

APPLICATION

Create single volume acquisition that covers the entire scan range while providing the ability to optimize the correct pitch factors needed for varying types of anatomy.

The applicable CT systems are shown below.

CHVH-001A/1

SYSTEM MODEL	
Aquilion ONE	TSX-301A/2*
	TSX-301B*
Aquilion	TSX-101A/N
	TSX-101A/E**, /H**, /J
	TSX-101A/D**, /I**, /K

*: V4.4 or later

**: V3.3 or later

CHVH-001A/2

SYSTEM MODEL	
Aquilion ONE	TSX-306A/1-3
	TSX-305A/1-6
	TSX-301C/1-8
	TSX-301A/4
Aquilion Precision	TSX-304A/1-4
Aquilion Prime SP	TSX-303B/1, /4, /5, /6, /8, /9
Aquilion PRIME	TSX-303A/1, /2, /5, /A, /B, /F, /L, /M, /T
	TSX-302A/1, /2
Aquilion Serve	TSX-307A/1, /2
Aquilion Exceed LB	TSX-202A/1-3
Aquilion	TSX-101A/Q, /T
Aquilion Lightning	TSX-036A/1, /4, /7
	TSX-035A/2, /4, /5, /7, /8

CHVH-001A/0*

SYSTEM MODEL	
Aquilion ONE	TSX-306A/1-3
	TSX-305A/1-6
Aquilion Precision	TSX-304A/1-4
Aquilion Prime SP	TSX-303B/1, /4, /5, /6, /8, /9
Aquilion Serve	TSX-307A/1, /2
Aquilion Exceed LB	TSX-202A/1-3
Aquilion Lightning	TSX-036A/1, /4, /7
	TSX-035A/2, /4, /5, /7, /8

*: Depends on region

Note: ECG-gated scan and ECG-gated reconstruction is mandatory for systems with system software before V6.0.

Some systems may not be available in your country or region.
Please check with your sales representative.

FEATURES

- Two helical scans with different helical pitches can be performed as a single helical scan procedure. One of the two helical scans can be set to ECG-gated helical scan. For the system with system software V8.1 or later, one of the three helical scans can be set to ECG-gated helical scan.
- Instead of the conventional method using two overlapped helical scans, a single helical scan procedure is performed to acquire images for both scanning fields, which lowers the possibility of losing the timing of contrast enhancement in the second scan and reduces the exposure dose.
- This option is especially useful when cardiac and vascular images are to be acquired with a single contrast injection, and both cardiac and vascular images can be observed as a single volume image.
As a result, time-consuming procedures are minimized and the processing time for scanning and image reading can be substantially reduced.
- When standard helical scanning is used, the image SD can be specified for each anatomical region.

COMPOSITION

CHVH-001A/1

- Media..... 1 set
- ROMs for gantry/couch control..... 1 set
- Manuals..... 1 set

CHVH-001A/2

- Media..... 1 set
- Manuals..... 1 set

CHVH-001A/0*

- License sheet..... 1
- Manuals..... 1 set

*: Depends on region

FUNCTIONS

- Number of scanning fields
Two or Three* scanning fields
 - Scan parameters that can be set separately for each scanning field
 - Helical pitch (pitch factor)
 - ECG-gating ON/OFF (ON for one scanning field only)
 - Prosp. mode or ECG modulation*
 - Tube current (including the following)
 - ^{SURE}Exposure and ^{SURE}Exposure 3D
(Note that ECG modulation is not supported.)
The SD value can be specified for each scanning field (except the scanning field in which ECG-gating is set to ON).
 - Scan range
- *: For the system with system software V8.1 or later.

- Scan slice thickness

Aquilion Lightning (TSX-035A)

16 row scan	0.5 and 1 mm
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Aquilion (TSX-101A/D, /I, /K)

32 row scan	0.5 and 1 mm
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Aquilion (TSX-101A/E, /H, /J, /N /Q, /T)

64 row scan	0.5 mm
32 row scan	0.5 and 1 mm

Aquilion PRIME (TSX-302A)

80 row scan	0.5 mm
64 row scan	0.5 mm
32 row scan	0.5 and 1 mm

Aquilion PRIME (TSX-303A), Aquilion Prime SP (TSX-303B),
Aquilion Serve (TSX-307A), Aquilion Exceed LB (TSX-202A),
Aquilion Lightning (TSX-036A)

80 row scan	0.5 mm
64 row scan	0.5 mm
40 row scan	0.5 and 1 mm

Aquilion Precision (TSX-304A)

160 row scan	0.25 mm
80 row scan	0.5 mm
40 row scan	0.5 mm

Aquilion ONE (TSX-301C, TSX-301A), Aquilion (TSX-301B)

160 row scan	0.5 mm
128 row scan	0.5 mm
100 row scan	0.5 mm
80 row scan	0.5 mm
64 row scan	0.5 mm
32 row scan	0.5 and 1 mm

Aquilion ONE (TSX-305A, TSX-306A)

160 row scan	0.5 mm
100 row scan	0.5 mm
80 row scan	0.5 mm
40 row scan	0.5 mm and 1 mm
20 row scan	0.5 mm

- Gantry tilt
The gantry tilt angle must be set to 0°.
- Settings of ECG-gated helical scan and reconstruction conditions
Same as those for ECG-gated reconstruction.

MASS

- Mass: 0.1 kg (0.2 lb)

POWER REQUIREMENTS

This system is mounted in the console and the gantry, and power is supplied from the CT system.
The ratings of the CT system have not been changed.

AMBIENT CONDITIONS

Same as those for the CT system.

CANON MEDICAL SYSTEMS CORPORATION

1385, Shimoishigami, Otawara-shi, Tochigi 324-8550, Japan

<https://global.medical.canon>

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Canon Medical Systems Corporation meets internationally recognized standards for Quality Management System ISO 9001, ISO 13485.
Canon Medical Systems Corporation meets the Environmental Management System standard ISO 14001.

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