3-marker identifies Tumor Bed, Helping to Better Target Sites…

**Background**

Oncoplastic surgery continues to gain acceptance in clinical circles by treating breast cancer while improving aesthetic outcomes. Breast conserving surgery (BCS) followed by radiation therapy (RT) has been one of the principal ways to manage invasive breast cancer. For patients with early stage breast cancer who are medically fit to undergo surgery, breast conservation surgery is the recommended treatment option by the American Society of Clinical Oncology (ASCO) and the National Comprehensive Cancer Network (NCCN). However, patients who undergo BCS often harbor suboptimal outcomes, including increased risk of local recurrence and long-term cosmetic deformity. Recent studies suggest that oncoplastic surgery may help improve these outcomes by providing more accurate tumor excision, better-defined cosmetic structures, and improved cosmesis. The use of a 3D Bioabsorbable Implantable Marker in conjunction with oncoplastic techniques aims to improve the accuracy of tumor excision, optimize radiation therapy planning, and enhance cosmetic outcomes.

**Objective/Method**

A multi-center clinical registry has been established to monitor outcomes of patients implanted with this 3-D Bioabsorbable Implantable Marker. Recently, a novel method of targeting the tumor excision site was developed, and a multi-center clinical registry was initiated to monitor outcomes of patients implanted with this 3-D Bioabsorbable Implantable Marker. This includes patient demographics, breast size, tumor characteristics, surgical and radiotherapy techniques, and outcomes of BCS and radiation therapy. The registry aims to better understand the role of oncoplastic surgery in breast cancer treatment and to provide insights into the safety and efficacy of using a 3D Bioabsorbable Implantable Marker in conjunction with oncoplastic techniques.

**Conclusion**

This device opens the possibility of offering more women the option for BCS with improved cosmesis by introducing a new technology that can improve the accuracy of tumor excision and enhance cosmetic outcomes. The use of a 3D Bioabsorbable Implantable Marker in conjunction with oncoplastic techniques aims to improve the accuracy of tumor excision, optimize radiation therapy planning, and enhance cosmetic outcomes. The registry aims to better understand the role of oncoplastic surgery in breast cancer treatment and to provide insights into the safety and efficacy of using a 3D Bioabsorbable Implantable Marker in conjunction with oncoplastic techniques.

**References**


