

## Sachin Basiq Malik

Clinical Associate Professor, Radiology

### CLINICAL OFFICE (PRIMARY)

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### Bio

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#### CLINICAL FOCUS

- Diagnostic Radiology

#### ACADEMIC APPOINTMENTS

- Clinical Associate Professor, Radiology

#### PROFESSIONAL EDUCATION

- Board Certification: Diagnostic Radiology, American Board of Radiology (2016)
- Residency: Kaiser Permanente Los Angeles Radiology Residency (2015) CA
- Internship: Kaiser Permanente Los Angeles Internal Medicine Residency (2011) CA
- Medical Education: Case Western Reserve School of Medicine (2010) OH
- Fellowship: Duke University Hospital (2016) NC

### Publications

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#### PUBLICATIONS

- **Per-vessel myocardial blood flow improvement after coronary artery bypass graft surgery quantified by CT myocardial perfusion imaging.** *Journal of cardiovascular computed tomography*  
Seresti, A., Castillo, E., Fahmy, S., Menon, K., Ahmed, A. H., Aung, P. P., Malik, S. B., Nguyen, P. K., Boyd, J., Marsden, A. L., Khan, M. O., Nieman, K.  
2026
- **Management of a Chronically Infolded Self-Expanding Aortic Valve.** *JACC. Case reports*  
Hu, S., Amponsah, D., Malik, S., Nguyen, P., Mantri, N., Elorbany, R., Watkins, A. C., Lin, Y., Kang, G.  
2026: 107362
- **ACR Appropriateness Criteria® Preprocedural Chest or Cardiac Imaging for Cardiothoracic Surgery.** *Journal of the American College of Radiology : JACR*  
Malik, S. B., Moore, W. H., Ghoshhajra, B. B., Walker, C. M., Litmanovich, D., Little, B. P., Bang, T. J., Brixey, A. G., Desai, M., Einstein, A. J., Fujikura, K., Goldstein, A., Kallianos, et al  
2026
- **Prospective MR Evaluation of Endolymphatic Hydrops Using Half-dose Gadopiclenol.** *AJNR. American journal of neuroradiology*  
Christodoulou, R., Fischbein, N., Blevins, N., Malik, S., Landegger, L. D., Fu, F., Pham, N.  
2026

- **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., Willeminck, 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
- **Prospective MR Evaluation of Endolymphatic Hydrops at Multiple Flip Angles Using Single-Dose Gadolinium Contrast.** *AJNR. American journal of neuroradiology*  
Pham, N., Kullar, P., Fischbein, N., Malik, S., Landegger, L. D., Fu, F., Blevins, N.  
2025
- **Performance of AI-Based Tool for Coronary Plaque Quantification from CCTA: SALIENT-CAD Study**  
Gahungu, N., Chow, B., Nieman, K., Polsani, V., Srichai, M., Subramanian, S., Malik, S., Jokerst, C. E., Mammarrappallil, J., Denston, N., Kwok, S., Konstantopoulos, J., Dwivedi, et al  
ELSEVIER SCIENCE INC.2025
- **Accuracy of an AI-Enabled Tool for Coronary Stenosis Grading from CCTA: Comparison of Fully Automated and Reader-Assisted Analyses**  
Gahungu, N., Chow, B., Nieman, K., Polsani, V., Srichai, M., Subramanian, S., Malik, S., Jokerst, C. E., Mammarrappallil, J., Kwok, S., Denston, N., Konstantopoulos, J., Dwivedi, et al  
ELSEVIER SCIENCE INC.2025
- **ACR Appropriateness Criteria® Evaluation of Coronary Artery Anomalies.** *Journal of the American College of Radiology : JACR*  
Fuss, C., McCallum, R., Ghoshhajra, B. B., Litmanovich, D., Agarwal, P. P., Bloom, S., Brown, W. M., Chelliah, A., De Cecco, C. N., Frommelt, P., Kallianos, K., Malik, S. B., Mavroudis, et al  
2025; 22 (5S): S234-S242
- **ACR Appropriateness Criteria® Assessment of Cardiac Function and Baseline Cardiac Risk Stratification in Oncology Patients.** *Journal of the American College of Radiology : JACR*  
Meyersohn, N. M., Parakh, A., Ghoshhajra, B. B., Agarwal, P. P., Bourque, J. M., Chamarthy, M. R., De Cecco, C. N., Ehrhardt, M., Fuss, C., Kallianos, K., Lopez-Mattei, J. C., Malik, S. B., Manisty, et al  
2025; 22 (5S): S67-S78
- **ACR Appropriateness Criteria Preprocedural Planning for Left Atrial Procedures in Atrial Fibrillation.** *Journal of the American College of Radiology : JACR*  
Expert Panel on Cardiac Imaging, Agarwal, P. P., Nasr, L. A., Ghoshhajra, B. B., Brown, R. K., Collier, P., De Cecco, C. N., Fuss, C., Goldstein, J. N., Kallianos, K., Malik, S. B., Maroules, C. D., Meyersohn, N. M., et al  
2024; 21 (6S): S237-S248
- **Uncommon presentations of type A quadricuspid aortic valve in the Septuagenarian.** *Journal of cardiothoracic surgery*  
Choi, P., Paulsen, M., Lin, Y., Moskaliuk, W., Ji, A., Jackson, E., Malik, S., Burton, E., Woo, Y. J., Burdon, T.  
2024; 19 (1): 301
- **Personalized coronary and myocardial blood flow models incorporating CT perfusion imaging and synthetic vascular trees.** *Npj imaging*  
Menon, K., Khan, M. O., Sexton, Z. A., Richter, J., Nguyen, P. K., Malik, S. B., Boyd, J., Nieman, K., Marsden, A. L.  
2024; 2 (1): 9
- **Implicit screening of abdominal aortic aneurysms among veterans using lumbar spine MRI.** *Current problems in diagnostic radiology*  
Mashhood, A., Malik, S., Yoon, B. C.  
2024
- **The Prognostic Value of Qualitative and Quantitative Stress CMR in Patients with Known or Suspected CAD.** *JACC. Cardiovascular imaging*  
Yarahmadi, P., Forouzannia, S. M., Forouzannia, S. A., Malik, S. B., Yousefifard, M., Nguyen, P. K.  
2023
- **Performance of alternative manual and automated deep learning segmentation techniques for the prediction of benign and malignant lung nodules.** *Journal of medical imaging (Bellingham, Wash.)*  
Selby, H. M., Mukherjee, P., Parham, C., Malik, S. B., Gevaert, O., Napel, S., Shah, R. P.  
2023; 10 (4): 044006
- **ACR Appropriateness Criteria Workup of Noncerebral Systemic Arterial Embolic Source.** *Journal of the American College of Radiology : JACR*

