

# Stanford

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## David Larson

Professor of Radiology (Pediatric Radiology)

Radiology - Pediatric Radiology

### CLINICAL OFFICE (PRIMARY)

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### Bio

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#### BIO

David B. Larson, MD, MBA, is Professor of Radiology (Pediatric Radiology) and Executive Vice Chair in the Department of Radiology at Stanford University. He also serves as the Associate Chief Quality Officer for Improvement for Stanford Health Care, overseeing improvement training programs at SHC. Dr. Larson is a national thought leader in radiology quality improvement and patient safety, and a regular speaker regarding topics ranging from pediatric CT radiation dose optimization to radiology peer learning. He is the founder of Stanford's Realizing Improvement through Team Empowerment (RITE) program and co-founder of the Clinical Effectiveness Leadership Training (CELT) program, continuing to serve as co-executive director of both programs. He also founded and leads the Stanford Medicine Improvement Capability Development Program (ICDP) and the Advanced Course in Improvement Science (ACIS).

Dr. Larson is the founder and program chair for the annual Radiology Improvement Summit held annually at Stanford, which began in 2015. He currently serves on the Board of Trustees of the American Board of Radiology, overseeing quality and safety, and on the Board of Chancellors for the American College of Radiology as the chair of the ACR's Commission on Quality and Safety. He also founded and leads the ACR Learning Network, which was launched in 2021.

Prior to his position at Stanford, Dr. Larson was the Janet L. Strife Chair for Quality and Safety in Radiology and a faculty member of the James M. Anderson Center for Health Systems Excellence at Cincinnati Children's Hospital in Cincinnati, Ohio. He holds MD and MBA degrees from Yale University and completed his training at the University of Colorado Health Sciences Center in Denver, Colorado. Dr. Larson is a pediatric radiologist at Lucile Packard Children's Hospital at Stanford. He and his wife, Tara, live in Portola Valley, California and have four children.

#### CLINICAL FOCUS

- Pediatric Radiology

#### ACADEMIC APPOINTMENTS

- Professor - University Medical Line, Radiology - Pediatric Radiology

## ADMINISTRATIVE APPOINTMENTS

- Vice Chair for Education and Clinical Operations, Department of Radiology, (2017- present)

## PROFESSIONAL EDUCATION

- Medical Education: Yale School Of Medicine (2002) CT
- Internship: University of Colorado Pediatric Residency (2003) CO
- Fellowship: University of Colorado Pediatric Fellowship (2008) CO
- Residency: University of Colorado Radiology Residency (2007) CO
- Board Certification: Pediatric Radiology, American Board of Radiology (2010)
- Board Certification: Diagnostic Radiology, American Board of Radiology (2007)
- MBA, Yale University School of Management , CT (2002)

## Teaching

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### STANFORD ADVISEES

#### Postdoctoral Faculty Sponsor

Bonnie Armstrong, Alaa Youssef

#### Postdoctoral Research Mentor

Magdalini Paschali

## Publications

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### PUBLICATIONS

- **Invited Commentary: Understanding and Addressing Cognitive Biases in Radiology.** *Radiographics : a review publication of the Radiological Society of North America, Inc*  
Larson, D. B.  
2024; 44 (7): e230244
- **Improving Prostate MR Image Quality in Practice - Initial results from the ACR Prostate MR Image Quality Improvement Collaborative.** *Journal of the American College of Radiology : JACR*  
Puryrsko, A. S., Zacharias-Andrews, K., Tomkins, K. G., Turkbey, I. B., Giganti, F., Bhargavan-Chatfield, M., Larson, D. B., ACR Prostate MR Image Quality Improvement Collaborative, Weinreb, J., Tempany, C., Smith, C., Hester, A., Chang, K., et al  
2024
- **Proceedings from the 2022 ACR-RSNA Workshop on Safety, Effectiveness, Reliability, and Transparency in AI.** *Journal of the American College of Radiology : JACR*  
Larson, D. B., Doo, F. X., Allen, B., Mongan, J., Flanders, A. E., Wald, C.  
2024
- **A Vision for Global CT Radiation Dose Optimization.** *Journal of the American College of Radiology : JACR*  
Larson, D. B.  
2024
- **Perceptions of Data Set Experts on Important Characteristics of Health Data Sets Ready for Machine Learning: A Qualitative Study.** *JAMA network open*  
Ng, M. Y., Youssef, A., Miner, A. S., Sarellano, D., Long, J., Larson, D. B., Hernandez-Boussard, T., Langlotz, C. P.  
2023; 6 (12): e2345892
- **Organizational Factors in Clinical Data Sharing for Artificial Intelligence in Health Care.** *JAMA network open*  
Youssef, A., Ng, M. Y., Long, J., Hernandez-Boussard, T., Shah, N., Miner, A., Larson, D., Langlotz, C. P.  
2023; 6 (12): e2348422

