**INTRODUCTION**

- Breast cancer is a flexible catheter and tangential shield placed over the patient (Figure 1). The plastic catheter provides a rigid structure and tangential shield provides a uniform dose distribution over the breast. 
- **Results** suggest that the Axxent® Electronic Brachytherapy System offers several advantages over traditional brachytherapy, including improved dose uniformity and reduced treatment time.

**BACKGROUND**

- Breast cancer is the most frequently diagnosed cancer in women, with an estimated 182,460 new cases expected in the U.S. in 2008. 
- Many women elect mastectomy or omit post-operative radiotherapy because they cannot commit the required time or resources.

**RESULTS**

- The Axxent® Electronic Brachytherapy System can be used as an alternative to traditional brachytherapy, offering improved dose uniformity and reduced treatment time.

**CONCLUSION**

- The Axxent® Electronic Brachytherapy System offers several advantages over traditional brachytherapy, including improved dose uniformity and reduced treatment time.

**Measurement of Skin Dose when using FlexiShield® with the Axxent® Electronic Brachytherapy System**

Linda Kelley, Steve Axelrod, April Dutta, Xoft, Inc., Sunnyvale, CA

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