

# THE FUTURE OF RADIATION THERAPY COMING SPRING 2009

## XOFT® – AXXENT® ELECTRONIC BRACHYTHERAPY SYSTEM®

While breast cancer remains the number one cause of cancer death in the United States, the number is dropping, which can be attributed to advances in diagnosis and treatment.

Nazha Cancer Center is one of the first cancer centers in the country to offer the latest technology for early-stage breast cancer and endometrial cancer with **Axxent Electronic Brachytherapy System.**

The Axxent Electronic Brachytherapy System uses a miniaturized X-ray source that can deliver localized and targeted radiation treatment. This precision minimizes the risk of radiation exposure to healthy tissue, heart and lungs, and allows for a reduced number of required treatments. Now instead of seven weeks of standard external beam radiation therapy, treatment takes **only 5 days.**

During the lumpectomy procedure, the surgeon places a balloon catheter in the surgical site. The applicators are available in multiple sizes and shapes to best fit the contour of the lumpectomy cavity, part of the fully integrated treatment solution for Accelerated Partial Breast Irradiation (APBI). The patient then returns to Nazha Cancer Center for treatment. Delivering high-dose, low energy radiation, the Axxent Electronic Brachytherapy System X-ray source is channeled through the balloon catheter to the lumpectomy site.

The Axxent Electronic Brachytherapy System is also applied for endometrial treatment. Utilizing the aforementioned technologies, the vaginal applicator allows for a reduced dose to the bladder and rectum.



For more information on our alternative radiation practices or to schedule an appointment, please contact the **Nazha Cancer Center Radiation Oncology & Imaging Division** by calling **609.407.5055**

**NAZHA**  
CANCER CENTER  
*The Latest Technology, The Best Care.*

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