

# Resource Summary Report

Generated by [nidm-terms](#) on Jul 29, 2026

## GTRACT

RRID:SCR\_009651

Type: Tool

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### Proper Citation

GTRACT (RRID:SCR\_009651)

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### Resource Information

**URL:** <http://www.nitrc.org/projects/vmagnotta/>

**Proper Citation:** GTRACT (RRID:SCR\_009651)

**Description:** A Diffusion Tensor fiber tracking software suite that includes streamline tracking tools. The fiber tracking includes a guided tracking tool that integrates apriori information into a streamlines algorithm. This suite of programs is built using the NA-MIC toolkit and uses the Slicer3 execution model framework to define the command line arguments. These tools can be fully integrated with Slicer3 using the module discovery capabilities of Slicer3. NOTE: All new development is being managed in a github repository. Please visit, <https://github.com/BRAINSia/BRAINSTools>

**Abbreviations:** GTRACT

**Synonyms:** Guided Tensor Restore Anatomical Connectivity Tractography

**Resource Type:** software application, software toolkit, software resource, data processing software, image processing software, image analysis software

**Defining Citation:** [PMID:16631385](#)

**Keywords:** c++, dicom, macos, microsoft, modeling, morphology, magnetic resonance, nifti, posix/unix-like, quantification, tensor metric, tractography, windows, dti, diffusion tensor fiber tracking, fiber tracking, nrrd, algorithm, connectivity

**Related Condition:** Aging

**Funding:** NARSAD ;  
NINDS R01NS050568-01A2S1;  
NINDS 5R01NS040068-04;  
NIMH 5R01MH063405-04;  
NIMH 5R01MH031593-23;  
NIMH 2R01MH040856-17A2;

NIA 5K23AG020649-03;  
NIDCR 5R01DE014399-04

**Availability:** BSD License

**Resource Name:** GTRACT

**Resource ID:** SCR\_009651

**Alternate IDs:** nlx\_155992

**Record Creation Time:** 20220129T080254+0000

**Record Last Update:** 20260729T044228+0000

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## Ratings and Alerts

No rating or validation information has been found for GTRACT.

No alerts have been found for GTRACT.

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## Data and Source Information

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

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## Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Bijanki KR, et al. (2015) Depressive symptoms related to low fractional anisotropy of white matter underlying the right ventral anterior cingulate in older adults with atherosclerotic vascular disease. *Frontiers in human neuroscience*, 9, 408.

Matsui JT, et al. (2014) Diffusion weighted imaging of prefrontal cortex in prodromal Huntington's disease. *Human brain mapping*, 35(4), 1562.