- **Sustaining Mammography Image Quality With a Technologist Coaching Program in the Era of the Enhancing Quality Using the Inspection Program (EQUIP).** *Journal of breast imaging*  
Kozlov, A., Larson, D., DeMartini, W. B., Pal, S., Cowart, P., Strain, A., Ikeda, D. M.  
2023; 5 (6): 675-684
- **Establishing a Point-of-Care Ultrasound (POCUS) Program: An Institutional Approach for Developing a POCUS Program Infrastructure.** *Journal of the American College of Radiology : JACR*  
Shen, L., Lobo, V. E., Cordova, D., Larson, D. B., Kamaya, A.  
2023
- **Leveraging Quality Improvement Principles for Radiology Sustainability: Bridging Advocacy and Action.** *Journal of the American College of Radiology : JACR*  
Woolen, S. A., Larson, D. B., Lewis, G. M., Malik, K., Foster, C. A., Martin, M. F., Maturen, K. E.  
2023
- **Sustaining Mammography Image Quality With a Technologist Coaching Program in the Era of the Enhancing Quality Using the Inspection Program (EQUIP)** *JOURNAL OF BREAST IMAGING*  
Kozlov, A., Larson, D., Demartini, W. B., Pal, S., Cowart, P., Strain, A., Ikeda, D. M.  
2023
- **Response to: American College of Radiology Appropriateness Criteria®: A bibliometric analysis of panel members.** *Insights into imaging*  
Lockhart, M. E., Larson, D. B., Thorwarth, W. T.  
2023; 14 (1): 131
- **American College of Radiology initiatives on prostate magnetic resonance imaging quality.** *European journal of radiology*  
Puryrsko, A. S., Tempany, C., Macura, K. J., Turkbey, B., Rosenkrantz, A. B., Gupta, R. T., Attridge, L., Hernandez, D., Garcia-Tomkins, K., Bhargavan-Chatfield, M., Weinreb, J., Larson, D. B.  
2023; 165: 110937
- **Redesign of the American Board of Radiology Diagnostic Radiology Certifying Examination.** *AJR. American journal of roentgenology*  
Larson, D. B., Flemming, D. J., Barr, R. M., Canon, C. L., Morgan, D. E.  
2023
- **From Acceptable to Superlative: Scaling a Technologist Coaching Intervention to Improve Image Quality.** *Journal of the American College of Radiology : JACR*  
Hwang, G. L., Vilendrer, S., Amano, A., Brown-Johnson, C., Kling, S. M., Faust, A., Willis, M. H., Larson, D. B.  
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- **The ACR Learning Network: Facilitating Local Performance Improvement Through Shared Learning.** *Journal of the American College of Radiology : JACR*  
Larson, D. B., Tomkins, K. G., Zacharias-Andrews, K., Irani, N., Pittman, S. M., Puryrsko, A. S., Wandtke, B., Bhargavan-Chatfield, M.  
2023; 20 (3): 369-376
- **Organization-Wide Approaches to Foster Effective Unit-Level Efforts to Improve Clinician Well-Being.** *Mayo Clinic proceedings*  
Shanafelt, T. D., Larson, D., Bohman, B., Roberts, R., Trockel, M., Weinlander, E., Springer, J., Wang, H., Stolz, S., Murphy, D.  
2023; 98 (1): 163-180
- **Results of a virtual multi-institutional program for quality improvement training and project facilitation.** *Journal of the American College of Radiology : JACR*  
Miranda-Schaeubinger, M., Garcia Tomkins, K., Larsen, E., Rigby, V., White, A. M., Sze, R. W., Larson, D. B.  
2022
- **Evaluating clinician-led quality improvement initiatives: A system-wide embedded research partnership at Stanford Medicine.** *Learning health systems*  
Vilendrer, S., Saliba-Gustafsson, E. A., Asch, S. M., Brown-Johnson, C. G., Kling, S. M., Shaw, J. G., Winget, M., Larson, D. B.  
2022; 6 (4): e10335
- **Openness and Transparency in the Evaluation of Bias in Artificial Intelligence.** *Radiology*  
Larson, D. B.  
2022: 222263

