

**MEDICAL DIRECTOR**  
**Barry L. Engelstad, M.D.**



Diagnostic Imaging  
and Nuclear Medicine

**Board Certification**

American Board of  
Radiology, Diagnostic  
Radiology, 1981  
American Board of Nuclear Medicine, 1982

Dr. Engelstad is the Chairperson and Co-Director of Nuclear Medicine, Diablo Valley Radiology Division. He has also served on the UC San Francisco faculty, including Nuclear Medicine Program Director and Radiology Department Vice-Chairman. Dr. Engelstad has published extensively, with over 72 publications to his credit.

**Education**

M.D.  
University of California, San Francisco  
1977

B.S.  
Massachusetts Institute of Technology  
1973

**Professional Training**

Residency, Radiology and Nuclear Medicine  
Moffitt Hospital - UCSF  
1980-1982

Residency, Radiology  
Mallinckrodt Institute - Washington University  
1978-1980

Internship, Internal Medicine  
Barnes Hospital - Washington University  
1977-1978

**Driving North on I-680:**

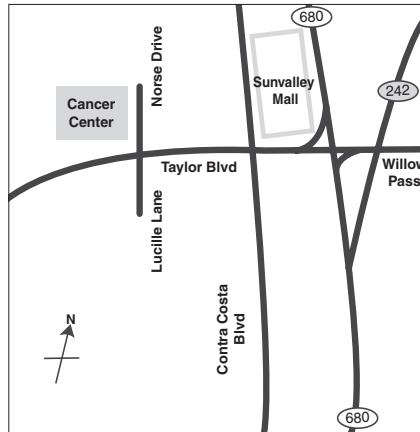
Take the Willow Pass Road Exit, turn left onto Willow Pass Road. Willow Pass Road turns into Taylor Blvd, proceed 0.7 miles. The Center is located on the right side at 400 Taylor Blvd, Suite 105 (Corner of Norse Drive and Taylor Blvd).

**Driving South on I-680:**

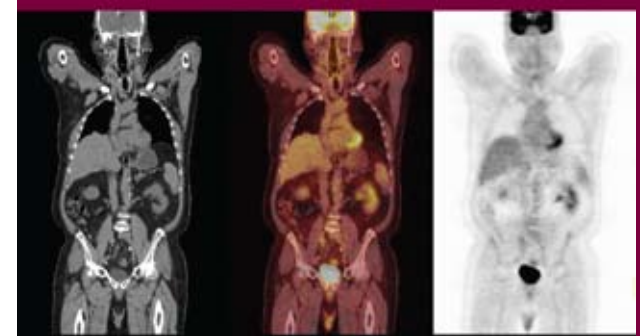
Take the Willow Pass Road Exit, turn right at Sunvalley Blvd/ Willow Pass Rd. Willow Pass Road turns into Taylor Blvd, proceed 0.7 miles. The Center is located on the right side at 400 Taylor Blvd, Suite 105 (Corner of Norse Drive and Taylor Blvd).

**Driving East on Highway 24:**

Highway 24 East toward Walnut Creek. Take the Pleasant Hill Road North Exit, go 1.9 miles. Veer onto Taylor Blvd, go 3.6 miles. The Center is located on the left side at 400 Taylor Blvd, Suite 105 (Corner of Norse Drive and Taylor Blvd).



400 Taylor Blvd., Suite 105  
Pleasant Hill, CA 94523  
925.826.1900  
FAX: 925.826.1910  
<http://www.calimaging.com>



PET/CT Imaging

*a patient's guide*

*Our reputation includes excellence in patient care, imaging and interpretations.  
Radiologic interpretations are provided to your physician within 24-48 hours.*



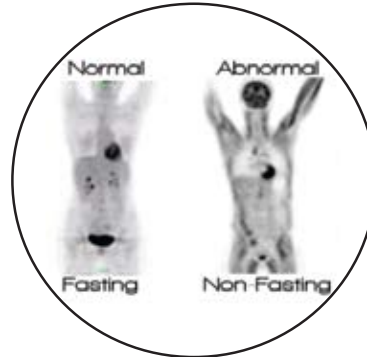
#### **What is a PET/CT?**

Positron Emission Tomography (PET), Computer Tomography (CT) is a unique imaging study that allows physicians to pinpoint the exact size and shape of diseased tissue. A PET scan utilizes a radioactive-glucose isotope that targets malignant cells. Following injection, the patient receives a whole body PET scan to reveal malignant lesions that may have been overlooked by conventional imaging (CT, MRI or X-ray). When PET/CT is performed, it integrates both technologies, making it possible to obtain anatomical and biological data. PET/CT increases accuracy in tumor detection.

#### **What are the benefits of PET/CT over other types of x-rays?**

PET provides increased information regarding function and potential malignancy within a lesion. CT provides a detailed location of the concerned area. This imaging modality can:

- Improve treatment planning
- Reduce biopsy sampling error
- Alter surgical procedures
- Assist in treatment and therapy direction
- Save lives



#### **Can I eat and take my medication prior to my appointment?**

PET imaging is a fasting study, no consumption of food or liquid (except water) for 6 hours prior to your exam. We ask that you drink plenty of water prior to your exam.

#### **Please discuss your medication needs with our office prior to your appointment.**

#### **Do I need someone to drive me to my appointment?**

PET/CT does not alter your ability to drive. If you are severely claustrophobic, you might prefer to bring medication for the scan, and in that case will need a driver. Most patients find this is not necessary.

#### **Do I need to wear special clothing?**

Please wear comfortable loose clothing, free of buttons, snaps and zippers. Medical scrubs are available if necessary.

#### **How long will the procedure take?**

1½-2 hours. A radioactive tracer is administered upon your arrival, followed by a one hour wait (uptake time). The length of the scan is approximately 15-30 minutes, depending upon your weight.



#### **During the resting time, can I read or talk on the phone? Can my family member join me?**

We ask you to refrain from all activities, including talking, as this can alter the outcome of your study. Family members need to remain in our waiting room. You may bring your own CD player or I-Pod with you to your appointment.

#### **What is the future for PET/CT imaging?**

PET/CT imaging is currently one of the most effective technologies available in identifying coronary artery disease. Cardiac PET provides accuracy and the capacity to monitor patients and favor maximal patient outcome at minimal overall expense. PET has also been approved for early stage diagnosis of Alzheimer's, Dementia and Neurodegenerative Diseases.

**For additional information, consult with your physician or [www.calimaging.com](http://www.calimaging.com).**

*Certified provider for  
PET/CT Imaging by the  
American College of Radiology*

