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CLINICAL OFFICE (PRIMARY)

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Bio

CLINICAL FOCUS

- Diagnostic Radiology
- Cardiovascular Imaging
- Thoracic Imaging

HONORS AND AWARDS

- University Medalist, Louisiana State University (2008)
- Doris Duke Clinical Research Fellow, Doris Duke Charitable Foundation (2011-2012)

PROFESSIONAL EDUCATION

- Fellowship: Stanford University Radiology Fellowships (2021) CA
- Board Certification: Diagnostic Radiology, American Board of Radiology (2019)
- Fellowship: Stanford University Radiology Fellowships (2019) CA
- Residency: Aurora St Lukes Medical Center Radiology Residency (2018) WI
- Internship: Aurora St Lukes Medical Center Transitional Year Residency (2014) WI
- Medical Education: Louisiana State University Health and Sciences Center Registrar (2013) LA

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

cardiovascular and thoracic imaging research; interested trainees or collaborators may contact me at mmadani@stanford.edu

Publications

PUBLICATIONS

- **Subacute pacemaker lead migration with cardiac perforation and extracardiac extension into lung parenchyma with associated pneumothorax.** *Radiology case reports*
  Liang, A., Starr, V. L., Adodra, S., Anchala, P., Madani, M. H.
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- **Pulmonary artery enlargement predicts mortality on low-dose lung cancer screening CT.** *Clinical imaging*
  Zoghi, S., Rokni, M., Abdelhafez, Y. G., Nardo, L., Madani, M. H.
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- **Deep reinforcement learning for automatic anatomic CT landmark localization in Stanford Type B aortic dissection.** *Radiology advances*
  Bäumler, K., Codari, M., Mastrodicasa, D., Mistelbauer, G., Willemink, M. J., Walters, S., Hinostroza, V., Turner, V., Chepelev, L., Sriprachyakul, A., Madani, M. H., Ewane, A., Chen, et al
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- **Reproducibility of the 2020 Society for Vascular Surgery/Society of Thoracic Surgeons Reporting Standards for Uncomplicated Type B Aortic Dissection.** *Radiology. Cardiothoracic imaging*
  Sriprachyakul, A., Mastrodicasa, D., Willemink, M. J., Mistelbauer, G., Shen, J., Yang, I., Hallett, R. L., Malik, S. B., Madani, M. H., Lai, K. M., Hinostroza, V., Stern, J. R., Tran, et al
  2025; 7 (6): e240325

- **Iatrogenic chest tube placement within the heart following a large pneumothorax.** *Radiology case reports*
  Zoghi, S., Brock, C. L., Atsina, K., Abdelhafez, Y. G., Sen, F., Nardo, L., Madani, M. H.
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- **A multireader, multicase study comparing ultra-high-resolution and conventional-resolution computed tomography for lung nodule characterization.** *Journal of clinical imaging science*
  Hernandez, A. M., Chen, A. F., Sen, F., Mitchell, A. S., McKenney, S. E., Nardo, L., Abbey, C. K., Madani, M. H.
  2025; 15: 25

- **Diagnostic accuracy in NSCLC lymph node staging with Total-Body and conventional PET/CT.** *European journal of nuclear medicine and molecular imaging*
  Mingels, C., Madani, M. H., Sen, F., Nalbant, H., Riess, J. W., Abdelhafez, Y. G., Ghasemiesfe, A., Rominger, A., Guindani, M., Badawi, R. D., Spencer, B. A., Nardo, L.
  2025; 52 (9): 3190-3198

- **Incidental Myocardial Infarction on Routine Non-Gated Thoracic Computed Tomography.** *Current medical imaging*
  Rokni, M., Abdelhafez, Y. G., Nardo, L., Madani, M. H.
  2025; 21: e15734056363863

- **Predicting Late Adverse Events in Uncomplicated Stanford Type B Aortic Dissection: Results From the ROADMAP Validation Study.** *Circulation. Cardiovascular imaging*
  Fleischmann, D., Mastrodicasa, D., Willemink, M. J., Turner, V. L., Hinostroza, V., Burris, N. S., Yang, B., Hanneman, K., Ouzounian, M., Ocazionez Trujillo, D., Afifi, R. O., Estrera, A. L., Lacomis, et al
  2025; 18 (2): e016766

- **Traumatic injury of the left anterior descending coronary artery with fistula to the right ventricular outflow tract postgunshot wound.** *Radiology case reports*
  Zeidan, S., Atsina, K., Jimenez, S., Madani, M. H.
  2024; 19 (12): 6465-6469

