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 (la beled at the origin of the image physical space.) This work is an extention 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, N euroImage, 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

Funding:

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: 20250410T070311+0000

Ratings and Alerts

No rating or validation information has been found for BRAINSConstellationDetector.

No alerts have been found for BRAINSConstellationDetector.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We have not found any literature mentions for this resource.