Stanford



Matthew Petterson

Clinical Assistant Professor, Radiology

CLINICAL OFFICE (PRIMARY)

- **Stanford Musculoskeletal Imaging**

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Bio

CLINICAL FOCUS

- Diagnostic Radiology

ACADEMIC APPOINTMENTS

- Clinical Assistant Professor, Radiology

PROFESSIONAL EDUCATION

- Board Certification: Diagnostic Radiology, American Board of Radiology (2022)
- Fellowship, Stanford University , Musculoskeletal Imaging (2022)
- Residency, University of Wisconsin Hospital and Clinics , Diagnostic Radiology (2021)
- Internship, University of Wisconsin Hospital and Clinics , Internal Medicine (2017)
- Medical School, The University of Arizona College of Medicine - Phoenix (2016)

Publications

PUBLICATIONS

- **Comparison of accelerated MRI protocol approaches for clinical assessment of the knee.** *Skeletal radiology*
  Goyal, A., MacKay, J., Petterson, M., van der Heijden, R., Stevens, K., Yoon, M., Liang, T., Wong, J., Chaudhari, A., Kogan, F.
  2026
- **Accelerating a Knee MRI Protocol.** *AJR. American journal of roentgenology*
  Gitto, S., Hirschmann, A., Petterson, M. B., Roemer, F. W., Wong, S.
  2026
- **Assessing Completeness of Clinical Histories Accompanying Imaging Orders Using Adapted Open-Source and Closed-Source Large Language Models.** *Radiology*
  Larson, D. B., Koirala, A., Cheuy, L. Y., Paschali, M., Van Veen, D., Na, H. S., Petterson, M. B., Fang, Z., Chaudhari, A. S.
  2025; 314 (2): e241051

- **MRI-based Neuropathy Score Reporting And Data System (NS-RADS): multi-institutional wider-experience usability study of peripheral neuropathy conditions among 32 radiology readers.** *European radiology*
  Chhabra, A., Duarte Silva, F., Mogharrabi, B., Guirguis, M., Ashikyan, O., Rasper, M., Park, E., Walter, S. S., Umpierrez, M., Pezeshk, P., Thurlow, P. C., Jagadale, A., Bajaj, et al
  2024

- **Charges for Shoppable Musculoskeletal Imaging Examinations: CMS Transparency Compliance and Variability Among 250 U.S. Hospitals.** *AJR. American journal of roentgenology*
  Petterson, M. B., Willis, M. H., Rosenberg, J. K., Boutin, R. D.
  1800

- **Measuring interdisciplinarity of biomedical research, medical specialty performance, and implications for radiology: A retrospective review of 2.6 million citations.** *Clinical imaging*
  Petterson, M. B., Longhurst, C., Yu, J. J.
  2021; 80: 322-328

- **Use of breast imaging-reporting and data system (BI-RADS) ultrasound classification in pediatric and adolescent patients overestimates likelihood of malignancy** *JOURNAL OF PEDIATRIC SURGERY*
  Davis, J., Liang, J., Roh, A., Kittrell, L., Petterson, M., Winton, L., Connell, M., Viscusi, R., Komenaka, I., Jamshidi, R.
  2021; 56 (5): 1000-1003

- **Risk Factors for Late Screening Mammography** *CURRENT PROBLEMS IN DIAGNOSTIC RADIOLOGY*
  Davis, J., Liang, J., Petterson, M. B., Roh, A. T., Chundu, N., Kang, P., Matz, S. L., Connell, M. J., Gridley, D. G.
  2019; 48 (1): 40-44

- **Micrometastatic gastric glomus tumour confirmed by next-generation sequencing** *HISTOPATHOLOGY*
  Davis, J., Petterson, M., Newell, J., Lauwers, G. Y., Royce, T., Demeure, M. J.
  2018; 72 (2): 351-354

- **Computed tomography localization of the appendix in the pediatric population relative to the lumbar spine** *PEDIATRIC RADIOLOGY*
  Davis, J., Roh, A. T., Petterson, M. B., Kopelman, T. R., Matz, S. L., Gridley, D. G., Connell, M. J.
  2017; 47 (3): 301-305