- Expert Panels on Vascular Imaging and Cardiac Imaging, Parenti, V. G., Vijay, K., Maroules, C. D., Majdalany, B. S., Koweek, L. M., Khaja, M. S., Ghoshhajra, B. B., Agarwal, P. P., Contrella, B. N., Keefe, N. A., Lo, B. M., Malik, S. B., et al  
2023; 20 (5S): S285-S300
- **ACR Appropriateness Criteria Chronic Chest Pain-High Probability of Coronary Artery Disease: 2021 Update.** *Journal of the American College of Radiology : JACR*  
Expert Panel on Cardiac Imaging, Litmanovich, D., Hurwitz Koweek, L. M., Ghoshhajra, B. B., Agarwal, P. P., Bourque, J. M., Brown, R. K., Davis, A. M., Fuss, C., Johri, A. M., Kligerman, S. J., Malik, S. B., Maroules, C. D., et al  
2022; 19 (5S): S1-S18
  - **Preoperative Computed Tomography Angiography Reveals Leaflet-Specific Calcification and Excursion Patterns in Aortic Stenosis.** *Circulation. Cardiovascular imaging*  
Chen, I. Y., Vedula, V., Malik, S. B., Liang, T., Chang, A. Y., Chung, K. S., Sayed, N., Tsao, P. S., Giacomini, J. C., Marsden, A. L., Wu, J. C.  
1800: CIRCIMAGING121012884
  - **Dynamic Myocardial Perfusion CT for the Detection of Hemodynamically Significant Coronary Artery Disease.** *JACC. Cardiovascular imaging*  
Nous, F. M., Geisler, T., Kruk, M. B., Alkadhi, H., Kitagawa, K., Vliegthart, R., Hell, M. M., Hausleiter, J., Nguyen, P. K., Budde, R. P., Nikolaou, K., Kepka, C., Manka, et al  
2021
  - **Machine Learning Radiomics Model for Early Identification of Small-Cell Lung Cancer on Computed Tomography Scans.** *JCO clinical cancer informatics*  
Shah, R. P., Selby, H. M., Mukherjee, P., Verma, S., Xie, P., Xu, Q., Das, M., Malik, S., Gevaert, O., Napel, S.  
2021; 5: 746-757
  - **ACR Appropriateness Criteria Infective Endocarditis.** *Journal of the American College of Radiology : JACR*  
Expert Panel on Cardiac Imaging, Malik, S. B., Hsu, J. Y., Hurwitz Koweek, L. M., Ghoshhajra, B. B., Beach, G. M., Brown, R. K., Davis, A. M., Johri, A. M., Kligerman, S. J., Litmanovich, D., Mace, S. E., Maroules, C. D., et al  
2021; 18 (5S): S52-S61
  - **CovXR: Automated Detection of COVID-19 Pneumonia in Chest X-Rays through Machine Learning**  
Shenoy, V., Malik, S., IEEE  
IEEE.2021