Stanford

Curtis Langlotz

Senior Associate Vice Provost for Research, Professor of Radiology (Integrative Biomedical Imaging Informatics), of Medicine, of Biomedical Data Science and Senior Fellow at the Stanford Institute for Human-Centered AI

CLINICAL OFFICE (PRIMARY)

- **Stanford Hospital and Clinics**

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ACADEMIC CONTACT INFORMATION

- **Administrative Contact**

  Jacqueline Thomas

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Bio

BIO

Dr. Langlotz is Professor of Radiology, Medicine, and Biomedical Data Science and Senior Associate Vice Provost for Research at Stanford University. His laboratory investigates the use of deep neural networks and other machine learning technologies to detect disease and eliminate diagnostic errors through analysis of medical images and clinical notes. He is a Senior Fellow at Stanford's Institute for Human-Centered Artificial Intelligence and Director of the Center for Artificial Intelligence in Medicine and Imaging (AIMI Center), which supports over 150 Stanford faculty conducting interdisciplinary artificial intelligence research that optimizes how clinical data are used to promote health.

He has published over 200 scholarly articles and is author of the book "The Radiology Report: A Guide to Thoughtful Communication for Radiologists and Other Medical Professionals". He has led many national and international efforts to improve the quality of radiology communication, including the RadLex™ terminology standard, the RadLex™ Playbook of radiology exam codes, the RSNA report template library, and a technical standard for communication of radiology templates.

Raised in St. Paul, Minnesota, Dr. Langlotz received his undergraduate degree in Human Biology, Master's in Computer Science, MD in Medicine, and PhD in Medical Information Science, all from Stanford University. He is a founder and past president of the Radiology Alliance for Health Services Research (RAHSR) and has served as president of the Society for Imaging Informatics in Medicine (SIIM), and the College of SIIM Fellows. He is a former board member of the Association of University Radiologists (AUR), the American Medical Informatics Association (AMIA) and the Society for Medical Decision Making (SMDM). He currently serves as President of the Radiological Society of North America (RSNA).

Dr. Langlotz is a recipient of the Lee B. Lusted Research Prize from the Society of Medical Decision Making and the Career Achievement Award from the Radiology Alliance for Health Services Research. He and his trainees have received numerous scientific awards, including seven best paper awards and five research career development grants. He has founded several healthcare information technology companies, including Montage Healthcare Solutions, which was acquired by Nuance Communications in 2016.

CLINICAL FOCUS

- Diagnostic Radiology

ACADEMIC APPOINTMENTS

- Professor - University Medical Line, Radiology
- Professor - University Medical Line, Computational Medicine
- Professor - University Medical Line, Department of Biomedical Data Science
- Senior Fellow, Institute for Human-Centered Artificial Intelligence (HAI)
- Member, Bio-X

ADMINISTRATIVE APPOINTMENTS

- Director, Center for Artificial Intelligence in Medicine and Imaging, (2018- present)
- Associate Director, Institute for Human-Centered Artificial Intelligence, (2023- present)
- Physician Lead, Imaging AI, Stanford Health Care, (2024- present)
- Associate Chair for Information Systems, Department of Radiology, (2014-2024)
- Medical Informatics Director for Radiology, Stanford Health Care, (2014-2024)

HONORS AND AWARDS

- Lee B. Lusted Research Prize, Society for Medical Decision Making (1986)
- GERRAF Career Development Award, Association of University Radiologists (1993)
- Best Information Technology Company, New Jersey Technology Council (2001)
- Fellow, American College of Medical Informatics (2008)
- Fellow, Society for Imaging Informatics in Medicine (2010)
- Lifetime Achievement Award, Radiology Alliance for Health Services Research (2017)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- President, Radiological Society of North America (2024 - 2025)
- Chair of the Board, Radiological Society of North America (2022 - 2023)
- Board of Directors, Radiological Society of North America (2016 - 2023)
- President, College of Imaging Informatics Fellows (2015 - 2018)
- President, Society for Imaging Informatics in Medicine (2006 - 2008)
- Board of Directors, Association for University Radiologists (2003 - 2010)
- Founder and President, Radiology Alliance for Health Services Research (2002 - 2004)
- Board of Trustees, Society for Medical Decision Making (1996 - 1998)

