## **Resource Summary Report**

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# **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

Funding:

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:** 20250522T060608+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 1 mentions in open access literature.

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

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