

# Pelvis Belly Plus System (RT-5105)

The new generation of the Pelvis Belly Plus System comfortably positions patients, while achieving greater bowel displacement. The system is also easily transportable and provides every patient with the highest level of comfort.



## Simplicity In Use:

- Lightweight radiolucent T-form multi-treatment base, compatible with the Prone Breast System, makes owning both more economically feasible
- Single lower extremity pad, with sculpted leg and thigh cushioning, provides greater support and comfort
- Easily transportable and lightweight therapist-friendly device, which makes it easy to transport from the simulation room to the treatment room

## Dose Delivery:

- Proprietary multi-layered variable density foam pad set makes setup accurate and reproducible, while keeping patients comfortable

## Comfort:

- Dual foam, massage-style face cushion aides in patient comfort
- Small and medium abdominal inserts accommodate a wide range of patient sizes, with an optional large abdominal insert package

**Made in the U.S.A.**

This product is available through:

**JRT** Associates

5 Nepperhan Avenue, Suite 2B  
Elmsford, NY 10523  
800-221-0111

A new generation in patient positioning

# Prone Breast System & Pelvis Belly Plus System



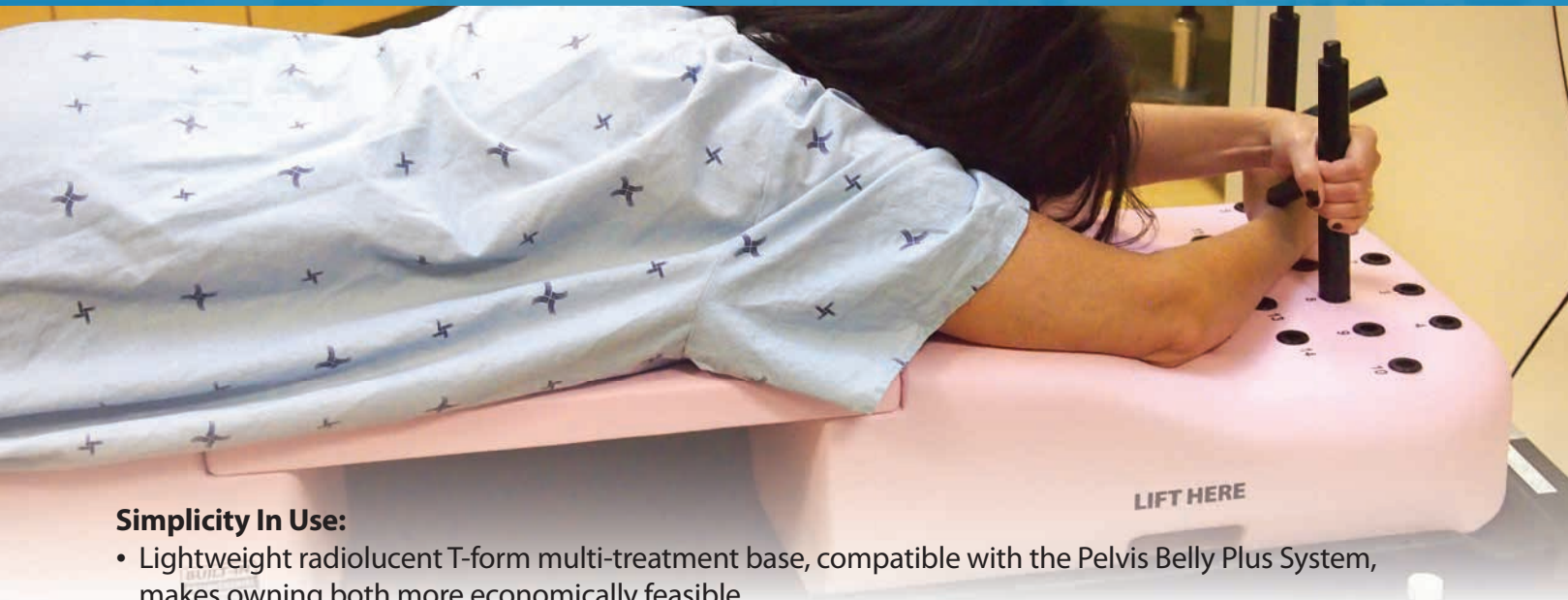
GOING BEYOND >



# Prone Breast System (RT-6025)

Created with a focus on ensuring patient comfort, re-positional accuracy and simplicity in use, The Bionix Prone Breast System reduces irradiation to the chest wall, healthy cardiac tissue and lungs. As the new generation of patient positioning, the system allows for even weight distribution and the accommodation of a diverse variety of patient sizes onto the system.