PROFESSIONAL EDUCATION

- Medical Education: Stanford University School of Medicine (1989) CA
- Residency: Hospital of the University of Pennsylvania, Department of Radiology (1994) PA
- Internship: Hospital of the University of Pennsylvania Primary Care (1990) PA
- AB, Stanford University , Human Biology (1981)
- MS, Stanford University , Computer Science: Artificial Intelligence (1983)
- MD, Stanford University , Medicine (1989)

- PhD, Stanford University , Medical Information Sciences (1989)
- Board Certification: Diagnostic Radiology, American Board of Radiology (1994)

PATENTS

- Curtis Langlotz. "United States Patent 6,366,683 Apparatus and Method for Recording Image Analysis Information", Radiological Society of North America, Apr 2, 2002

LINKS

- Center for Artificial Intelligence in Medicine and Imaging: https://aimi.stanford.edu/
- Langlotz Lab: https://langlotzlab.stanford.edu/
- Google Scholar: https://scholar.google.com/citations?user=WQkBYwQAAAAJ&hl=en
- @curtlanglotz: https://twitter.com/curtlanglotz
- Curt Langlotz: https://www.linkedin.com/in/langlotz/

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

My laboratory develops machine learning methods to help physicians detect disease and eliminate diagnostic errors. We are developing neural network systems that detect and classify disease on medical images. We also develop natural language processing methods that use the narrative radiology report for contrastive learning and other multi-modal methods that improve the accuracy and capability of machine learning systems. We are committed to the clinical evaluation and use of ideas conceived in the laboratory. When our results show potential, we disseminate them as open source or commercial software.

CLINICAL TRIALS

- Validation of an Artificial Intelligence-based Algorithm for Skeletal Age Assessment, Not Recruiting

Teaching

STANFORD ADVISEES

Postdoctoral Faculty Sponsor

Yunhe Gao, Chong Wang

Orals Evaluator

Maya Varma

Doctoral Dissertation Advisor (NonAC)

Maya Varma

Doctoral (Program)

Eva Prakash, Maya Varma

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Biomedical Data Science (Masters Program)
- Biomedical Data Science (Phd Program)
- Clinical Informatics (Fellowship Program)

Publications

PUBLICATIONS

- **Merlin: a computed tomography vision-language foundation model and dataset.** *Nature*
  Blankemeier, L., Kumar, A., Cohen, J. P., Liu, J., Liu, L., Van Veen, D., Gardezi, S. J., Yu, H., Paschali, M., Chen, Z., Delbrouck, J. B., Reis, E., Holland, et al
  2026

- **Large language models for simplifying radiology reports: a systematic review and meta-analysis of patient, public, and clinician evaluations.** *The Lancet. Digital health*
  Alabed, S., Anderson, A., Maiter, A., Hughes, A., McAnenly, N., Salehi, M., Sharkey, M., Dwivedi, K., Hokmabadi, A., Alahdab, F., Stevenson, M., Ma, N., Gaizauskas, et al
  2026: 100960

- **The Effect of AI on the Radiologist Workforce: A Task-Based Analysis.** *medRxiv : the preprint server for health sciences*
  Langlotz, C. P.
  2025

- **Generative artificial intelligence in medicine.** *Nature medicine*
  Teo, Z. L., Thirunavukarasu, A. J., Elangovan, K., Cheng, H., Moova, P., Soetikno, B., Nielsen, C., Pollreisz, A., Ting, D. S., Morris, R. J., Shah, N. H., Langlotz, C. P., Ting, et al
  2025

- **RadGPT: A system based on a large language model that generates sets of patient-centered materials to explain radiology report information.** *Journal of the American College of Radiology : JACR*
  Herwald, S. E., Shah, P., Johnston, A., Olsen, C., Delbrouck, J., Langlotz, C. P.
  2025

- **Best Practices for Large Language Models in Radiology.** *Radiology*
  Bluethgen, C., Van Veen, D., Zakka, C., Link, K. E., Fanous, A. H., Daneshjou, R., Frauenfelder, T., Langlotz, C. P., Gatidis, S., Chaudhari, A.
  2025; 315 (1): e240528

- **Developing a Research Center for Artificial Intelligence in Medicine.** *Mayo Clinic proceedings. Digital health*
  Langlotz, C. P., Kim, J., Shah, N., Lungren, M. P., Larson, D. B., Datta, S., Li, F. F., O'Hara, R., Montine, T. J., Harrington, R. A., Gold, G. E.
  2024; 2 (4): 677-686

