





Keeping imaging departments up-to-date with state-of-the-art technology was listed as a top priority in a survey.¹

However, innovation is not always easily accessible.

Making Innovation Accessible in Radiology

"AiCE for PET images give radiologist more confidence, can pick lesions easier and make reading faster."²



Providing advanced technologies and workflow solutions

Artificial Intelligence for CT³



- Advanced Intelligent Clear-IQ (AiCE) fully integrates Deep Learning Reconstruction (DLR) technology with sharp, clear, and distinct images, at low dose
- AiCE supports improved image quality and dose reduction

Artificial Intelligence for PET



- Advanced Intelligent Clear-IQ Engine (AiCE) uses Deep Learning Reconstruction (DLR) for a next-generation approach to image reconstruction
- AiCE can be used to improve image quality and reduce scan times⁴

Clear Adaptive Low-noise Method (CaLM)



- Preserves detail and lesion contrast while reducing overall image noise
- Superior performance in suppressing noise without time penalty compared to reconstruction without CaLM



Digital PET detector

- Improved image guality
- Faster scan times
- Optimized injected doses⁸

Small footprint, big performance³



- Up to 160 slices per gantry rotation⁹
- 27 cm axial PET field of view
- 10'3" x 23'3" small scan room¹⁰



¹Source: IMV 2019 Global Imaging Market Outlook Report

²The clinical results, performance and views described are the experience of the clinicians. Results may vary due to clinical setting, patient presentation and other factors ³Optional

⁴Bing Bai, Ph.D., DABSNM et al. Advanced intelligent Clear-IQ Engine (AiCE) Deep Learning Reconstruction for PET Imaging with Cartesion Prime Digital PET/CT, 2021 ⁵Standard on Cartesion Prime and optional on Čelesteion ⁶Data on file. Individual costs associated with purchase, siting, and maintenance will vary by vendor, institution and contractual agreements

- ⁷Available on Cartesion Prime
- ⁸Optimization of injected dose is only recommended within the dosing ranges that appear in approved drug labeling ⁹The coneXact double slice and detector upgrade is required to obtain additional reconstructed slices in a single axial rotation

Canon Medical typical drawings are shown with 36" around systems to meet most ADA requirements. Rooms smaller than shown are subject to evaluation based on local codes ¹¹Driessen RS, et al. J Am Coll. Cardiol 2019:73:161-73, figure adapted from table 4



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