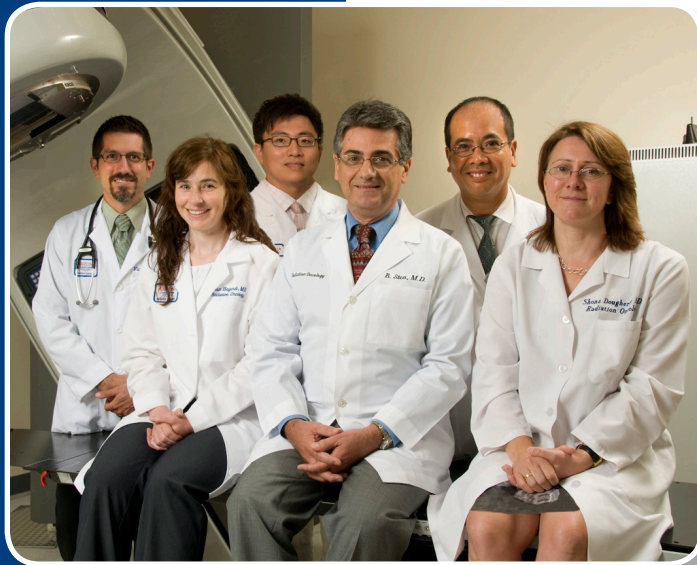


RADIATION ONCOLOGY



THE UNIVERSITY OF ARIZONA CANCER CENTER

- A National Cancer Institute-designated Comprehensive Cancer Center
- Personalized treatment by a nationally renowned team of specialists
- Treatment options not available elsewhere in Southern Arizona

Multidisciplinary and Personalized Approach to Care

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Regular prospective patient management meetings covering all areas of radiation oncology

- Radiation Oncology Peer Review Team meets weekly to discuss each patient's treatment plan and progress
- Specialists in the community come together with University of Arizona College of Medicine physicians for Tumor Board meetings to discuss their most complex cases and to decide on the best treatment plan for each patient
- Patients have access to clinical trials options not available elsewhere

Treatment Options

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Stereotactic Radiosurgery (Novalis Program):

- Precise form of radiation therapy
- Alternative to invasive surgery
- Changes are considered surgical
- Maximum dose to tumor, minimum dose to surrounding tissue
- Can be used for those who have reached their maximum tolerance dose of traditional radiation
- Can treat not only tumors but also benign conditions such as arteriovenous malformations and trigeminal neuralgia
- Accurate and automated patient positioning

TomoTherapy Highly-Integrated Adaptive Radiotherapy (HI-ART):

- A quick CT scan before each treatment (Image guided daily radiation therapy)
- Intensity modulated radiation for maximal normal tissue sparing
- Can be programmed to avoid specific organs. For example, it can miss the salivary glands, treat the throat tumor; miss the spinal cord and treat the spinal column; miss the kidneys and treat the pancreas
- Can see through artificial limbs, hips, appliances of mouth and other obstructions

Three-Dimensional Conformal Radiation Therapy:

- Reveals size and shape of tumor enabling radiation oncologists to precisely tailor radiation beams to size and shape of tumor
- Mostly used for palliative treatment of cancer

RADIATION ONCOLOGY

Treatment Options

Image Guided Radiation Therapy (IGRT):

- Conformal radiation treatment guided by imaging, such as CT and X-rays, taken in the treatment room before the patient is receiving radiation

Intensity Modulated Radiation Therapy (IMRT):

- Precisely tailors radiation to the shape of the tumor

Brachytherapy:

- A form of radiotherapy where a radioactive source is placed inside or next to the area requiring treatment

Other Available Options

- **Axxent® Electronic Brachytherapy**
- **Mammosite®**
- **Savvy®**
- **Contura®**
- **Prostate Seed Implant**
- **High Dose Rate Radiation**
- **Low Dose Rate Radiation**
- **Eye Plaques for Melanoma**

The Team

Shona Dougherty, MD, PhD

Prostate cancer and gynecologic cancers

Nam Nguyen, MD

Head and neck cancer and skin cancer

Victor Gonzalez, MD

Breast cancer, lymphoma and metastatic diseases

Baldassarre “Dino” Stea, MD, PhD

Pediatric malignancies, melanoma, brain tumors and central nervous system disorders

Lisa Hazard, MD

GI cancers and breast cancer

Contact Us

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