- **A vision-language foundation model for the generation of realistic chest X-ray images.** *Nature biomedical engineering*
  Bluethgen, C., Chambon, P., Delbrouck, J. B., van der Sluijs, R., Połacin, M., Zambrano Chaves, J. M., Abraham, T. M., Purohit, S., Langlotz, C. P., Chaudhari, A. S.
  2024

- **Adapted large language models can outperform medical experts in clinical text summarization.** *Nature medicine*
  Van Veen, D., Van Uden, C., Blankemeier, L., Delbrouck, J. B., Aali, A., Bluethgen, C., Pareek, A., Polacin, M., Reis, E. P., Seehofnerová, A., Rohatgi, N., Hosamani, P., Collins, et al
  2024

- **RadGraph-XL: A Large-Scale Expert-Annotated Dataset for Entity and Relation Extraction from Radiology Reports**
  Delbrouck, J., Chambon, P., Chen, Z., Varma, M., Johnston, A., Blankemeier, L., Van Veen, D., Bui, T., Steven Truong, Langlotz, C. P.
  edited by Martins, A., Srikumar, Ku, L. W.
  ASSOC COMPUTATIONAL LINGUISTICS-ACL.2024: 12902-12915

- **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

- **The Future of AI and Informatics in Radiology: 10 Predictions.** *Radiology*
  Langlotz, C. P.
  2023; 309 (1): e231114

- **Automated deidentification of radiology reports combining transformer and "hide in plain sight" rule-based methods.** *Journal of the American Medical Informatics Association : JAMIA*
  Chambon, P. J., Wu, C., Steinkamp, J. M., Adleberg, J., Cook, T. S., Langlotz, C. P.
  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
- **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.
  1800
- **Automated coronary calcium scoring using deep learning with multicenter external validation.** *NPJ digital medicine*
  Eng, D., Chute, C., Khandwala, N., Rajpurkar, P., Long, J., Shleifer, S., Khalaf, M. H., Sandhu, A. T., Rodriguez, F., Maron, D. J., Seyyedi, S., Marin, D., Golub, et al
  2021; 4 (1): 88
- **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
- **Video-based AI for beat-to-beat assessment of cardiac function.** *Nature*
  Ouyang, D., He, B., Ghorbani, A., Yuan, N., Ebinger, J., Langlotz, C. P., Heidenreich, P. A., Harrington, R. A., Liang, D. H., Ashley, E. A., Zou, J. Y.
  2020; 580 (7802): 252-256
- **Geographic Distribution of US Cohorts Used to Train Deep Learning Algorithms.** *JAMA*
  Kaushal, A. n., Altman, R. n., Langlotz, C. n.
  2020; 324 (12): 1212–13
- **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
- **A Roadmap for Foundational Research on Artificial Intelligence in Medical Imaging: From the 2018 NIH/RSNA/ACR/The Academy Workshop** *RADIOLOGY*
  Langlotz, C. P., Allen, B., Erickson, B. J., Kalpathy-Cramer, J., Bigelow, K., Cook, T. S., Flanders, A. E., Lungren, M. P., Mendelson, D. S., Rudie, J. D., Wang, G., Kandarpa, K.
  2019; 291 (3): 781–91
- **Assessment of Convolutional Neural Networks for Automated Classification of Chest Radiographs** *RADIOLOGY*
  Dunnmon, J. A., Yi, D., Langlotz, C. P., Re, C., Rubin, D. L., Lungren, M. P.
  2019; 290 (2): 537–44
- **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
- **Will Artificial Intelligence Replace Radiologists?** *Radiology. Artificial intelligence*
  Langlotz, C. P.
  2019; 1 (3): e190058
- **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)

