics. He clinically practices obstetric and pediatric imaging at Lucile Packard Children's Hospital. Dr. Halabi's clinical and administrative leadership roles are directed at improving quality of care, efficiency, and patient safety. He has also lead strategic efforts to improve the enterprise imaging platforms at Stanford Children's Health. He is a strong advocate of patient-centric care and has helped guide policies for radiology report and image release to patients. He has published in peer-reviewed journals on various clinical and informatics topics. His current academic and research interests include: imaging informatics, deep/machine learning in imaging, artificial intelligence in medicine, clinical decision support and patient-centric health care delivery. He is currently the Chair of the RSNA Informatics Data Science Committee and serves as a Board Member for the Society for Imaging Informatics in Medicine.

CLINICAL FOCUS

- Medical Informatics
- Fetal Imaging
- Pediatric Imaging
- Pediatric Radiology

ACADEMIC APPOINTMENTS

- Clinical Associate Professor, Radiology - Pediatric Radiology

PROFESSIONAL EDUCATION

- Fellowship: Cincinnati Children's Hospital and Medical Center Radiology Fellowships (2007) OH
- Board Certification: Clinical Informatics, American Board of Preventive Medicine (2014)
- Board Certification: Pediatric Radiology, American Board of Radiology (2009)
- Board Certification: Radiology, American Board of Radiology (2006)
- Residency: Henry Ford Health System (2006) MI

- Internship: Henry Ford Health System (2002) MI
- Medical Education: University of Toledo College of Medicine (2001) OH

Research & Scholarship

CLINICAL TRIALS

- Validation of an Artificial Intelligence-based Algorithm for Skeletal Age Assessment, Recruiting

Publications

PUBLICATIONS

- **Deep learning to automate Brasfield chest radiographic scoring for cystic fibrosis.** *Journal of cystic fibrosis : official journal of the European Cystic Fibrosis Society*
Zucker, E. J., Barnes, Z. A., Lungren, M. P., Shpanskaya, Y., Seekins, J. M., Halabi, S. S., Larson, D. B.
2019
- **The RSNA Pediatric Bone Age Machine Learning Challenge** *RADIOLOGY*
Halabi, S. S., Prevedello, L. M., Kalpathy-Cramer, J., Mamonov, A. B., Bilbily, A., Cicero, M., Pan, I., Pereira, L., Sousa, R., Abdala, N., Kitamura, F., Thodberg, H. H., Chen, et al
2019; 290 (2): 498–503
- **Deep Learning-Assisted Diagnosis of Cerebral Aneurysms Using the HeadXNet Model.** *JAMA network open*
Park, A., Chute, C., Rajpurkar, P., Lou, J., Ball, R. L., Shpanskaya, K., Jabarkheel, R., Kim, L. H., McKenna, E., Tseng, J., Ni, J., Wishah, F., Wittber, et al
2019; 2 (6): e195600
- **Obstetric and neonatal outcomes in pregnancies complicated by fetal lung masses: does final histology matter?**
Anderson, J. N., Girsen, A. I., Hintz, S. R., El-Sayed, Y. Y., Davis, A. S., Barth, R. A., Halabi, S., Sylvester, K. G., Bruzoni, M., Blumenfeld, Y. J.
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- **The RSNA Pediatric Bone Age Machine Learning Challenge.** *Radiology*
Halabi, S. S., Prevedello, L. M., Kalpathy-Cramer, J., Mamonov, A. B., Bilbily, A., Cicero, M., Pan, I., Pereira, L. A., Sousa, R. T., Abdala, N., Kitamura, F. C., Thodberg, H. H., Chen, et al
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- **Deep-learning-assisted diagnosis for knee magnetic resonance imaging: Development and retrospective validation of MRNet** *PLOS MEDICINE*
Bien, N., Rajpurkar, P., Ball, R. L., Irvin, J., Park, A., Jones, E., Bereket, M., Patel, B. N., Yeom, K. W., Shpanskaya, K., Halabi, S., Zucker, E., Fanton, et al
2018; 15 (11)
- **Deep learning for chest radiograph diagnosis: A retrospective comparison of the CheXNeXt algorithm to practicing radiologists.** *PLoS medicine*
Rajpurkar, P., Irvin, J., Ball, R. L., Zhu, K., Yang, B., Mehta, H., Duan, T., Ding, D., Bagul, A., Langlotz, C. P., Patel, B. N., Yeom, K. W., Shpanskaya, et al
2018; 15 (11): e1002686
- **Deep-learning-assisted diagnosis for knee magnetic resonance imaging: Development and retrospective validation of MRNet.** *PLoS medicine*
Bien, N., Rajpurkar, P., Ball, R. L., Irvin, J., Park, A., Jones, E., Bereket, M., Patel, B. N., Yeom, K. W., Shpanskaya, K., Halabi, S., Zucker, E., Fanton, et al
2018; 15 (11): e1002699
- **Deep learning for chest radiograph diagnosis: A retrospective comparison of the CheXNeXt algorithm to practicing radiologists** *PLOS MEDICINE*
Rajpurkar, P., Irvin, J., Ball, R. L., Zhu, K., Yang, B., Mehta, H., Duan, T., Ding, D., Bagul, A., Langlotz, C. P., Patel, B. N., Yeom, K. W., Shpanskaya, et al
2018; 15 (11)
- **Migrating to the Modern PACS: Challenges and Opportunities** *RADIOGRAPHICS*
Berkowitz, S. J., Wei, J. L., Halabi, S.
2018; 38 (6): 1761–72
- **Migrating to the Modern PACS: Challenges and Opportunities.** *Radiographics : a review publication of the Radiological Society of North America, Inc*
Berkowitz, S. J., Wei, J. L., Halabi, S.
2018; 38 (6): 1761–72