**With every Prone Breast System that is purchased, Bionix will donate a portion of the proceeds to breast cancer research.**



## Simplicity In Use:

- Lightweight radiolucent T-form multi-treatment base, compatible with the Pelvis Belly Plus System, makes owning both more economically feasible
- As an easily stored and lightweight therapist-friendly device, the system also locks down onto most treatment couches

## Dose Delivery:

- Proprietary multi-layered variable density foam pad set makes setup accurate and reproducible, while keeping patients comfortable

## Comfort:

- Includes a supportive ankle bolster, to help keep the patient level and comfortable
- Dual foam, massage-style face cushion aides in patient comfort
- 15 degree contralateral wedge, to assist with patient tilt
- System includes one large or small opening breast bridge based on facility needs

## Made in the U.S.A.



## Comparative views of Supine Positioning vs. Prone

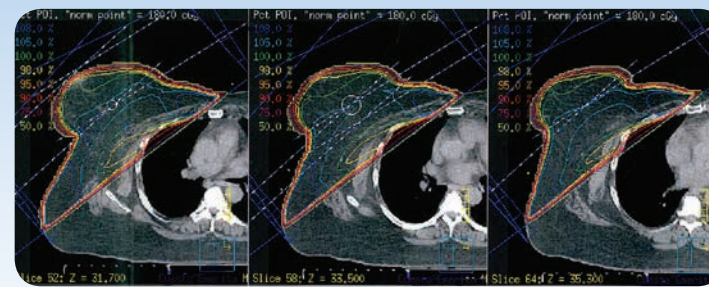


Figure 1. View of a patient in the supine position.

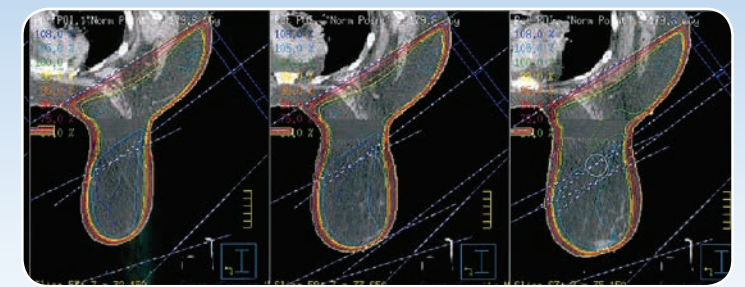


Figure 2. The same patient with comparative views in the prone position.

**Figures 1 and 2** compare the coverage of the breast tissue and demonstrate the amount of normal tissue that is spared during irradiation.

In **Figure 1**, the patient is positioned supine, using a standard breast board. In this position, the chest wall and lung is exposed to the treatment field.

In **Figure 2**, the patient is positioned prone, using the Bionix Prone Breast System. In this position, the treatment volume spares the patient's chest wall and vital organs.

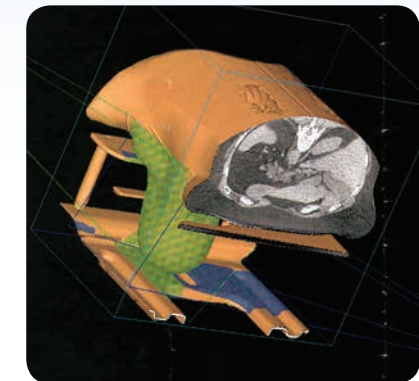


Figure 3. A sectional view of a patient positioned prone on the Bionix Prone Breast System.

## White Paper Articles

### PRONE BREAST

Prospective Assessment of Optional Individual Position (Prone Versus Supine) for Breast Radiotherapy: Volumetric and Dosimetric Correlations in 100 Patients

- Stella C. Lymberis, M.D., John Keith DeWyngaert Ph.D., Preeti Parhar M.D., Arpit M Chhabra M.D., Maria Fenton-Kerimian N.P., Jengwha Chang, Ph.D.
- Received 25 November 2011; received in revised form 9 January 2012; accepted 11 January. published online 11 April 2012

Long-term Clinical Outcomes of Whole-Breast Irradiation Delivered in the Prone Position

- Presented in part at the 47th Annual Meeting of the American Society for Therapeutic Radiology and Oncology (ASTRO), Denver, CO, October 16–20, 2005.
- Lauren D. Stegman, M.D. Ph.D.; Katherine P. Beal M.D.; Margie A. Hunt M.S.,
- Received 28 September 2006; received in revised form 17 November 2006; accepted 20 November 2006. published online 05 March 2007.

Individual Positioning: A Comparative Study of Adjuvant Breast Radiotherapy in the Prone Versus Supine Position

- Zoltán Varga, Katalin Hideghéty, M.D., Ph.D., Tamás Mező, Alíz Nikolényi, M.D., László Thurzó, M.D., Ph.D., Zsuzsanna Kahán, M.D., Ph.D.
- Department of Oncotherapy, University of Szeged, Szeged, Hungary
- Received 3 September 2008; received in revised form 24 October 2008; accepted 28 October 2008. published online 23 March 2009.

### PELVIS/BELLY

Does prone positioning reduce small bowel dose in pelvic radiation with intensity-modulated radiotherapy for gynecologic cancer?

- Presented as a Scientific Exhibit at the 43rd Annual Meeting of the American Society for Therapeutic Radiology and Oncology, San Francisco, CA, November 4–8, 2001.
- Mustafa Adli, M.D; Nina A Mayr, M.D.; Heather S. Kaiser, M.D.; Mark W. Skwarchuk, Ph.D.; Sanford L. Meeks, Ph.D., George Mardirossian, Ph.D.
- Received 18 September 2002; received in revised form 10 January 2003; accepted 20 March 2003.

Role of Belly Board Device in Prone Position for Pelvic Irradiation in the Era of IMRT

- I.J. Das, G.K. Bartlett, B. McKay, J.J. Walker, H.R. Cardenas Indiana University School of Medicine, Indianapolis, IN