- **Evaluating clinician-led quality improvement initiatives: A system-wide embedded research partnership at Stanford Medicine** *LEARNING HEALTH SYSTEMS*  
Vilendrer, S., Saliba-Gustafsson, E. A., Asch, S. M., Brown-Johnson, C. G., Kling, S. R., Shaw, J. G., Winget, M., Larson, D. B.  
2022
- **Implementation of Clinical Artificial Intelligence in Radiology: Who Decides and How?** *Radiology*  
Daye, D., Wiggins, W. F., Lungren, M. P., Alkasab, T., Kottler, N., Allen, B., Roth, C. J., Bizzo, B. C., Durniak, K., Brink, J. A., Larson, D. B., Dreyer, K. J., Langlotz, et al  
2022: 212151
- **ACR-RADS Programs Current State and Future Opportunities: Defining a Governance Structure to Enable Sustained Success.** *Journal of the American College of Radiology : JACR*  
Davenport, M. S., Chatfield, M., Hoang, J., Maturen, K. E., Obuchowski, N., Tse, J., Weinreb, J., Kaur, D., Attridge, L., Kurth, D., Larson, D.  
2022
- **Moving Toward Seamless Interinstitutional Electronic Image Transfer.** *Journal of the American College of Radiology : JACR*  
Larson, D. B., Krishnaraj, A., Mendelson, D. S., Langlotz, C. P., Wald, C.  
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- **Increasing the Utilization of Moderate Sedation Services for Pediatric Imaging.** *Radiographics : a review publication of the Radiological Society of North America, Inc*  
Zucker, E. J., Wintch, S., Chang, Y., Commerford, L., Diaz, R., Redfern, T. H., Wang, T. N., Lam, L., Frush, D. P., Larson, D. B.  
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- **Regulatory Frameworks for Development and Evaluation of Artificial Intelligence-Based Diagnostic Imaging Algorithms: Summary and Recommendations** *JOURNAL OF THE AMERICAN COLLEGE OF RADIOLOGY*  
Larson, D. B., Harvey, H., Rubin, D. L., Irani, N., Tse, J. R., Langlotz, C. P.  
2021; 18 (3): 413-24
- **Optimizing Professional Practice Evaluation to Enable a Nonpunitive Learning Health System Approach to Peer Review.** *Pediatric quality & safety*  
Sandborg, C. I., Hartman, G. E., Su, F., Williams, G., Teufe, B., Wixson, N., Larson, D. B., Donnelly, L. F.  
2021; 6 (1): e375
- **Artificial Intelligence Algorithm Improves Radiologist Performance in Skeletal Age Assessment: A Prospective Multicenter Randomized Controlled Trial.** *Radiology*  
Eng, D. K., Khandwala, N. B., Long, J., Fefferman, N. R., Lala, S. V., Strubel, N. A., Milla, S. S., Filice, R. W., Sharp, S. E., Towbin, A. J., Francavilla, M. L., Kaplan, S. L., Ecklund, et al  
2021: 204021
- **Program for Supporting Frontline Improvement Projects in an Academic Radiology Department.** *AJR. American journal of roentgenology*  
Larson, D. B., Kumar, S. n., Mickelsen, L. J., Cordova, D. A., Faust, A. N.  
2021: 1-10
- **CT Volumes from 2,398 Radiology Practices in the United States: A Real-Time Indicator of the Effect of COVID-19 on Routine Care, January to September 2020.** *Journal of the American College of Radiology : JACR*  
Davenport, M. S., Fruscello, T., Chatfield, M., Weinstein, S., Sensakovic, W. F., Larson, D. B.  
2020
- **Recognizing and Avoiding the Most Common Mistakes in Quality Improvement.** *Journal of the American College of Radiology : JACR*  
Larson, D. B., Willis, M. H., Hwang, G. L.  
2020
- **Critical Results in Radiology: Defined by Clinical Judgment or by a List?** *Journal of the American College of Radiology : JACR*  
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2020
- **Transitioning From Peer Review to Peer Learning: Report of the 2020 Peer Learning Summit.** *Journal of the American College of Radiology : JACR*  
Larson, D. B., Broder, J. C., Bhargavan-Chatfield, M., Donnelly, L. F., Kadom, N., Khorasani, R., Sharpe, R. E., Pahade, J. K., Moriarity, A. K., Tan, N., Siewert, B., Kruskal, J. B.  
2020