- **Evaluation of responses to cardiac imaging questions by the artificial intelligence large language model ChatGPT.** *Clinical imaging*
  Monroe, C. L., Abdelhafez, Y. G., Atsina, K., Aman, E., Nardo, L., Madani, M. H.
  2024; 112: 110193

- **Volumetric Analysis: Effect on Diagnosis and Management of Indeterminate Solid Pulmonary Nodules in Routine Clinical Practice.** *Journal of computer assisted tomography*

Lim, R. S., Rosenberg, J., Willemink, M. J., Cheng, S. N., Guo, H. H., Hollett, P. D., Lin, M. C., Madani, M. H., Martin, L., Pogatchnik, B. P., Pohlen, M., Shen, J., Tsai, et al
2024

- **Natural History of Lung Hernias.** *Respiration; international review of thoracic diseases*
  Madani, M. H., Abdelhafez, Y. G., Nardo, L.
  2023; 102 (9): 843-851

- **Imaging of lung cancer.** *Current problems in cancer*
  Madani, M. H., Riess, J. W., Brown, L. M., Cooke, D. T., Guo, H. H.
  2023: 100966

- **Nonsurgical Therapy for Early-Stage Lung Cancer.** *Hematology/oncology clinics of North America*
  Daly, M. E., Beagen, P., Madani, M. H.
  2023; 37 (3): 499-512

- **Osimertinib in NSCLC With Atypical EGFR-Activating Mutations: A Retrospective Multicenter Study.** *JTO clinical and research reports*
  Ji, J., Aredo, J. V., Piper-Vallillo, A., Huppert, L., Rotow, J. K., Husain, H., Stewart, S., Cobb, R., Wakelee, H. A., Blakely, C. M., Wong, M. L., Gubens, M. A., Madani, et al
  2023; 4 (3): 100459

- **Limited Aortic Intimal Tears: CT Imaging Features and Clinical Characteristics.** *Radiology. Cardiothoracic imaging*
  Madani, M. H., Turner, V. L., Hallett, R. L., Willemink, M. J., Murillo, H., Chin, A. S., Berry, G. J., Fleischmann, D.
  2022; 4 (6): e220155

- **Inter-observer variability of expert-derived morphologic risk predictors in aortic dissection.** *European radiology*
  Willemink, M. J., Mastrodicasa, D., Madani, M. H., Codari, M., Chepelev, L. L., Mistelbauer, G., Hanneman, K., Ouzounian, M., Ocazionez, D., Afifi, R. O., Lacomis, J. M., Lovato, L., Pacini, et al
  2022

- **Pericardial computed tomography imaging findings in the setting of coccidioidomycosis.** *BMC infectious diseases*
  Madani, M. H., Ghasemiesfe, A., Abdelhafez, Y. G., Nardo, L.
  2022; 22 (1): 623

- **Aorto-iliac/right leg arterial thrombosis necessitating limb amputation, pulmonary arterial, intracardiac, and ilio-caval venous thrombosis in a 40-year-old with COVID-19.** *Clinical imaging*
  Madani, M. H., Leung, A. N., Becker, H. C., Chan, F. P., Fleischmann, D. n.
  2021; 75: 1–4

- **Traumatic Pneumothorax Presenting as a Subcutaneous "Airball".** *American journal of respiratory and critical care medicine*
  Madhok, J. n., Madani, M. H., Leung, A. N., Mihm, F. n.
  2020

- **Machine learning for endoleak detection after endovascular aortic repair.** *Scientific reports*
  Talebi, S. n., Madani, M. H., Madani, A. n., Chien, A. n., Shen, J. n., Mastrodicasa, D. n., Fleischmann, D. n., Chan, F. P., Mofrad, M. R.
  2020; 10 (1): 18343

- **Could contrast-enhanced cardiovascular MRI potentially be used to screen pediatric cardiac transplant patients for transplant coronary artery disease?** *Expert review of cardiovascular therapy*
  Caruthers, S. D., Madani, M. H., Wickline, S. A., Canter, C. E.
  2012; 10 (12): 1459-61

- **Noninvasive detection of transplant coronary artery disease with contrast-enhanced cardiac MRI in pediatric cardiac transplants.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
  Madani, M. H., Canter, C. E., Balzer, D. T., Watkins, M. P., Wickline, S. A.
  2012; 31 (11): 1234-5