

JETTM PACKAGE

APPLICATIONS

The JET package is an optional package for the Toshiba magnetic resonance imaging (MRI) system. This package provides sequences and an imaging application that are effective for suppressing motion artifacts. It is no longer limited to brain imaging, and can now be used for whole-body imaging, including orthopedics.

COMPOSITION

- Software (License) 1 set
- Operation manual

APPLICABLE COMBINATIONS

This package is applicable to the following systems.

- Vantage TitanTM 3T

SPECIFICATIONS

JET acquires the data for the k-space in non-cartesian mode and suppresses motion artifacts by detecting and correcting for in-plane motion using the data for the central part of the k-space, which is acquired repeatedly. This application can suppress not only image artifacts in patients who are unable to remain still during scanning but also artifacts due to involuntary motion such as CSF flow.

RESTRICTIONS

For the FOV and matrix size, the size in the phase-encode direction should be the same as the size in the read-out direction when performing JET scan.

JET cannot be used in combination with SPEEDER scan, dynamic scan, or mid-slice reconstruction.

POWER AND ENVIRONMENTAL REQUIREMENTS

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)
JET package	Approx. 0.5

DRAFT



TOSHIBA MEDICAL SYSTEMS CORPORATION

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