

# Resource Summary Report

Generated by [PRECISE-TBI](#) on Sep 8, 2026

## DWI/DTI Quality Control Tool: DTIPrep

RRID:SCR\_009562

Type: Tool

### Proper Citation

DWI/DTI Quality Control Tool: DTIPrep (RRID:SCR\_009562)

### Resource Information

**URL:** <https://github.com/hjmjohnson/DTIPrep>

**Proper Citation:** DWI/DTI Quality Control Tool: DTIPrep (RRID:SCR\_009562)

**Description:** DTIPrep performs a Study-specific Protocol based automatic pipeline for DWI/DTI quality control and preparation. This is both a GUI and command line tool. The configurable pipeline includes image/diffusion information check, padding/Cropping of data, slice-wise, interlace-wise and gradient-wise intensity and motion check, head motion and Eddy current artifact correction, and DTI computing.

**Abbreviations:** DTIPrep

**Resource Type:** software application, software resource

**Keywords:** c++, linux, microsoft, magnetic resonance, nrrd, posix/unix-like, win32 (ms windows), windows, windows xp, dti

**Availability:** BSD License

**Resource Name:** DWI/DTI Quality Control Tool: DTIPrep

**Resource ID:** SCR\_009562

**Alternate IDs:** nlx\_155742

**Alternate URLs:** <http://www.nitrc.org/projects/dtiprep>

**Record Creation Time:** 20220129T080253+0000

**Record Last Update:** 20260905T133253+0000

### Ratings and Alerts

No rating or validation information has been found for DWI/DTI Quality Control Tool: DTIPrep.

No alerts have been found for DWI/DTI Quality Control Tool: DTIPrep.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 4 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [PRECISE-TBI](#) .

Kim I, et al. (2026) Long-term associations between perinatal factors and white matter microstructure at 8-10?years. *Frontiers in human neuroscience*, 20, 1729276.

Kim ES, et al. (2026) Tract-specific white matter microstructure associated with early cognitive development in infants. *Neuroimage. Reports*, 6(2), 100336.

Cao D, et al. (2025) Free Water Corrected Diffusion Magnetic Resonance Imaging Reveals Microstructural Alterations in Corpus Callosum Subregions of Preschool Children With Autism. *Human brain mapping*, 46(18), e70435.

Nevarez-Brewster M, et al. (2024) Association between prenatal maternal sleep quality, neonatal uncinate fasciculus white matter, and infant negative emotionality. *EBioMedicine*, 109, 105384.