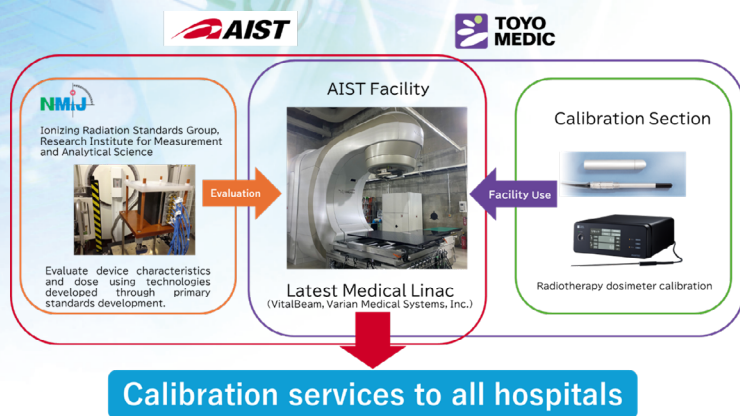


JCSS calibration service for radiotherapy dosimeters utilizing AIST facility

SHIMIZU Morihito

Radiation therapy, which treats cancer by irradiating tumors with high-energy photon and electron beams generated by medical linear accelerators, is performed at more than 800 facilities, treating approximately 250,000 patients annually in Japan. In April 2025, a new JCSS calibration service for radiotherapy dosimeters—used for clinical dose measurements during radiation therapy—was launched. This service is expected to reduce uncertainties in dose measurements at radiation therapy facilities, thereby enhancing the reliability and safety of radiation therapy.



Calibration Service Provided through Collaboration between AIST and Toyo Medic Co., Ltd.

This JCSS calibration service was made possible through the use of medical linear accelerator facility, whose radiation doses and characteristics have been accurately evaluated based on research conducted by NMIJ. Companies can access this facility under AIST's facility utilization program. By leveraging this program, other companies can also utilize AIST's other facilities including NMIJ's research outcomes, to deliver higher-quality products and services.

If you are interested in this opportunity, please feel free to contact NMIJ.

Reference (in Japanese):

https://www.aist.go.jp/aist_j/press_release/pr2025/pr20250214/pr20250214.html