

The Beam: Radiation Medicine News

Personalized medicine. It's not something of the future, it's here now.

The Department of Radiation Medicine at Northwell Health offers a wide range of specially tailored radiation medicine services to patients, combining modern technology with warm, individualized treatment.

New treatments designed for you.

**Proton beam therapy:
a new form of precision radiation**

More precision means better results. We are excited to add proton beam therapy to our extensive range of highly precise technology. Proton therapy uses highly charged particles, allowing us to treat tumors with high doses of radiation while decreasing the radiation dose to nearby normal tissue. The Department of Radiation Medicine is pleased to offer this therapy through a partnership with ProCure Proton Therapy Center in Somerset, N.J., giving our patients even more options for treatment in a convenient location.

**More choices mean better care:
SBRT for prostate cancer patients**

We take pride in not offering a one-size-fits-all solution for men with prostate cancer. That's why we offer a full array of proven treatment options as well as the latest techniques, like SBRT. SBRT (stereotactic body radiotherapy) uses higher doses of radiation per treatment and decreases the number of needed treatments to three to five, instead of weeks of daily therapy. The safety of SBRT comes from the accuracy of the treatment beam and the speed with which it is delivered (only 120 seconds). We use GPS-like markers for the prostate that track the prostate's position for the entire 120 seconds of care, ensuring accuracy.



Not all breast radiation therapy is the same

Fewer treatments, faster recovery, and minimized side effects – it's possible with hypofractionation. While most hospitals treat breast cancer patients with five to six weeks or more of radiation therapy, we can treat many patients over three to four weeks with hypofractionation. Most women can have their treatment times condensed with equal efficacy and no additional toxicity. We're also using techniques that can help prevent heart disease – including having patients lie down on their stomachs, or use a deep inspiration breath hold (DIBH) to minimize radiation exposure to the heart. AlignRT is another technology we use that maps out the body with laser beams – making sure your radiation therapy is extremely accurate.



Expanding and improving our Radiation Medicine locations.

New locations, new technologies, and new techniques: It all adds up to more options for our patients, who receive the same coordinated, high-level care at any of our facilities. We call this approach Smarter Radiation Oncology® (SRO). You can receive great care at the Center for Advanced Medicine (CFAM) in Lake Success as well as Lenox Hill, Glen Cove, Staten Island University Hospital, and Southside Hospital. We also have a joint venture enterprise with North Shore

Radiation Therapy/CyberKnife of Long Island. Over the next year, look for our new Varian TrueBeam linear accelerator at Staten Island University Hospital (SIUH), a new facility opening in Bay Shore, and the opening of a brand-new department at Phelps Memorial Hospital Center. We will also be centralizing our inpatient radiation therapy services at Long Island Jewish Medical Center (LIJMC).

Northwell Health doctors receive recognition



Spotlight on: Dr. Beatrice Bloom

Northwell Health Department of Radiation Medicine has many excellent physicians who receive distinguished awards – and one who really stands out among them is Dr. Beatrice Bloom. In May, Dr. Bloom received the Sandra Atlas Bass Award for Clinical Excellence at the biennial women’s health conference hosted by the Katz Institute for Women’s Health. Dr. Bloom, who is known for her selfless dedication and positive impact on the local community, was also recognized by the UJA-Federation of New York Long Island Health Professionals who presented her with the Dr. Edward Meilman Community Service Award earlier this year. Dr. Bloom is passionate about her craft and deeply cares about her patients, her peers and the communities she serves. She now serves as acting vice chair of the Department of Radiation Medicine, is a participant in the Physician Leadership program and a member of Northwell Health Physician Partners, and continues her work as a member of the Breast Cancer and Gynecologic Oncology Centers of Excellence of Northwell Health Cancer Institute.



Dr. Eric Klein appointed to board of AAPM

Northwell Health doctors are not only honored locally – they also help shape the landscape in medicine through their involvement in national organizations. Dr. Eric Klein, PhD, vice president director of medical physics for Northwell Health, was appointed to the board of the American Association of Physicists in Medicine (AAPM) as a member at large, effective January 2016. The AAPM is dedicated to improving the safety of radiation in imaging and radiation therapy.