



While undergoing radiation therapy, a specialized team will be working together to ensure the best care possible. This team includes a radiation oncologist, who oversees the care of patients undergoing radiation therapy, radiation therapists, medical physicists, dosimetrists, nurses, medical assistants, nutritionists, and social workers.

Radiation oncologists are physicians who are experts in the prescribing and delivery of radiation therapy, and who work closely with other cancer doctors such as medical oncologists and surgeons. At Havasu Regional Medical Center, our board-certified Radiation Oncologist offers compassionate care for the treatment of many types of cancer, including head and neck, breast, prostate, and lung. If necessary, he will assist in the coordination of your cancer care, including systemic therapy (chemotherapy/immunotherapy) and/or brachytherapy (low or high dose-rate radiation).

Our current linear accelerator is the Clinac® iX from Varian Medical Systems. The Clinac® iX is capable of external beam radiation therapy in the form of high energy X-rays or electron therapy. This linear accelerator is capable of delivering sophisticated treatments such as intensity modulated radiotherapy (IMRT) with image guidance (IGRT). This technique allows for treatment of tumors with high doses of radiation therapy while sparing surrounding normal tissues, which improves treatment-related outcomes, for instance minimizing treatment-related side-effects. Prior to radiation treatment, radiation planning is performed utilizing a state-of-the-art GE Discovery CT Simulator. The CT Simulator helps our radiation oncologist perform 3- or 4-dimensional tumor mapping.

The HRMC Cancer Center also offers treatment of metastatic cancer to the bone with radiopharmaceuticals such as Samarium 153 (Lexidronam) and Radium 223 (Xofigo).

- Intensity Modulated Radiation Therapy (IMRT)
- Image Guided Radiation Therapy (IGRT)
- 3-Dimensional Radiation Therapy (3D)
- Electron Therapy
- GE Discovery CT Simulator
- Optical Surface Monitoring System (OSMS)
- Samarium 153 (Lexidronam)
- Radium 223 (Xofigo)

We are pleased to announce that the Radiation Oncology Department at the HRMC Cancer Center will also soon be offering stereotactic radiosurgery (SRS) and stereotactic body radiotherapy (SBRT) with the upcoming installation of our True Beam Edge Linear Accelerator in late 2018.