Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 24, 2025

Rodent Cortical Thickness Analysis

RRID:SCR_002539
Type: Tool

Proper Citation

Rodent Cortical Thickness Analysis (RRID:SCR_002539)

Resource Information

URL: https://github.com/mjacquem/RodentThickness

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Description: An automatic cortical thickness measurement tool for rat brains. The pipeline consists of four steps: preprocessing to create binary mask and label map, thickness measurement which produces laplacian field and thickness map in order, run particle correspondence followed by statistical analysis resulting in mean thickness color map and t-test result. By running RodentThickness, you will need to fill in informations in a Graphical User Interface, and then compute. You can also run the tool in command line without using the GUI. Using the GUI, you will be able to save or load a dataset file or a configuration file. The tool needs these other tools to work, so be sure to have these installed on your computer: * ImageMath * measureThicknessFilter * GenParaMeshCLP * ParaToSPHARMMeshCLP * ShapeWorksRun * ShapeWorksGroom * SegPostProcessCLP * BinaryToDistanceMap * MeshPointsIntensitysampling

Synonyms: RodentThickness

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

Keywords: microscopy, magnetic resonance

Funding:

Availability: BSD License

Resource Name: Rodent Cortical Thickness Analysis

Resource ID: SCR_002539

Alternate IDs: nlx_155946

Alternate URLs: http://www.nitrc.org/projects/rodentthickness

Record Creation Time: 20220129T080214+0000

Record Last Update: 20250424T064558+0000

Ratings and Alerts

No rating or validation information has been found for Rodent Cortical Thickness Analysis.

No alerts have been found for Rodent Cortical Thickness Analysis.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We have not found any literature mentions for this resource.