- **Ethics of Using and Sharing Clinical Imaging Data for Artificial Intelligence: A Proposed Framework.** *Radiology*  
Larson, D. B., Magnus, D. C., Lungren, M. P., Shah, N. H., Langlotz, C. P.  
2020: 192536
- **Automatic Extraction of Skeletal Maturity from Whole Body Pediatric Scoliosis X-rays Using Regional Proposal and Compound Scaling Convolutional Neural Networks**  
Ha, A., Vorhies, J., Champion, A., Fang, C., Fadell, M., Dou, S., Halabi, S., Larson, D., Wang, E., Lee, Y., Langner, J., Kaur, J., Do, et al  
IEEE COMPUTER SOC.2020: 996-1000
- **Needs of Referring Providers by Practice Type: Results of a Survey at an Academic Medical Center.** *AJR. American journal of roentgenology*  
Larson, D. B., Hwang, G. L.  
2020
- **Deep learning to automate Brasfield chest radiographic scoring for cystic fibrosis** *JOURNAL OF CYSTIC FIBROSIS*  
Zucker, E. J., Barnes, Z. A., Lungren, M. P., Shpanskaya, Y., Seekins, J. M., Halabi, S. S., Larson, D. B.  
2020; 19 (1): 131–38
- **Variables Influencing Radiology Volume Recovery During the Next Phase of the Coronavirus Disease 2019 (COVID-19) Pandemic.** *Journal of the American College of Radiology : JACR*  
Madhuripan, N. n., Man-Ching Cheung, H. n., Alicia Cheong, L. H., Jawahar, A. n., Willis, M. n., Larson, D. B.  
2020
- **Prospective Deployment of Deep Learning in MRI: A Framework for Important Considerations, Challenges, and Recommendations for Best Practices.** *Journal of magnetic resonance imaging : JMRI*  
Chaudhari, A. S., Sandino, C. M., Cole, E. K., Larson, D. B., Gold, G. E., Vasanawala, S. S., Lungren, M. P., Hargreaves, B. A., Langlotz, C. P.  
2020
- **Regulatory Frameworks for Development and Evaluation of Artificial Intelligence-Based Diagnostic Imaging Algorithms: Summary and Recommendations.** *Journal of the American College of Radiology : JACR*  
Larson, D. B., Harvey, H. n., Rubin, D. L., Irani, N. n., Tse, J. R., Langlotz, C. P.  
2020
- **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
- **Quality and safety in pediatric radiology.** *Pediatric radiology*  
Dillman, J. R., Larson, D. B.  
2019; 49 (4): 431–32
- **Quality and safety in pediatric radiology** *PEDIATRIC RADIOLOGY*  
Dillman, J. R., Larson, D. B.  
2019; 49 (4): 431-432
- **Measuring Diagnostic Radiologists: What Measurements Should We Use?** *JOURNAL OF THE AMERICAN COLLEGE OF RADIOLOGY*  
Davenport, M. S., Larson, D. B.  
2019; 16 (3): 333-335
- **Measuring Diagnostic Radiologists: What Measurements Should We Use?** *Journal of the American College of Radiology : JACR*  
Davenport, M. S., Larson, D. B.  
2019
- **Imaging Quality Control in the Era of Artificial Intelligence.** *Journal of the American College of Radiology : JACR*  
Larson, D. B., Boland, G. W.  
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., Haghighi, B., Ball, R., Shpanskaya, K., Seekins, J., Mong, D. A., Halabi, et al  
ASSOC ADVANCEMENT ARTIFICIAL INTELLIGENCE.2019: 590–97

