

## Minal Vasanaawala

- Clinical Associate Professor (Affiliated), Rad/Nuclear Medicine
- Staff, Radiology - Diagnostic Radiology

### CLINICAL OFFICE (PRIMARY)

- **VA Palo Alto Health Care System Dept of Nuclear Medicine**

3801 Miranda Ave Ste 115

Palo Alto, CA 94304

Tel (650) 858-3945 Fax (650) 852-3421

### Bio

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#### CLINICAL FOCUS

- Nuclear Radiology

#### HONORS AND AWARDS

- Chief Nuclear Medicine Resident, Stanford University Hospital and Clinics (2004)

#### PROFESSIONAL EDUCATION

- Fellowship: VA Medical Center Palo Alto (1997) CA
- Residency: Stanford University Hospital (2005) CA
- Medical Education: Dr D Y Patil Medical College/University of Mumbai India (1997) India
- Board Certification: Nuclear Medicine, American Board of Nuclear Medicine (2005)
- Internship: Stanford Hospital and Clinics - Dept of Surgery (1997) CA

### Research & Scholarship

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#### CURRENT RESEARCH AND SCHOLARLY INTERESTS

PET/MRI, PETCT, and SPECT/CT applications in neuroimaging

Cardiac SPECT/CT and PET/CTA

### Publications

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#### PUBLICATIONS

- **Simultaneous FDG-PET/MRI detects hippocampal subfield metabolic differences in AD/MCI.** *Scientific reports*  
Carlson, M. L., DiGiacomo, P. S., Fan, A. P., Goubran, M., Khalighi, M. M., Chao, S. Z., Vasanaawala, M., Wintermark, M., Mormino, E., Zaharchuk, G., James, M. L., Zeineh, M. M.  
2020; 10 (1): 12064
- **Bone Marrow and Tumor Radiomics at 18F-FDG PET/CT: Impact on Outcome Prediction in Non-Small Cell Lung Cancer.** *Radiology*  
Mattonen, S. A., Davidzon, G. A., Benson, J., Leung, A. N., Vasanaawala, M., Hornig, G., Shrager, J. B., Napel, S., Nair, V. S.  
2019: 190357

- **PCI Alternative Using Sustained Exercise (PAUSE): Rationale and trial design** *CONTEMPORARY CLINICAL TRIALS*  
Myers, J., Fonda, H., Vasanaawala, M., Chung, K., Segall, G., Chan, K., Nguyen, P.  
2019; 79: 37–43
- **[18F] FDG Positron Emission Tomography (PET) Tumor and Penumbra Imaging Features Predict Recurrence in Non-Small Cell Lung Cancer** *TOMOGRAPHY*  
Mattonen, S. A., Davidzon, G. A., Bakr, S., Echegaray, S., Leung, A. N. C., Vasanaawala, M., Horng, G., Napel, S., Nair, V. S.  
2019; 5 (1): 145–53
- **Early uptake Amyloid PET imaging correlates strongly with cerebral blood flow based on arterial spin labeling MRI: a simultaneous PET/ MRI study**  
Zaharchuk, G., Fan, A., Gulaka, P., Guo, J., Poston, K., Greicius, M., Sha, S., Vasanaawala, M., Zeineh, M.  
SAGE PUBLICATIONS INC.2017: 224–25
- **Fdg Pet-CT Suvmax And Circulating Tumor Microemboli Identify Recurrence In Patients With Non-Small Cell Lung Cancer**  
Nair, V. S., Carlsson, F., Carlsson, A., Jamali, M., Keu, K., Vasanaawala, M., Shrager, J., Loo, B. W., Horng, G., Kuschner, W., Gambhir, S. S., Kuhn, P.  
AMER THORACIC SOC.2017
- **Assessment of PET & ASL metabolism in the hippocampal subfields of MCI and AD using simultaneous PET-MR.** *EJNMMI physics*  
Goubran, M., Douglas, D., Chao, S., Quon, A., Tripathi, P., Holley, D., Vasanaawala, M., Zaharchuk, G., Zeineh, M.  
2015; 2: A73-?
- **Correlation between arterial spin labeling MRI and dynamic FDG on PET-MR in Alzheimer's disease and non-Alzheimer's disease patients.** *EJNMMI physics*  
Douglas, D., Goubran, M., Wilson, E., Xu, G., Tripathi, P., Holley, D., Chao, S., Wintermark, M., Quon, A., Zeineh, M., Vasanaawala, M., Zaharchuk, G.  
2015; 2: A83-?
- **Variable activation of the DNA damage response pathways in patients undergoing single-photon emission computed tomography myocardial perfusion imaging.** *Circulation. Cardiovascular imaging*  
Lee, W. H., Nguyen, P., Hu, S., Liang, G., Ong, S., Han, L., Sanchez-Freire, V., Lee, A. S., Vasanaawala, M., Segall, G., Wu, J. C.  
2015; 8 (2)
- **Variable activation of the DNA damage response pathways in patients undergoing single-photon emission computed tomography myocardial perfusion imaging.** *Circulation. Cardiovascular imaging*  
Hee Lee, W., Nguyen, P., Hu, S., Liang, G., Ong, S., Han, L., Sanchez-Freire, V., Lee, A. S., Vasanaawala, M., Segall, G., Wu, J. C.  
2015; 8 (2): e002851
- **Does The White Blood Cell Count Assist With Solitary Pulmonary Nodule Diagnosis?**  
Nair, V. S., Rosenberg, J., Horng, G., Jamali, M., Tripathi, P., Iagaru, A., Kuschner, W., Vasanaawala, M., Gambhir, S. S., Thoracic Oncology  
AMER THORACIC SOC.2015
- **MicroRNA footprints of circulating tumor cells in patients with non-small cell lung cancer**  
Nair, V. S., Giraldez, M., Luttgen, M., Keu, K., Vasanaawala, M., Horng, G., Jamali, M., Kolatkar, A., Kuschner, W., Kuhn, P., Gambhir, S., Tewari, M.  
AMER ASSOC CANCER RESEARCH.2014
- **Circulating Tumor Microemboli Diagnostics for Patients with Non-Small-Cell Lung Cancer** *JOURNAL OF THORACIC ONCOLOGY*  
Carlsson, A., Nair, V. S., Luttgen, M. S., Keu, K. V., Horng, G., Vasanaawala, M., Kolatkar, A., Jamali, M., Iagaru, A. H., Kuschner, W., Loo, B. W., Shrager, J. B., Bethel, et al  
2014; 9 (8): 1111-1119
- **Stage I Lung Adenocarcinoma Tumor Density And Contour Do Not Predict Circulating Tumor Cell Burden**  
Nair, V. S., Luttgen, M., Keu, K., Jamali, M., Horng, G., Vasanaawala, M., Kuschner, W., Shrager, J., Kuhn, P., Gambhir, S. S.  
AMER THORACIC SOC.2014
- **An Observational Study of Circulating Tumor Cells and F-18-FDG PET Uptake in Patients with Treatment-Naive Non-Small Cell Lung Cancer** *PLOS ONE*  
Nair, V. S., Keu, K. V., Luttgen, M. S., Kolatkar, A., Vasanaawala, M., Kuschner, W., Bethel, K., Iagaru, A. H., Hoh, C., Shrager, J. B., Loo, B. W., Bazhenova, L., Nieva, et al  
2013; 8 (7)

