Diagnosis of aseptic deep venous thrombosis of the upper extremity in a cancer patient using fluorine-18 fluorodeoxyglucose positron emission tomography/computerized tomography (FDG PET/CT)

B. Do,* C. Mari,* S. Biswal,* J. Kalinyak,* A. Quon* and S.S. Gambhir*

*Stanford University Medical Center, Nuclear Medicine Division, Department of Radiology and Molecular Imaging Program at Stanford (MIPS)
**San Francisco Veteran Affairs, Nuclear Medicine Division, Department of Radiology
***UCSF, Nuclear Medicine Program, Department of Radiology and Center for Molecular and Functional Imaging (CMFI) at China Basin

We describe a patient with a history of recurrent squamous cell carcinoma of the tongue and abnormal FDG uptake in the left arm during a re-staging FDG PET/CT. After revision of the patient’s clinical history, tests and physical exam, the abnormal FDG uptake was found to correspond to an extensive aseptic deep venous thrombosis of the upper extremity.

Key words: FDG PET/CT, aseptic thrombosis, deep venous thrombosis