

Hitachi's heavy ion beam therapy system starts treatment at Osaka

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Hitachi, Ltd. announced that its heavy ion beam therapy system has started treatment at Osaka Heavy Ion Therapy Center as of October 16. This marks the first operation of Hitachi's first heavy ion therapy system.

The system, consisting of two treatment rooms with vertical and horizontal ports and one treatment room with horizontal and oblique ports, is equipped with scanning technology for treating certain forms of cancer and will have the feature of real-time image gating for tracking movement of organs during respiration. Hitachi has also delivered particle therapy treatment planning will utilize imaging data and calculate the appropriate dose to prepare the most suitable, patient-specific treatment plans.

Osaka Heavy Ion Therapy Center, located in the heart of Osaka city with easy access and a view of Osaka Castle, has adopted a universal design concept in accordance with basic principles of safety and comfort and aims to deliver more pleasant cancer treatments to patients. The patient and medical staff friendly system and spatial design have been highly acclaimed, resulting in the winning of 2018 Good Design Award sponsored by the Japan Institute of Design Promotion, a public interest incorporated foundation.

Hitachi has been proactively promoting the particle therapy business worldwide, supplying world-class facilities with its highly reliable and proven particle therapy systems that have treated more than 16,000 patients. Hitachi integrated Mitsubishi Electric Corporation's particle therapy system business in June 2018 into its own business unit.

Hitachi will utilize the technology with their experience in particle therapy system and contribute in providing cutting edge radiation therapy. Under the new structure, Hitachi will provide products and services with higher performance and added value, including a Single Room Solution and a Hybrid System combined with the capabilities of proton and carbon therapy.

As Hitachi expands its healthcare business, it will continue to accelerate the globalization of its particle therapy system business and contribute to cancer treatment around the world.