- **The LOINC RSNA radiology playbook - a unified terminology for radiology procedures** *JOURNAL OF THE AMERICAN MEDICAL INFORMATICS ASSOCIATION*
  Vreeman, D. J., Abhyankar, S., Wang, K. C., Carr, C., Collins, B., Rubin, D. L., Langlotz, C. P.
  2018; 25 (7): 885–92
- **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
- **The Radiology Report: A Guide to Thoughtful Communication for Radiologists and Other Medical Professionals (Book)**
  Langlotz, C. P.
  Amazon CreateSpace .2015
- **ACR BI-RADS for breast imaging communication: a roadmap for the rest of radiology.** *Journal of the American College of Radiology*
  Langlotz, C. P.
  2009; 6 (12): 861-863
- **Fundamental measures of diagnostic examination performance: Usefulness for clinical decision making and research** *RADIOLOGY*
  Langlotz, C. P.
  2003; 228 (1): 3-9
- **A METHODOLOGY FOR GENERATING COMPUTER-BASED EXPLANATIONS OF DECISION-THEORETIC ADVICE** *MEDICAL DECISION MAKING*
  Langlotz, C. P., Shortliffe, E. H., Fagan, L. M.
  1988; 8 (4): 290-303
- **ADAPTING A CONSULTATION SYSTEM TO CRITIQUE USER PLANS** *INTERNATIONAL JOURNAL OF MAN-MACHINE STUDIES*
  Langlotz, C. P., Shortliffe, E. H.
  1983; 19 (5): 479-496
- **Accuracy of a Deep Learning Model for Radiographic Pneumonia in Urgent Care Clinics**
  Sheth, R., Eve, J. R., Prakash, E., Hart, J. H., Kuttler, K., Haug, P. J., Carr, J. R., Langlotz, C. P., Dean, N. C.
  OXFORD UNIV PRESS.2026
- **Deep-learning based quantitative evaluation of postoperative atelectasis following right upper lobectomy.** *NPJ digital medicine*
  Kamtam, D. N., Facchi, G. M., Lin, N., Tsai, L. L., Lui, N. S., Elliott, I. A., Liou, D. Z., Backhus, L. M., Berry, M. F., Guo, H. H., Langlotz, C. P., Shrager, J. B.
  2026
- **A generalizable deep learning system for cardiac MRI.** *Nature biomedical engineering*
  Shad, R., Zakka, C., Kaur, D., Mathur, M., Fong, R., Cho, J., Filice, R. W., Mongan, J., Kallianos, K., Khandwala, N., Eng, D., Leipzig, M., Witschey, et al
  2026
- **EchoAtlas: A Conversational, Multi-View Vision-Language Foundation Model for Echocardiography Interpretation and Clinical Reasoning.** *medRxiv : the preprint server for health sciences*
  Chao, C. J., Asadi, M., Li, L., Ramasamy, G., Pecco, N., Wang, Y. C., Poterucha, T., Arsanjani, R., Kane, G., Oh, J. K., Banerjee, I., Langlotz, C., Fei-Fei, et al
  2026
- **From Detection to Mitigation: Addressing Bias in Deep Learning Models for Chest X-Ray Diagnosis.** *Pacific Symposium on Biocomputing. Pacific Symposium on Biocomputing*
  Mottez, C., Fay, L., Varma, M., Ostmeier, S., Langlotz, C.
  2026; 31: 538-550
- **Shaping the future of myopia: artificial intelligence for vitreoretinal complications of high and pathologic myopia.** *Graefe's archive for clinical and experimental ophthalmology = Albrecht von Graefes Archiv fur klinische und experimentelle Ophthalmologie*
  Mesfin, Y., Salvi, A., Arnal, L., Langlotz, C., Mahajan, V., Ludwig, C. A.
  2026

