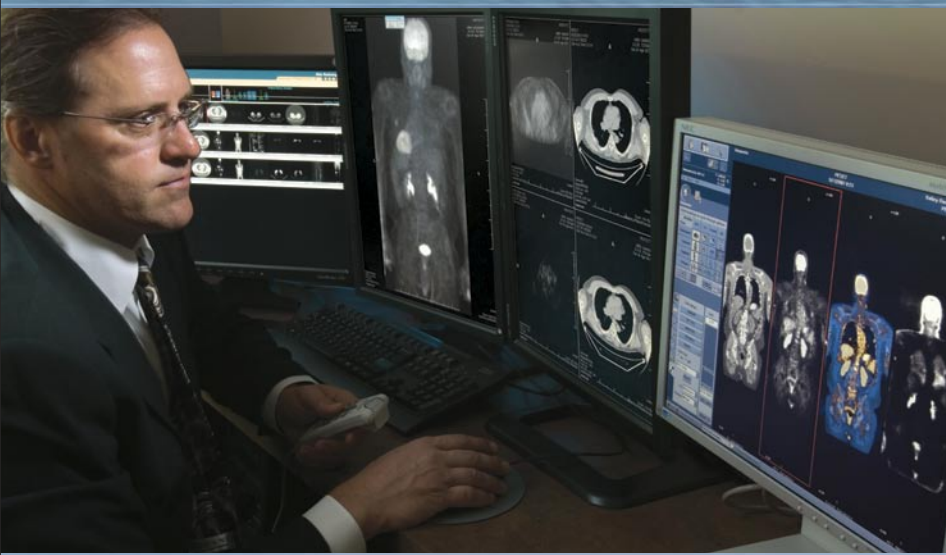


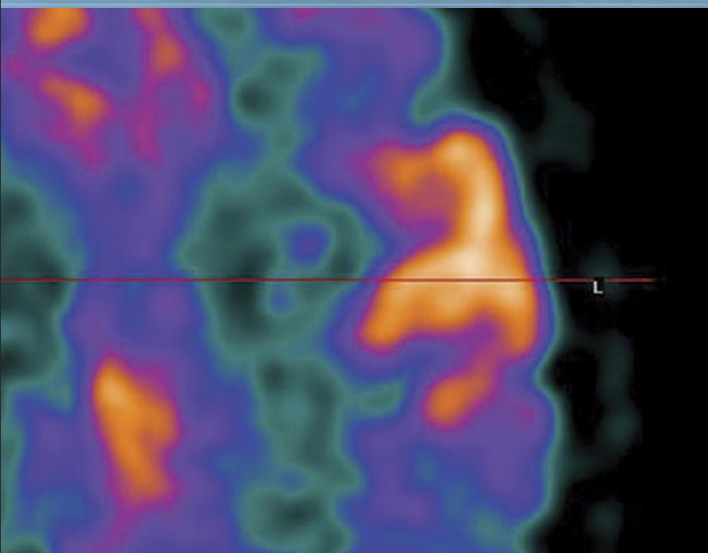
CANCER IMAGING & INTERVENTION



 **Valley Radiologists**
Complete Diagnostic Imaging
an affiliate of Southwest Diagnostic Imaging Ltd.

Medical imaging has long been vital to the detection, diagnosis, staging, treatment planning and monitoring of cancer. But the role of radiologists in cancer care has expanded. With the advent of nuclear medicine, particularly PET, radiologists are now able to detect cancers in much earlier stages. Advances in imaging hardware and software have also enhanced many

aspects of cancer care. At Valley Radiologists, we're proud to use these technologies in the fight against cancer. But we're also helping treat cancer through "interventional oncology." Using a variety of interventional techniques, our leading-edge interventional radiologists can treat tumors, relieve obstructions, repair cancer-related fractures and much more.



COMPREHENSIVE MEDICAL IMAGING TO FIND, STAGE & TREAT CANCER.

With cancer, radiology serves several important purposes. The first is detection, and imaging now can find cancers in their very earliest stages, when they are most treatable and before they've caused significant structural damage. Medical imaging is also helpful in determining the precise location and stage of a particular cancer, both of which are essential to treatment. Imaging studies are also used in the surveillance of the disease progression and the efficacy of the treatment. At Valley Radiologists, we use a variety of modalities to provide the most complete and accurate cancer diagnoses possible.

PET – Positron emission tomography is a powerful cancer-fighting tool. Because it images the metabolic activity of cancers, it can reveal cancer at the cellular level even in the absence of structural changes (which are required for imaging with CT, MRI or ultrasound). As a result, PET is invaluable for detection and staging of cancer and planning and monitoring of treatment.

PET/CT – With PET and CT combined, we're able to see metabolic activity within its anatomic context. The result is the highest sensitivity, specificity and accuracy available in cancer imaging today. We get more usable data in less time... and with a potential to reduce unnecessary biopsy or intervention.

CT – With its ability to directly image and differentiate soft-tissue structures, CT can reveal large space-occupying lesions, tumors and metastases. It also reveals the size, spatial location and extent of the tumor. CT's image-acquisition speed makes it able to image tumors in the lungs, which move with respiration. CT is also a mainstay in the planning of many cancer therapies.

