INSTINX

Instinctive user experience

CT scanning is easier than ever before

Canon introduces INSTINX, a total workflow experience redesigned from the ground up to set new standards in efficiency and consistency. Every detail of the workflow has been thoroughly refined based on clinical testing in medical centers around the world. Now every operation is more intuitive and can be learned faster than ever before. This ease of use contributes to work satisfaction, time savings and flexible allocation of staff.

Automatic scan planning

Enjoy fully automatic scan planning for all routine exams to save time, reduce workflow steps and ensure consistent results for all patient exams. Automated scan planning is not new, but Canon have introduced a level of accuracy with the 3D landmark scan that was previously not possible using 2D scout images. The scan planning step in INSTINX is performed once within the protocol setup using a human avatar encoded with anatomical start and end positions for all routine exams.

3D Landmark Scan

Take the guesswork out of the scan planning with the axial image preview provided by the 3D Landmark Scan, an ultra-low dose helical scan using SilverBeam Filter that replaces traditional 2D scout views at no additional dose.
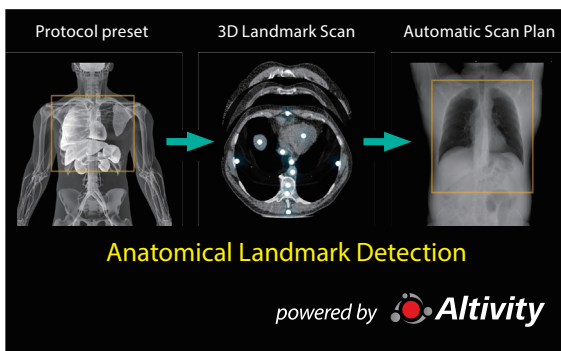
Anatomical Landmark Detection

Using the landmarks identified in the patient's 3D Landmark Scan, AI-enabled Anatomical Landmark Detection (ALD) technology sets the course for highly accurate and efficient scan planning.

Protocol preset   3D Landmark Scan   Automatic Scan Plan

Anatomical Landmark Detection

powered by **Altivity**
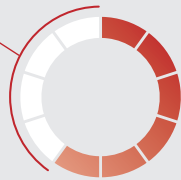

Zero-click results

Obtain fast results with zero-click workflows to correct positional asymmetry in brain scans or easily review the ribs with Open Rib*. Similarly, remove bone, calcium & stents with subtraction CT (SCT) imaging.

* Available on Vitrea Advanced Visualization workstation
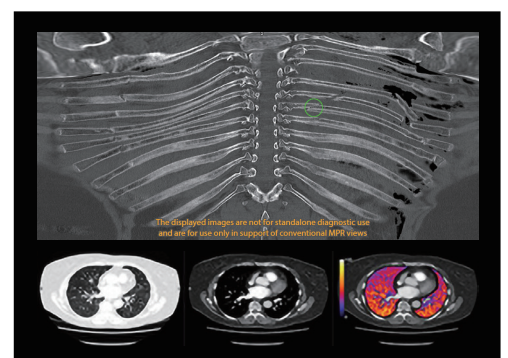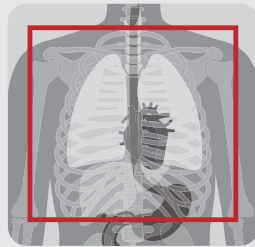
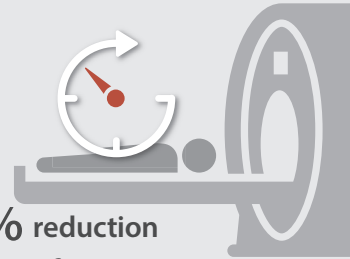# Reduce time and ensure consistent results

40% reduction
in workflow steps

More consistent scan planning between technologists and **reduction in the number of clicks** with ALD[*1]

Easy to learn operations

24% reduction
in time to perform scan planning with ALD[*1]

97%
ALD accuracy for automatic scan planning [*2]

*1 Based on a study performed at Hakujyuji Hospital, Japan with 40 cases, 10 technologists comparing manual scan planning on Aquilion ONE with automatic scan planning on Aquilion Serve for body examinations.

*2 Based on an ALD evaluation of 240 3D Landmark scans (40 Head, 200 Body) 3D landmark scan data. Cases in which the relevant anatomic landmark(s) were not present (9) were excluded. 97% accuracy is based on results within +/- 1 cm of target start, end, and FOV position, confirmed by two experienced CT Technologists.

"INSTINX automatically sets the scan range with ALD, and that makes it easy for anyone to set the scan plan, reduces the entire exam time and improves patient throughput."

Hiroyuki Yamaguchi
Section Chief, Department of Radiological Technology, Hakujyuji Hospital, Fukuoka, Japan

Auto scan planning automatically sets the following:

· **FOV**
· **Start/end positions**
· **Exposure parameters**

"I spent just three hours learning with the applications specialist and could then confidently scan with the INSTINX Platform on my own on the very first day I was trained. By the next day I was teaching one of my colleagues. That's how easy it is."

Gabrielle James
Radiographer in Charge, South Coast Radiology, Burleigh, Queensland, Australia

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INSTINX is available on these systems

Aquilion ONE
INSIGHT Edition

Aquilion Serve SP

Aquilion Serve

CANON MEDICAL SYSTEMS CORPORATION
https://global.medical.canon

Made For life