



Radiation Oncology Consultants

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ROC August 2014 Newsletter

Radiation Oncology at Presence Resurrection Medical Center:

A New Chapter

On July 15, 2014, Presence Health System approved funding for new equipment purchases and physical plant improvements for the Presence Resurrection Medical Center Department of Radiation Oncology. A Varian TrueBeam™ STx Linear Accelerator has been purchased and will replace the two existing treatment units. Installation of the TrueBeam™ STx will significantly expand the breadth of treatment options available to Presence Resurrection Medical Center patients. Following completion of the renovation and machine installation, ALL of the following radiation therapy treatment modalities will be available:

Stereotactic Radiation therapy including:

Stereotactic Radiosurgery (SRS)

Stereotactic Body Radiation Therapy (SBRT)

Image Guided Radiation Therapy (IGRT)

Volumetric Modulated Arc Radiotherapy (VMAT)

Intensity Modulated Radiation Therapy (IMRT)

Three Dimensional Conformal Radiation Therapy



The TrueBeam™ STx system from Varian Medical Systems uses treatment techniques such as stereotactic body radiotherapy (SBRT) and stereotactic radiosurgery (SRS) that can be particularly well-suited to treating various cancers of the lung, liver, kidney, pancreas, brain and spine. Sophisticated imaging works seamlessly with a powerful beam delivery system and advanced motion controls that compensate for patient and tumor movement. TrueBeam STx enables fast, precise treatments.

Other technologic improvements will include:

4-D CT treatment planning unit - A specialized CT which simultaneously acquires treatment planning imaging information and information about target and organ motion during respiration and other internal body movements. This technology will allow us to account for such target and normal tissue motion during treatment planning.



Varisource High Dose Rate brachytherapy unit - Presence Resurrection Medical Center will continue to offer brachytherapy treatments for patients with breast and uterine cancers. However, our new brachytherapy machine and applicator suite will allow us to offer complex brachytherapy treatment options including treatment of cervical and prostate cancer patients.



Additionally, the PRMC radiation oncology department will undergo much needed renovations. The patient common areas, changing rooms, and exam rooms will be redesigned and remodeled to provide an optimal patient experience. We are striving to provide the highest level of comfort, as well as service, for our oncology patients as they proceed through their diagnosis and consequent treatment. The Presence Resurrection Medical Center Oncology Program also continues to provide comprehensive cancer services beyond medical specialty care including access to highly qualified social workers, nurse navigators, nutritional counselors, and physical therapy service providers.

Over the following months, radiation oncology services will continue to be provided. Our Presence ROC Radiation Oncologists will be available for patient consultations and treatment recommendations. We are looking forward to a continued multidisciplinary approach with our medical and surgical oncology colleagues. We are also looking forward to expanding our collaborative relationships as Presence Resurrection Medical Center develops its stereotactic radiosurgery program. It is anticipated that department construction and installation of the TrueBeam™ STx will be completed by the first quarter of 2015 with full expansion to all treatment modalities including stereotactic treatment modalities shortly thereafter.

To speak to a ROC physician at Presence Resurrection Medical Center to learn more about the radiation oncology program and ongoing improvements in the Radiation Oncology Department, please contact: 773.792.5133

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