

DRKS PACKAGE

APPLICATIONS

The DRKS package is an optional package for the Toshiba magnetic resonance imaging (MRI) system.

This package provides new pulse sequences that are effective for contrast MRA* imaging as well as new imaging functions.

* Disclaimer: In the USA, the FDA limits the use of contrast agents to certain applications.

DEFINITION OF TERMS

- DRKS (Differential Rate K-space Sampling):
This is a function that improves the temporal resolution in dynamic scanning.
- Swirl encoding:
This is a function that performs data acquisition from the center of the k-space in the slice-encode and phase-encode directions out toward the edges.

COMPOSITION

Software (License) 1 set

This package does not include an operation manual. Refer to the operation manual supplied with the MRI system.

APPLICABLE COMBINATIONS

This package is applicable to the following systems.

- Vantage Titan™ 3T

In order to use this package, the optional MRA package (model MSSW-MRA/S1) must be installed in the MRI system.

PERFORMANCE SPECIFICATIONS

FFE3D DRKS (Differential Rate K-space Sampling)

This package improves the apparent temporal resolution of images acquired using the k-space dividing technique in dynamic scan with FFE3D pulse sequences. Combined use with the Swirl encoding method is supported. This improves stability in the temporal phase direction. Furthermore, even when the Swirl encoding method is used in combination, FatSat can be applied as in conventional FFE3D.

Performance

Temporal resolution speed-up factor: Maximum 3

RESTRICTIONS

Only "Interleaving" can be selected for Segment Type.

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)
DRKS package	Approx. 0.5

DRAFT



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