

Radiation Therapy Delivery System Options

Linear Accelerators

Huntington Radiation Oncology has three linear accelerators. We have a Varian 600C for our inpatient care as needed for emergent radiation therapy. Our outpatient facility has 2 Elekta linear accelerators.

3-D Conformal Radiation Therapy: Whole Breast or Partial Breast

Data from a CT scan with the patient in the treatment position is converted into a treatment plan that allows us to customize your treatment based on our individual anatomy.

Hypofractionated Radiation Therapy: Whole Breast or Partial Breast

For selected early-stage breast cancer patients after lumpectomy, the course of radiation therapy can be shortened.

The standard course of therapy is 5-6 weeks. Hypofractionated radiation can be delivered in 3-4 weeks with equal control rates and excellent cosmetic results.

Breast Brachytherapy

Accelerated partial breast irradiation (APBI) is an option for selected patients. A device is placed in the lumpectomy site and radiation is delivered using a high dose rate radiation source. Treatments are twice daily for five days of treatment. Our cancer center is a “Center of Excellence” for breast brachytherapy using the SAVI catheter device.