

Japan's Canon introduces deep-learning reconstruction for cardiac CT scans

29 November 2021 | News

Aquilion ONE / PRISM edition now offers Precise IQ Engine (PIQE) DLR and SilverBeam Filter

Japan-based Canon Medical is breaking ground once again with the introduction of Precise IQ Engine (PIQE) DLR and SilverBeam filter in the latest version of the Aquilion ONE / PRISM edition.

PIQE, super-resolution deep-learning reconstruction technology for cardiac CT scans, delivers exceptional cardiac CT image quality by maximizing spatial resolution without reducing low-contrast detectability or increasing dose.

SilverBeam, an X-ray beam shaping energy filter, provides CT lung cancer screening images of high quality and low noise at the radiation dose closer to a typical chest X-ray exam.

The Aquilion ONE / PRISM Edition integrates artificial intelligence (AI) technology, powered by Altiivity (Canon Medical's bold, new AI brand), on a wide-area CT platform, to maximize conventional and spectral CT capabilities that may be available with automated workflows, while providing deep clinical insights to assist physicians in making more informed decisions across the patient care cycle. To make it even easier for clinicians, the fully integrated end-to-end workflow is easy to use and can be incorporated into routine protocols.