- **Performance of a Deep-Learning Neural Network Model in Assessing Skeletal Maturity on Pediatric Hand Radiographs** *RADIOLOGY*
Larson, D. B., Chen, M. C., Lungren, M. P., Halabi, S. S., Stence, N. V., Langlotz, C. P.
2018; 287 (1): 313–22
- **Translational Radiomics: Defining the Strategy Pipeline and Considerations for Application-Part 2: From Clinical Implementation to Enterprise** *JOURNAL OF THE AMERICAN COLLEGE OF RADIOLOGY*
Shaikh, F., Franc, B., Allen, E., Sala, E., Awan, O., Hendrata, K., Halabi, S., Mohiuddin, S., Malik, S., Hadley, D., Shrestha, R.
2018; 15 (3): 543–49
- **Data Science: Big Data, Machine Learning, and Artificial Intelligence** *JOURNAL OF THE AMERICAN COLLEGE OF RADIOLOGY*
Carlos, R. C., Kahn, C. E., Halabi, S.
2018; 15 (3): 497–98
- **Translational Radiomics: Defining the Strategy Pipeline and Considerations for Application-Part 1: From Methodology to Clinical Implementation** *JOURNAL OF THE AMERICAN COLLEGE OF RADIOLOGY*
Shaikh, F., Franc, B., Allen, E., Sala, E., Awan, O., Hendrata, K., Halabi, S., Mohiuddin, S., Malik, S., Hadley, D., Shrestha, R.
2018; 15 (3): 538–42
- **Imaging before 24 weeks gestation can predict neonatal respiratory morbidity in pregnancies complicated by fetal lung masses**
Sherwin, K., Girsen, A. I., Halabi, S. S., Spiegel, A. M., Lee, C. J., Hintz, S. R., El-Sayed, Y. Y., Barth, R. A., Blumenfeld, Y. J.
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- **Artificial Swarm Intelligence employed to Amplify Diagnostic Accuracy in Radiology**
Rosenberg, L., Lungren, M., Halabi, S., Willcox, G., Baltaxe, D., Lyons, M., Chakrabarti, S., Saha, H. N.
IEEE.2018: 1186–91
- **Evaluating the Effect of Unstructured Clinical Information on Clinical Decision Support Appropriateness Ratings.** *Journal of the American College of Radiology*
Moriarity, A. K., Green, A., Klochko, C., O'Brien, M., Halabi, S.
2017; 14 (6): 737-743
- **Technical Challenges in the Clinical Application of Radiomics** *JCO CLINICAL CANCER INFORMATICS*
Shaikh, F. A., Kolowitz, B. J., Awan, O., Aerts, H. J., von Reden, A., Halabi, S., Mohiuddin, S. A., Malik, S., Shrestha, R. B., Deible, C.
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- **Technical Challenges in the Clinical Application of Radiomics.** *JCO clinical cancer informatics*
Shaikh, F. A., Kolowitz, B. J., Awan, O., Aerts, H. J., von Reden, A., Halabi, S., Mohiuddin, S. A., Malik, S., Shrestha, R. B., Deible, C.
2017; 1: 1–8
- **Concierge and Second-Opinion Radiology: Review of Current Practices.** *Current problems in diagnostic radiology*
Shaikh, S., Bafana, R., Halabi, S. S.
2016; 45 (2): 111-114
- **Large intra-thoracic desmoid tumor with airway compression: A case report and review of the literature** *JOURNAL OF PEDIATRIC SURGERY CASE REPORTS*
Robinson, T. D., Bruzoni, M., Than, P., Halabi, S., Wall, J.
2016; 5: 15–18
- **Systematic Literature Review of Imaging Features of Spinal Degeneration in Asymptomatic Populations** *AMERICAN JOURNAL OF NEURORADIOLOGY*
Brinjikji, W., Luetmer, P. H., Comstock, B., Bresnahan, B. W., Chen, L. E., Deyo, R. A., Halabi, S., Turner, J. A., Avins, A. L., James, K., Wald, J. T., Kallmes, D. F., Jarvik, et al
2015; 36 (4): 811-816
- **The Effect of Clinical Decision Support for Advanced Inpatient Imaging** *JOURNAL OF THE AMERICAN COLLEGE OF RADIOLOGY*
Moriarity, A. K., Klochko, C., O'Brien, M., Halabi, S.
2015; 12 (4): 358-363
- **Improving the Application of Imaging Clinical Decision Support Tools: Making the Complex Simple** *JOURNAL OF THE AMERICAN COLLEGE OF RADIOLOGY*
Broder, J. S., Halabi, S. S.