- **A multimodal retinal aging clock for biological age prediction and systemic health assessment via OCT and fundus imaging.** *Scientific reports*
  Ludwig, C. A., Salvi, A., Mesfin, Y., Arnal, L., Langlotz, C., Mahajan, V.
  2026
- **A deep learning-based automated pipeline for colorectal cancer detection in contrast-enhanced CT images.** *Computerized medical imaging and graphics : the official journal of the Computerized Medical Imaging Society*
  Qiu, C., Miller, S., Subramanian, B., Ryu, A., Zhang, H., Fisher, G. A., Shah, N. H., Mongan, J., Langlotz, C., Poullos, P., Shen, J.
  2026; 128: 102717
- **Effects of Real-Time Notification of AI-Derived Incidental Coronary Artery Calcium on Statin Initiation: the NOTIFY-PICTURE Trial**
  Dudum, R., Jain, S., Mastrodicasa, D., Ngo, S., Furst, A., Xu, S., Eng, D., Khandwala, N., Langlotz, C., Chaudhari, A., Sandhu, A., Maron, D., Rodriguez, et al
  LIPPINCOTT WILLIAMS & WILKINS.2025
- **EchoGraph system for automated quality assessment of echocardiography reports.** *NPJ digital medicine*
  Chao, C. J., Delbrouck, J. B., Asadi, M., Banerjee, I., Farina, J. M., Galasso, F., Mahmoud, A. K., Abbas, M. T., Wang, Y. C., Arsanjani, R., Kane, G. C., Oh, J. K., Erickson, et al
  2025
- **Leveraging large language models to extract smoking history from clinical notes for lung cancer surveillance.** *NPJ digital medicine*
  Luo, I., Graber-Naidich, A., Zhang, M., Kaushik, R., Nieda, G. M., Chen, T., Gu, B., Choi, E., Ding, V. Y., Gunturkun, F., Satoyoshi, M., Bhat, A., Lee, et al
  2025; 8 (1): 731
- **Improving Performance, Robustness, and Fairness of Radiographic AI Models with Finely-Controllable Synthetic Data.** *Research square*
  Moroianu, S. L., Bluethgen, C., Chambon, P., Cherti, M., Delbrouck, J. B., Paschali, M., Price, B., Gichoya, J., Jitsev, J., Langlotz, C. P., Chaudhari, A. S.
  2025
- **Effects of Real-Time Notification of AI-Detected Incidental Coronary Artery Calcium on Statin Prescription: the NOTIFY-PICTURE Trial.** *Circulation*
  Dudum, R., Jain, S. S., Mastrodicasa, D., Furst, A., Xu, S., Ngo, S., Eng, D., Khandwala, N., Sousa, D., Chaudhari, A., Langlotz, C., Sandhu, A. T., Maron, et al
  2025
- **STARC-9: A Large-scale Dataset for Multi-Class Tissue Classification for CRC Histopathology.** *ArXiv*
  Subramanian, B., Jeyaraj, R., Peterson, M. N., Guo, T., Shah, N., Langlotz, C., Ng, A. Y., Shen, J.
  2025
- **Deep Learning Algorithm Prognosticating Retinal Tears and Detachments From Optical Coherence Tomography.** *Translational vision science & technology*
  Salvi, A., Mesfin, Y., Arnal, L., Langlotz, C., Mahajan, V., Ludwig, C. A.
  2025; 14 (11): 18
- **A Multi-Task Deep Learning Model for Pediatric Echocardiography Analysis.** *medRxiv : the preprint server for health sciences*
  Joseph, C., Mrudang, M., Dhamanpreet, K., Matthew, D., Adil, D., Aravind, K., Matthew, L., Rohan, S., Gonzalez, A. K., Joseph, L., Christa, S., Robyn, F., Abhinav, et al
  2025
- **Socioeconomic Inequalities and Lung Cancer Outcomes: Evidence From an Integrated EHR Database and State Cancer Registry Data**
  Lee, T. Y., Su, C. C., Choi, E., Ding, V. Y., Satoyoshi, M., Bhat, A., Chen, T., Luo, I., Liu, Y., Henry, S., Backhus, L. M., Ellis-Caleo, T. J., Gomez, et al
  ELSEVIER SCIENCE INC.2025
- **Large Language Models to Extract Smoking History From Clinical Notes in EHR to Evaluate Lung Cancer Surveillance Strategies**
  Luo, I., Graber-Naidich, A., Kaushik, R., Nieda, G. M., Choi, E., Ding, V. Y., Gunturkun, F., Satoyoshi, M., Bhat, A., Chen, T., Zhang, M., Lee, T., Su, et al
  ELSEVIER SCIENCE INC.2025
- **Reply.** *Journal of the American College of Radiology : JACR*
  Herwald, S. E., Shah, P., Johnston, A., Olsen, C., Delbrouck, J., Langlotz, C. P.

2025

- **Automatic Abstraction of Computed Tomography Imaging Indication Using Natural Language Processing for Evaluation of Surveillance Patterns in Long-Term Lung Cancer Survivors.** *JCO clinical cancer informatics*
  Khan, A., Choi, E., Su, C., Graber-Naidich, A., Henry, S., Satoyoshi, M. L., Bhat, A., Kurian, A. W., Liang, S. Y., Neal, J., Gould, M., Leung, A., Wakelee, et al
  2025; 9: e2400279

- **Foundation versus domain-specific models for left ventricular segmentation on cardiac ultrasound.** *NPJ digital medicine*
  Chao, C. J., Gu, Y. R., Kumar, W., Xiang, T., Appari, L., Wu, J., Farina, J. M., Wraith, R., Jeong, J., Arsanjani, R., Kane, G. C., Oh, J. K., Langlotz, et al
  2025; 8 (1): 341

