White Paper Articles

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 from 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.
Prone Breast System (RT-6025)

Created with a focus on ensuring patient comfort, re-positional accuracy and ease of 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.

Ease of Use:
- Lightweight therapist-friendly device
- Locks down onto most treatment couches

Dose Delivery:
- Clinically enhanced design provides an unobstructed lateral field; the only thing between you and your target is the table
- 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
- 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.

*Low profile Prone Breast System available upon request. Lead times may vary.

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.