



ORBITAL THERAPY

## **Orbital Therapy receives patent for a self-shielded radiotherapy device**

**Bedford, MA, Aug 5, 2010** – Orbital Therapy was issued a U.S. patent 7,758,241 for a self-shielded radiotherapy device, not requiring a traditional bunker (vault) for operation.

Currently, radiation therapy machines are housed inside concrete/lead vaults to prevent the radiation from scattering outside of the treatment room. Building a vault can easily cost \$1 million and in many cases as much as \$5M, and is a major barrier to adding additional treatment units in underserved and congested areas. Orbital Therapy's innovative approach integrates the shielding directly into the design of the machine and eliminates the need for a costly bunker. This greatly reduces the total installation cost, allows the operator to remain in the room with the patient, and protects the patient from unwanted radiation, thus minimizing the chance for long term complications.

The company is using this breakthrough integrated shielding technology in a novel device to treat breast cancer patients with external beam radiation. The patient is positioned in the prone (face down) position. This increases the separation of the target from the rest of the patient, and virtually eliminates motion caused by breathing. The clinician will have full 360 degree access to the breast with a programmable horizontal beam, allowing for modern treatment techniques to be delivered ranging from stereotactic to whole breast irradiation. A proof of concept prototype has been developed and successfully tested.

"We are excited to be pioneering this extremely economical and clinically beneficial concept of self-shielded radiation therapy devices. Our goals are to provide cost effective solutions to the healthcare provider and improve the quality of care by reducing the patient's exposure to undesired radiation," said Jason Koschnitsky, CEO of Orbital Therapy.

"An old joke in engineering is: Better, Faster, Cheaper: pick two. This is a rare instance where we are able to do all three. This patent gives us a solid foundation for our platform technology," said Alan Sliski, CTO of Orbital Therapy.

### **About Orbital Therapy, LLC**

Orbital Therapy was founded in 2006 to develop products for the treatment of breast cancer. Our innovative approach to the treatment of this particular disease will offer numerous benefits over currently used techniques and provide many benefits to the patient as well as the care provider.

[www.orbitaltherapy.com](http://www.orbitaltherapy.com)

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