- **Enabling national identification of lung cancer screening eligibility with large language models.**
  Wu, J., Conover, S., Su, C., Corrigan, J., Culnan, J., Liu, Y., Kelley, M. J., Do, N., Arya, S., Harris, A. H. S., Langlotz, C., Wiener, R., Branch-Elliman, et al
  LIPPINCOTT WILLIAMS & WILKINS.2025: e13613

- **A Dataset for Understanding Radiologist-Artificial Intelligence Collaboration.** *Scientific data*
  Moehring, A., Kutwal, M., Huang, R., Banerjee, O., Jacobi, A., Eber, C., Mendoza, D., Chung, M., Dayan, E., Gupta, Y., Bui, T. D., Truong, S. Q., Pareek, et al
  2025; 12 (1): 739

- **Evaluating large language models in echocardiography reporting: opportunities and challenges.** *European heart journal. Digital health*
  Chao, C. J., Banerjee, I., Arsanjani, R., Ayoub, C., Tseng, A., Delbrouck, J. B., Kane, G. C., Lopez-Jimenez, F., Attia, Z., Oh, J. K., Erickson, B., Fei-Fei, L., Adeli, et al
  2025; 6 (3): 326-339

- **Leveraging Generative Pre-trained Transformer (GPT) Large Language Models (LLMs) For Interstitial Lung Diseases (ILD) Clinical Research**
  Chen, S., Maddali, M., Bluethgen, C., Langlotz, C. P., Raj, R.
  AMER THORACIC SOC.2025

- **Framework for Environmentally Sustainable Radiology: Call for Collaborative Action and a Health-Centered Focus.** *Radiology*
  Hanneman, K., Redenius, I., Dewey, M., Kielar, A., Dobranowski, J., Bellin, M. F., Tasu, J. P., Aida, N., Jinzaki, M., Tomiyama, N., Halliday, K., Harden, S., Reichardt, et al
  2025; 315 (1): e250070

- **Time-to-Event Pretraining for 3D Medical Imaging.** *... International Conference on Learning Representations*
  Huo, Z., Fries, J. A., Lozano, A., Valanarasu, J. M., Steinberg, E., Blankemeier, L., Chaudhari, A. S., Langlotz, C., Shah, N. H.
  2025; 2025: 100815-100851

- **Time-to-Event Pretraining for 3D Medical Imaging.** *... International Conference on Learning Representations*
  Huo, Z., Fries, J. A., Lozano, A., Valanarasu, J. M., Steinberg, E., Blankemeier, L., Chaudhari, A. S., Langlotz, C., Shah, N. H.
  2025; 2025: 100815-100851

- **A clinically accessible small multimodal radiology model and evaluation metric for chest X-ray findings.** *Nature communications*
  Zambrano Chaves, J. M., Huang, S. C., Xu, Y., Xu, H., Usuyama, N., Zhang, S., Wang, F., Xie, Y., Khademi, M., Yang, Z., Awadalla, H., Gong, J., Hu, et al
  2025; 16 (1): 3108

- **Evaluating large language models in echocardiography reporting: opportunities and challenges** *EUROPEAN HEART JOURNAL - DIGITAL HEALTH*
  Chao, C., Banerjee, I., Arsanjani, R., Ayoub, C., Tseng, A., Delbrouck, J., Kane, G. C., Lopez-Jimenez, F., Attia, Z., Oh, J. K., Erickson, B., Fei-Fei, L., Adeli, et al
  2025

- **Crucial Role of Understanding in Human-Artificial Intelligence Interaction for Successful Clinical Adoption.** *Korean journal of radiology*
  Park, S. H., Langlotz, C. P.
  2025

- **FUTURE-AI: international consensus guideline for trustworthy and deployable artificial intelligence in healthcare.** *BMJ (Clinical research ed.)*
  Lekadir, K., Frangi, A. F., Porras, A. R., Glocker, B., Cintas, C., Langlotz, C. P., Weicken, E., Asselbergs, F. W., Prior, F., Collins, G. S., Kaissis, G., Tsakou, G., Buvat, et al
  2025; 388: e081554

- **Foundation Models in Radiology: What, How, Why, and Why Not.** *Radiology*
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