

HIL APPLIED MEDICAL

Next-Generation Accelerators for Proton-Beam Therapy

HIL'S INNOVATION

HIL Applied Medical, a spin-off of the Hebrew University in Jerusalem, is developing a new class of proton accelerators, based on high-intensity lasers and nanotech targets.

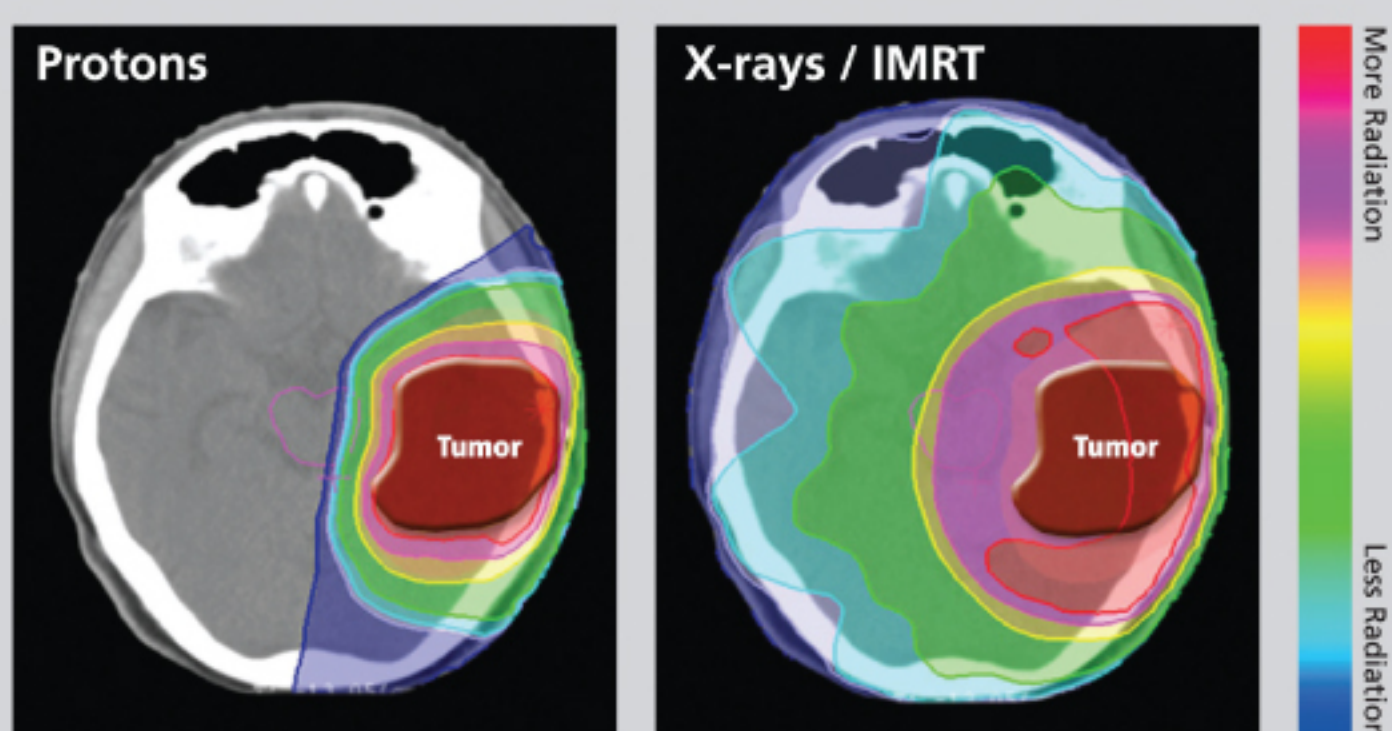
HIL's technological breakthrough enables a dramatic reduction in the size, complexity and cost of a proton therapy system - bringing this important modality to every hospital and patient.



PROTON THERAPY – AN UNMET NEED

Proton beam therapy is the most advanced form of radiotherapy, reducing damage to surrounding healthy tissue by up to 70% compared to state-of-the-art X-ray. For example, protons may reduce the lifetime risk of secondary cancer in children by 98%.

Prohibitive costs - \$150-250M per center - limit proton therapy's availability to 2-5% of demand: serving 6-8k Americans annually out of 250-300k good candidates.



PROTONS ARE USED ROUTINELY FOR TREATING OVER 28 TYPES OF CANCER.