- **Improving Automated Pediatric Bone Age Estimation Using Ensembles of Models from the 2017 RSNA Machine Learning Challenge.** *Radiology. Artificial intelligence*  
Pan, I. n., Thodberg, H. H., Halabi, S. S., Kalpathy-Cramer, J. n., Larson, D. B.  
2019; 1 (6): e190053
- **Re: "Reducing Variability of Radiation Dose in CT".** *Journal of the American College of Radiology : JACR*  
Larson, D. B.  
2018; 15 (12): 1669-70
- **Re: "Reducing Variability of Radiation Dose in CT"** *JOURNAL OF THE AMERICAN COLLEGE OF RADIOLOGY*  
Larson, D. B.  
2018; 15 (12): 1669-1670
- **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
- **Improving and Maintaining Radiologic Technologist Skill Using a Medical Director Partnership and Technologist Coaching Model** *AMERICAN JOURNAL OF ROENTGENOLOGY*  
Kagoma, Y. K., Netz, R. J., Strain, A., Larson, D. B.  
2018; 211 (5): 986-992
- **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)
- **Strategies for Implementing a Standardized Structured Radiology Reporting Program.** *Radiographics : a review publication of the Radiological Society of North America, Inc*  
Larson, D. B.  
2018; 38 (6): 1705-16
- **Strategies for Radiology to Thrive in the Value Era** *RADIOLOGY*  
Kruskal, J. B., Larson, D. B.  
2018; 289 (1): 3-7
- **Strategies for Implementing a Standardized Structured Radiology Reporting Program** *RADIOGRAPHICS*  
Larson, D. B.  
2018; 38 (6): 1705-1716
- **Strategies for Radiology to Thrive in the Value Era.** *Radiology*  
Kruskal, J. B., Larson, D. B.  
2018: 180190
- **Improving and Maintaining Radiologic Technologist Skill Using a Medical Director Partnership and Technologist Coaching Model.** *AJR. American journal of roentgenology*  
Kagoma, Y. K., Netz, R. J., Strain, A., Larson, D. B.  
2018: 1-7
- **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
- **Improving Performance of Mammographic Breast Positioning in an Academic Radiology Practice** *AMERICAN JOURNAL OF ROENTGENOLOGY*  
Pal, S., Ikeda, D. M., Jesinger, R. A., Mickelsen, L., Chen, C. A., Larson, D. B.  
2018; 210 (4): 807-15
- **Deep Learning to Classify Radiology Free-Text Reports** *RADIOLOGY*  
Chen, M. C., Ball, R. L., Yang, L., Moradzadeh, N., Chapman, B. E., Larson, D. B., Langlotz, C. P., Amrhein, T. J., Lungren, M. P.  
2018; 286 (3): 845-52

- **Practical Suggestions on How to Move From Peer Review to Peer Learning** *AMERICAN JOURNAL OF ROENTGENOLOGY*  
Donnelly, L. F., Larson, D. B., Heller, R. E., Kruskal, J. B.  
2018; 210 (3): 578–82
- **The Role of Radiology in the Diagnostic Process: Information, Communication, and Teamwork** *AMERICAN JOURNAL OF ROENTGENOLOGY*  
Larson, D. B., Langlotz, C. P.  
2017; 209 (5): 992–1000
- **Improving efficiency in the radiology department.** *Pediatric radiology*  
Towbin, A. J., Perry, L. A., Larson, D. B.  
2017; 47 (7): 783-792
- **Understanding and Applying the Concept of Value Creation in Radiology.** *Journal of the American College of Radiology*  
Larson, D. B., Durand, D. J., Siegal, D. S.  
2017
- **Reducing Functional MR Imaging Acquisition Times by Optimizing Workflow.** *Radiographics*  
Chwang, W. B., Iv, M., Smith, J., Kalnins, A., Mickelsen, J., Bammer, R., Fleischmann, D., Larson, D. B., Wintermark, M., Zeineh, M.  
2017; 37 (1): 316-322
- **Reducing Functional MR Imaging Acquisition Times by Optimizing Workflow** *RADIOGRAPHICS*  
Chwang, W. B., Iv, M., Smith, J., Kalnins, A., Mickelsen, J., Bammer, R., Fleischmann, D., Larson, D. B., Wintermark, M., Zeineh, M.  
2017; 37 (1): 315-321
- **The Use of Patient and Family Advisory Councils to Improve Patient Experience in Radiology.** *AJR. American journal of roentgenology*  
Kuhn, K. J., Mickelsen, L. J., Morimoto, L. N., Larson, D. B.  
2016; 207 (5): 965-970
- **Realizing Improvement through Team Empowerment (RITE): A Team-based, Project-based Multidisciplinary Improvement Program** *RADIOGRAPHICS*  
Larson, D. B., Mickelsen, L. J., Garcia, K.  
2016; 36 (7): 2169-2182
- **Realizing Improvement through Team Empowerment (RITE): A Team-based, Project-based Multidisciplinary Improvement Program.** *Radiographics*  
Larson, D. B., Mickelsen, L. J., Garcia, K.  
2016; 36 (7): 2170-2183
- **Peer Feedback, Learning, and Improvement: Answering the Call of the Institute of Medicine Report on Diagnostic Error.** *Radiology*  
Larson, D. B., Donnelly, L. F., Podberesky, D. J., Merrow, A. C., Sharpe, R. E., Kruskal, J. B.  
2016: 161254-?
- **Appendiceal ultrasound: the importance of conveying probability of disease** *PEDIATRIC RADIOLOGY*  
Trout, A. T., Larson, D. B.  
2015; 45 (13): 1930–31
- **Communicating Potential Radiation-Induced Cancer Risks From Medical Imaging Directly to Patients** *AMERICAN JOURNAL OF ROENTGENOLOGY*  
Lam, D. L., Larson, D. B., Eisenberg, J. D., Forman, H. P., Lee, C. I.  
2015; 205 (5): 962-970
- **Project Management for Quality Improvement in Radiology.** *AJR. American journal of roentgenology*  
Larson, D. B., Mickelsen, L. J.  
2015; 205 (5): W470-7
- **Added Value of Radiologist Consultation for Pediatric Ultrasound: Implementation and Survey Assessment.** *AJR. American journal of roentgenology*  
Zucker, E. J., Newman, B., Larson, D. B., Rubesova, E., Barth, R. A.  
2015; 205 (4): 822-826
- **Key Concepts of Patient Safety in Radiology** *RADIOGRAPHICS*  
Larson, D. B., Kruskal, J. B., Krecke, K. N., Donnelly, L. F.  
2015; 35 (6): 1677-1693

