

mOrtho Package

APPLICATION

The mOrtho Package is an optional package for Canon Medical Systems magnetic resonance imaging (MRI) systems. This package provides new imaging functions and pulse sequences that are useful for orthopedic imaging.

APPLICABLE COMBINATIONS

This package is applicable to the following system.

System	Software version
Vantage Galan 3T	V4.0 or later
Vantage Titan 3T	V2.21 or later
Vantage Orian	V4.5 or later
Vantage Fortian	V8.0 or later
Vantage Titan	V2.20 or later
Vantage Elan	V3.0 or later

COMPOSITION

Software (License)1 set
This package does not include an operation manual. Refer to the operation manual supplied with the MRI system.

PERFORMANCE SPECIFICATIONS

mVox

FASE3D mVox suppresses the signal decay due to tissue T2 relaxation and reduces the SAR level by varying the flip angle of the flop pulse for each echo, producing sharp images with suppressed blurring even with a small number of shots.

SE-AFI

For FASE3D mVox and some FFE3D sequences, AFI can be applied in the slice encode direction to reduce the scan time. When AFI in the slice encode direction is applied for dynamic scanning, scanning with a high temporal resolution becomes available.

Note: This function is available for software V2.21 or later.

VAT (View Angle Tilting)

VAT technique reduces metal related artifact caused by high off-resonance frequency. It applies extra slice direction gradient during readout to cancel the readout direction shift.

Requirements for use of VAT

Vantage Galan 3T	V4.0 or later
Vantage Titan 3T	V2.50 or later
Vantage Orian	V4.5 or later
Vantage Fortian	V8.0 or later
Vantage Titan	V3.1 or later
Vantage Elan	V3.1 or later

INSTALLATION CONDITIONS

The power and environmental conditions are the same as for the MRI system.

COMPLIANCE WITH STANDARDS

This package complies with the same standards as the MRI system.

MASS

Unit	Mass (kg)
mOrtho Package	Approx. 0.5

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