Resource Summary Report

Generated by Kravitz on Sep 10, 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

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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.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 4 mentions in open access literature.

Listed below are recent publications. The full list is available at Kravitz .

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.