

# Resource Summary Report

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## BRAINSConstellationDetector

RRID:SCR\_012856

Type: Tool

### Proper Citation

BRAINSConstellationDetector (RRID:SCR\_012856)

### Resource Information

**URL:**

<https://github.com/BRAINSia/BRAINSTools/tree/master/BRAINSConstellationDetector>

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**Description:** This program will find the mid-sagittal plane, the AC, PC, and mpj points in an image, and create an AC/PC aligned data set with the AC point at the center of the voxel lattice (labeled at the origin of the image physical space.) This work is an extension of the algorithms originally described by Dr. Babak A. Ardekani, Alvin H. Bachman, Model-based automatic detection of the anterior and posterior commissures on MRI scans, NeuroImage, Volume 46, Issue 3, 1 July 2009, Pages 677-682, ISSN 1053-8119, DOI: 10.1016/j.neuroimage.2009.02.030.

(<http://www.sciencedirect.com/science/article/B6WNP-4VRP25C-4/2/8207b962a38aa83c822c6379bc43fe4c>)

**Abbreviations:** BRAINSConstellationDetector

**Resource Type:** software resource

**Keywords:** analyze, application, c++, dicom, fiducial, magnetic resonance, nifti, nrrd, registration, software, spatial transformation

**Availability:** Creative Commons License

**Resource Name:** BRAINSConstellationDetector

**Resource ID:** SCR\_012856

**Alternate IDs:** nlx\_155697

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

**Record Creation Time:** 20220129T080312+0000

**Record Last Update:** 20260912T195754+0000

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## Ratings and Alerts

No rating or validation information has been found for BRAINSConstellationDetector.

No alerts have been found for BRAINSConstellationDetector.

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## Data and Source Information

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

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## Usage and Citation Metrics

We have not found any literature mentions for this resource.