Resource Summary Report

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MGH Center for Morphometric Analysis

RRID:SCR_000885
Type: Tool

Proper Citation

MGH Center for Morphometric Analysis (RRID:SCR_000885)

Resource Information

URL: http://www.cma.mgh.harvard.edu/

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Description: A center dedicated to developing and applying morphometric methods to biomedical imaging data such as high-resolution MRI. The lab uses automated and semi-automated software such that MRI brain images are segmented into anatomical regions of interest. Projects in both basic and applied brain research include research on strokes and tumors; medical image processing research includes shape analysis of anatomical brain regions and measurement and analysis of brain volumes.

Resource Type: material resource, instrument supplier

Keywords: brain, neuroscience, imaging, mri, magnetic resonance imaging, morphometric, biomedical, software, automated, anatomy

Funding:

Resource Name: MGH Center for Morphometric Analysis

Resource ID: SCR_000885

Alternate IDs: nlx_156387

Alternate URLs: http://harvard.eagle-i.net/i/0000012e-9721-d0fd-55da-381e80000000

Record Creation Time: 20220129T080204+0000

Record Last Update: 20250411T054621+0000

Ratings and Alerts

No rating or validation information has been found for MGH Center for Morphometric Analysis.

No alerts have been found for MGH Center for Morphometric Analysis.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 15 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF.

Yanagihara TK, et al. (2017) Quantitative Analysis of the Spatial Distribution of Metastatic Brain Lesions. Tomography (Ann Arbor, Mich.), 3(1), 16.

Matt E, et al. (2017) Early dysfunctions of fronto-parietal praxis networks in Parkinson's disease. Brain imaging and behavior, 11(2), 512.

Bartel F, et al. (2017) Regional analysis of volumes and reproducibilities of automatic and manual hippocampal segmentations. PloS one, 12(2), e0166785.

Haupt M, et al. (2017) The zero effect: voxel-based lesion symptom mapping of number transcoding errors following stroke. Scientific reports, 7(1), 9242.

Lukinova E, et al. (2016) Impact of Short Social Training on Prosocial Behaviors: An fMRI Study. Frontiers in systems neuroscience, 10, 60.

Dillen KNH, et al. (2016) Aberrant functional connectivity differentiates retrosplenial cortex from posterior cingulate cortex in prodromal Alzheimer's disease. Neurobiology of aging, 44, 114.

Agosta F, et al. (2014) Resting state functional connectivity alterations in primary lateral sclerosis. Neurobiology of aging, 35(4), 916.

Gruber M, et al. (2014) [Pheochromocytoma: update on diagnosis and therapy]. Deutsche medizinische Wochenschrift (1946), 139(10), 486.

Haller A, et al. (2014) Sunk costs in the human brain. NeuroImage, 97, 127.

Koopmans PJ, et al. (2012) Whole brain, high resolution spin-echo resting state fMRI using PINS multiplexing at 7 T. NeuroImage, 62(3), 1939.

Delmonte S, et al. (2012) Social and monetary reward processing in autism spectrum disorders. Molecular autism, 3(1), 7.

Broser PJ, et al. (2012) Functional MRI-guided probabilistic tractography of cortico-cortical and cortico-subcortical language networks in children. NeuroImage, 63(3), 1561.

Broser P, et al. (2011) Robust subdivision of the thalamus in children based on probability distribution functions calculated from probabilistic tractography. NeuroImage, 57(2), 403.

Walhovd KB, et al. (2010) Multi-modal imaging predicts memory performance in normal aging and cognitive decline. Neurobiology of aging, 31(7), 1107.

Walhovd KB, et al. (2009) Multimodal imaging in mild cognitive impairment: Metabolism, morphometry and diffusion of the temporal-parietal memory network. NeuroImage, 45(1), 215.