- **Root Cause Analysis: Learning from Adverse Safety Events** *RADIOGRAPHICS*  
Brook, O. R., Kruskal, J. B., Eisenberg, R. L., Larson, D. B.  
2015; 35 (6): 1655-1667
- **Conducting a Successful Practice Quality Improvement Project for American Board of Radiology Certification** *RADIOGRAPHICS*  
Lee, C. S., Wadhwa, V., Kruskal, J. B., Larson, D. B.  
2015; 35 (6): 1643-1651
- **Appendiceal diameter as a predictor of appendicitis in children: improved diagnosis with three diagnostic categories derived from a logistic predictive model** *EUROPEAN RADIOLOGY*  
Trout, A. T., Towbin, A. J., Fierke, S. R., Zhang, B., Larson, D. B.  
2015; 25 (8): 2231-2238
- **Tackling the problem of error in diagnostic radiology** *PEDIATRIC RADIOLOGY*  
Larson, D. B.  
2015; 45 (6): 790-792
- **Toward Large-Scale Process Control to Enable Consistent CT Radiation Dose Optimization** *AMERICAN JOURNAL OF ROENTGENOLOGY*  
Larson, D. B., Strauss, K. J., Podberesky, D. J.  
2015; 204 (5): 959-966
- **Radiologist Compliance With California CT Dose Reporting Requirements: A Single-Center Review of Pediatric Chest CT** *AMERICAN JOURNAL OF ROENTGENOLOGY*  
Zucker, E. J., Larson, D. B., Newman, B., Barth, R. A.  
2015; 204 (4): 810-816
- **Improvement in Diagnostic Accuracy of Ultrasound of the Pediatric Appendix Through the Use of Equivocal Interpretive Categories** *AMERICAN JOURNAL OF ROENTGENOLOGY*  
Larson, D. B., Trout, A. T., Fierke, S. R., Towbin, A. J.  
2015; 204 (4): 849-855
- **A Framework for Describing Health Care Delivery Organizations and Systems** *AMERICAN JOURNAL OF PUBLIC HEALTH*  
Pina, I. L., Cohen, P. D., Larson, D. B., Marion, L. N., Sills, M. R., Solberg, L. I., Zerzan, J.  
2015; 105 (4): 670-679
- **Beginner's Guide to Practice Quality Improvement Using the Model for improvement** *JOURNAL OF THE AMERICAN COLLEGE OF RADIOLOGY*  
Lee, C. S., Larson, D. B.  
2014; 11 (12): 1131-1136
- **Communication in diagnostic radiology: meeting the challenges of complexity.** *AJR. American journal of roentgenology*  
Larson, D. B., Froehle, C. M., Johnson, N. D., Towbin, A. J.  
2014; 203 (5): 957-964
- **Pediatric CT quality management and improvement program** *PEDIATRIC RADIOLOGY*  
Larson, D. B., Molvin, L. Z., Wang, J., Chan, F. P., Newman, B., Fleischmann, D.  
2014; 44: 519-524
- **Optimizing CT radiation dose based on patient size and image quality: the size-specific dose estimate method.** *Pediatric radiology*  
Larson, D. B.  
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