MRI – Magnetic resonance imaging is helpful in the detection of a variety of cancers, tumors of the brain, neck and spine and metastases in the chest, abdomen and bones. MRI of the breast is also fast becoming an important diagnostic tool for women with dense breast tissue and a family history of breast cancer.

Other modalities – Nearly all imaging modalities contribute to the detection, diagnosis, staging, treatment and monitoring of cancer. Our subspecialized radiologists combine every modern modality — including digital X-rays, digital mammography and ultrasound — to provide truly comprehensive oncologic imaging.

FIGHTING CANCER & IMPROVING LIVES WITH PROVEN INTERVENTIONS.

As area leaders in interventional radiology, we're helping fight cancer directly with interventional oncology. Working with medical and radiation oncologists and other specialists, we're enhancing patients' cancer-care team by adding cancer therapies and palliative techniques. Whether as the central cancer physician or in a support role, we focus on continuity of care, collaborating with oncologists, other specialists, primary-care doctors and other vital resources such as home care and hospice.

Thermal tumor ablation – With this percutaneous catheter intervention, we use extreme cold (cryoablation) or radiofrequency-generated heat (RF ablation) to damage and kill tumors in a variety of areas, including the kidneys, liver and lungs.

Chemo infusion – Using imaging guidance and a percutaneous catheter approach, we deliver chemotherapy medications directly to the tumor site. This permits higher doses of treatment to the tumor while minimizing the medicine's impact on the rest of the body.

Chemoembolization – Just like with chemo infusion, we deliver anticancer drugs directly to the tumor. Then we block the tumor's blood supply, allowing even higher concentrations of medicine to be in contact with the tumor for longer periods of time.

Vertebroplasty & kyphoplasty – For vertebral compression fractures related to tumors, we can stabilize the vertebral body (vertebroplasty) and even restore vertebral height before stabilizing (kyphoplasty).

Aspiration & drainage – With imaging guidance, our interventional radiologists can drain fluids and aspirate lesions and tumors to relieve obstructions and provide another palliative option for cancer patients.

Biopsy – At Valley Radiologists, our fellowship-trained interventional subspecialists are able to biopsy suspicious masses nearly anywhere in the anatomy. Depending on the location, patient needs and type of mass, we use MRI, CT or ultrasound to guide the percutaneous approach and sampling of the tissue.

Venous-access procedures – We also install venous-access ports to facilitate chemotherapy delivery or for other purposes related to the care of cancer patients.

TRUST A TRADITION OF EXCELLENCE IN IMAGING & INTERVENTION.

Known for clinical excellence, Valley Radiologists is proud to be at the forefront of the cancer fight. For more information on our oncologic imaging and interventions and our compassionate, collaborate approach to cancer care, call 623-847-2000.



Valley Radiologists
Complete Diagnostic Imaging
an affiliate of Southwest Diagnostic Imaging Ltd.

DEER VALLEY OFFICE

Deer Valley Medical Center
2525 West Greenway Road, Suite 250
Phoenix, AZ 85023
*SERVICES: Bone Densitometry, Diagnostic Radiography,
Screening Mammography, Ultrasound*

ESTRELLA OFFICE

Estrella Medical Plaza I
9305 West Thomas Road, Suite 100
Phoenix, AZ 85037
*SERVICES: Bone Densitometry, Breast MRI, CT,
Digital Radiography, Digital Screening & Diagnostic
Mammography, Interventional Breast Services, MRI, Ultrasound*

PALM VALLEY OFFICE

Palm Valley Medical Plaza
13555 West McDowell Road, Suite 106
Goodyear, AZ 85338
*SERVICES: Bone Densitometry, CT, Digital Radiography,
Digital Screening & Diagnostic Mammography, MRI, Ultrasound*

PARADISE VALLEY OFFICE

16641 North 40th Street, Suite 1
Phoenix, AZ 85032
*SERVICES: Breast MRI, CT, MRI, Ultrasound,
Vascular Ultrasound*

PARKVALE OFFICE

Parkvale Medical Building
4616 North 51st Avenue, Suite 104
Phoenix, AZ 85031
*SERVICES: Bone Densitometry, CT, Digital Radiography,
Screening Mammography, Ultrasound*

PASEO I OFFICE

Paseo Medical Plaza I
5601 West Eugie Avenue, Suite 102
Glendale, AZ 85304
*SERVICES: Digital Radiography,
Digital Fluoroscopy, Ultrasound*

PASEO II OFFICE

Paseo Medical Plaza II
5605 West Eugie Avenue, Suite 110
Glendale, AZ 85304
*SERVICES: Breast MRI, CT, CTA, Digital Screening
Mammography, MRI, PET/CT, Ultrasound, Vein Lab*

SUNWEST OFFICE

Sunwest Medical Center
5757 West Thunderbird Road, Suite W101
Glendale, AZ 85306
SERVICES: Bone Densitometry, Digital Radiography

SUNWEST BREAST CENTER

Sunwest Medical Center
5757 West Thunderbird Road, Suite W100
Glendale, AZ 85306
*SERVICES: Breast Ultrasound, Interventional Breast Services,
Digital Screening & Diagnostic Mammography*

THUNDERBIRD OFFICE

Thunderbird Medical Plaza II
5310 West Thunderbird Road, Suite 100
Glendale, AZ 85306
SERVICES: Digital Radiography, Ultrasound

BUSINESS OFFICE

2323 West Rose Garden Lane
Phoenix, AZ 85027

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