BioSpectrum
the business of Bio & Health Sciences
ASIA EDITION

Mitsubishi proton system aids cancer therapy in Japan

October 1, 2013 | News | By BioSpectrum Bureau



Singapore: Mitsubishi Electric to supply its proton beam therapy system for cancer treatment to Tsuyama Chuo Hospital, Japan, led by Mr Yoshinori Ukita, president of Tsuyama Jifu Group, in Okayama.

Mitsubishi Electric recently constructed a new proton therapy system for cancer treatment at its Energy Systems Center in Kobe, Japan. It started testing the new technology, including a high dose-rate beam delivery system that reduces the irradiation time to one-fourth of the current level.Ã?Â

The system provided to Tsuyama Hospital will be the first particle therapy system for patients in southern Japan. The system will be part of a new treatment center expected to open in March 2016 that will be jointly operated with Okayama University.

The proton system features universal nozzle with high dose-rate capability. Testing is being performed using an in-house test proton beam facility at Mitsubishi Electric's Kobe factory to obtain government approval in a timely manner. Mitsubishi Electric also provides staff training and commissioning support to facilitate the early start up of treatment.

Okayama University and Tsuyama Chuo Hospital Proton Beam Cancer Center, which is led by Mr Shigeatsu Fujiki, president, Tsuyama Chuo Hospital; Mr Kiyoshi Morita, president, Okayama University and Mr Susumu Kanazawa, professor and chairman of Department of Radiology, Okayama University Medical School, will offer proton cancer treatment through research and education.