Resource Summary Report

Generated by ASWG on Apr 29, 2025

MultiTracer

RRID:SCR_002445
Type: Tool

Proper Citation

MultiTracer (RRID:SCR_002445)

Resource Information

URL: http://air.bmap.ucla.edu/MultiTracer2/MultiTracer.html

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Description: A Java application that allows images to be displayed in three dimensions. The tool allows anatomic structures to be traced and the tracings to be saved in a format that facilitates review and revision. It supports NIfTI-1.1 format float, double and signed and unsigned byte, short, and integer formats and provides legacy support for Analyze 7.5 8 and 16 bit images. It provides image display, editing, delineation of structure boundaries, export of traced contours and generation of masked volumes. Images are displayed in 3 orthogonal views. Time series can be displayed as averaged or contrast images and time courses can be visualized graphically. Version 2 provides enhancements to the original MultiTracer feature set.

Abbreviations: MultiTracer

Synonyms: MultiTracer version 2

Resource Type: data visualization software, data processing software, software resource, software application

Defining Citation: PMID:12948737

Keywords: analyze, computed tomography, image display, java, manual, magnetic resonance, nifti, os independent, pet, spect, region growing, segmentation, three dimensional display, two dimensional display, visualization, volumetric analysis

Funding:

Availability: LONI Software License, Free, Non-commercial

Resource Name: MultiTracer

Resource ID: SCR_002445

Alternate IDs: nlx_155819

Alternate URLs: http://www.nitrc.org/projects/multitracer2

Record Creation Time: 20220129T080213+0000

Record Last Update: 20250429T054734+0000

Ratings and Alerts

No rating or validation information has been found for MultiTracer.

No alerts have been found for MultiTracer.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 11 mentions in open access literature.

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

Miles M, et al. (2021) Effects of Prenatal Alcohol Exposure on the Volumes of the Lateral and Medial Walls of the Intraparietal Sulcus. Frontiers in neuroanatomy, 15, 639800.

Nogovitsyn N, et al. (2019) Testing a deep convolutional neural network for automated hippocampus segmentation in a longitudinal sample of healthy participants. NeuroImage, 197, 589.

Machts J, et al. (2018) Global Hippocampal Volume Reductions and Local CA1 Shape Deformations in Amyotrophic Lateral Sclerosis. Frontiers in neurology, 9, 565.

Blanken AE, et al. (2017) Associations between hippocampal morphometry and neuropathologic markers of Alzheimer's disease using 7 T MRI. NeuroImage. Clinical, 15, 56.

Randall SR, et al. (2017) Larger Subcortical Gray Matter Structures and Smaller Corpora Callosa at Age 5 Years in HIV Infected Children on Early ART. Frontiers in neuroanatomy,

11, 95.

Teipel SJ, et al. (2016) Predictors of cognitive decline and treatment response in a clinical trial on suspected prodromal Alzheimer's disease. Neuropharmacology, 108, 128.

Chalavi S, et al. (2015) Abnormal hippocampal morphology in dissociative identity disorder and post-traumatic stress disorder correlates with childhood trauma and dissociative symptoms. Human brain mapping, 36(5), 1692.

Cole JH, et al. (2015) Subregional Hippocampal Morphology and Psychiatric Outcome in Adolescents Who Were Born Very Preterm and at Term. PloS one, 10(6), e0130094.

Bruno D, et al. (2015) A study on the specificity of the association between hippocampal volume and delayed primacy performance in cognitively intact elderly individuals. Neuropsychologia, 69, 1.

van Erp TG, et al. (2012) Hippocampal morphology in lithium and non-lithium-treated bipolar I disorder patients, non-bipolar co-twins, and control twins. Human brain mapping, 33(3), 501.

Brun CC, et al. (2009) Mapping brain abnormalities in boys with autism. Human brain mapping, 30(12), 3887.