

Resource Summary Report

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Morphometry BIRN

RRID:SCR_000155

Type: Tool

Proper Citation

Morphometry BIRN (RRID:SCR_000155)

Resource Information

URL: <http://www.birncommunity.org/current-users/morphometry-birn/>

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Description: THIS RESOURCE IS NO LONGER IN SERVICE. Documented on August 4th, 2023. Calibration data set of spoiled gradient-recalled echo magnetic resonance imaging data from five healthy volunteers (four males and one female) scanned twice at four sites having 1.5T systems from different vendors (Siemens, GE, Marconi Medical Systems) pooled by the Morphometry Testbed's (MBIRN). Some subjects were also scanned a single time at another site. One subject was only scanned twice at three sites (subject 73213384) and once at another site. For each subject, four Fast Low-Angle Shot (FLASH) scans with flip angles of 3, 5, 20, and 30 degrees were obtained in a single scan session, from which tissue proton density and T1 maps can be derived. These data were acquired to investigate various metrics of within-site and across-site reproducibility. The images have been defaced so that no facial features can be reconstructed from these data. The Morphometry Testbed (MBIRN) of the Biomedical Informatics Research Network (BIRN) focused on pooling and analyzing of neuroimaging data acquired at multiple sites. Specific applications include potential relationships between anatomical differences and specific memory dysfunctions, such as Alzheimer's disease. With the completion of the initial BIRN testbed phase, each of the original BIRN testbeds have now been retired in order to focus on new users in other biomedical domains.

Abbreviations: MBIRN

Synonyms: Morphometry BIRN Multi-site Multi-session Structural MRI Data, Brain Morphometry Testbed, Morphometry Testbed, mBIRN_calib, mbirn calibration

Resource Type: data or information resource, data set

Keywords: morphometry, mri, neuroinformatics, subcortical, dicom, magnetic resonance, nifti, quantification, segmentation, visualization, workflow, image collection, structural mri, male, female, neuroimaging

Funding:

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: Morphometry BIRN

Resource ID: SCR_000155

Alternate IDs: nif-0000-00069

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

Record Creation Time: 20220129T080159+0000

Record Last Update: 20250507T055848+0000

Ratings and Alerts

No rating or validation information has been found for Morphometry BIRN.

No alerts have been found for Morphometry BIRN.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.