

- About Proton Therapy

In proton therapy, the proton beam is directed at the precise depth of the tumor, causing little damage to the surrounding normal tissues. Proton therapy is expected to improve the quality of life for patients by enabling them to receive cancer treatment without significantly changing their daily lives.

- Current Status of Proton Therapy and B dot Medical's Approach

Proton therapy is currently available only to a limited number of patients and is not as common as the conventional radiation (photon) therapy. The reason for this is the high cost of construction and the space needed for installation in a hospital campus. Therefore, there are only 111 proton therapy facilities in operation around the world (as of 2020), very few compared to conventional radiation therapy.

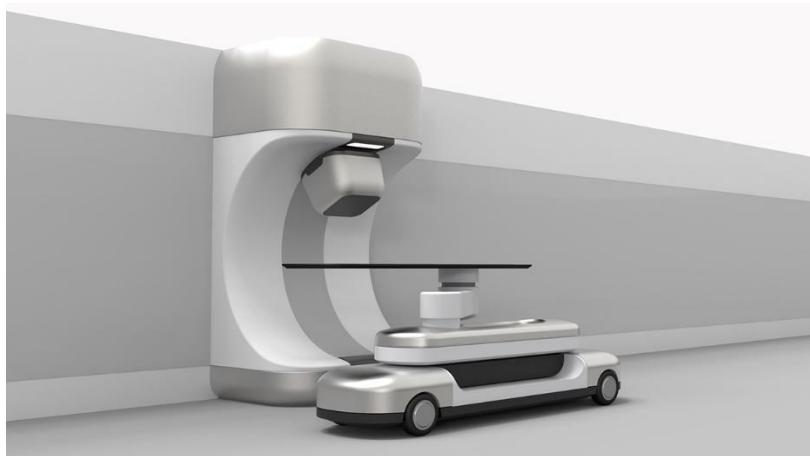


Image: Ultra-compact proton therapy system under development

B dot Medical has developed an ultra-compact proton therapy system, which is far more compact than the conventional ones, reducing to a size comparable to a linac system. The new development is expected to contribute to a significant increase in the number of proton therapy facilities by promoting its construction in urban areas where it has been difficult to do so until now, or in hospitals that had previously declined to consider it due to the cost.