- **Developing a non-invasive, diagnostic test for stage I non-small cell lung cancer using circulating tumor cells.**  
Luttgen, M. S., Keu, K., Nair, V. S., Horng, G., Vasanaawala, M., Kolatkar, A., Carlsson, A., Sabouri, M., Loo, B. W., Shrager, J. B., Iagaru, A., Kuschner, W., Kuhn, et al  
AMER ASSOC CANCER RESEARCH.2013
- **An observational study of circulating tumor cells and (18)F-FDG PET uptake in patients with treatment-naive non-small cell lung cancer.** *PloS one*  
Nair, V. S., Keu, K. V., Luttgen, M. S., Kolatkar, A., Vasanaawala, M., Kuschner, W., Bethel, K., Iagaru, A. H., Hoh, C., Shrager, J. B., Loo, B. W., Bazhenova, L., Nieva, et al  
2013; 8 (7)
- **Correlating circulating tumor cells with F-18-FDG positron emission tomography (PET) uptake in patients with treatment naive non-small cell lung cancer: A pilot study**  
Kuhn, P., Keu, K., Nair, V. S., Luttgen, M., Maestas, S., Bethel, K., Souder, K., Vasanaawala, M., Kuschner, W., Iagaru, A. H., Hoh, C., Nieva, J., Bazhenova, et al  
AMER ASSOC CANCER RESEARCH.2012
- **A case of three synchronous primary tumors demonstrated by F-18FDG PET** *CLINICAL NUCLEAR MEDICINE*  
Mitra, E., Vasanaawala, M., Niederkoeh, R., Rodriguez, C., Segall, G.  
2007; 32 (8): 666-667
- **F-18 fluorodeoxyglucose PET/CT as an imaging tool for staging and restaging cutaneous angiosarcoma of the scalp** *CLINICAL NUCLEAR MEDICINE*  
Vasanaawala, M. S., Wang, Y., Quon, A., Gambhir, S. S.  
2006; 31 (9): 534-537
- **Positively labeled white blood cell scan with eosinophilia and absence of infection** *CLINICAL NUCLEAR MEDICINE*  
Vasanaawala, M. S., Goris, M. L.  
2003; 28 (5): 389-391