

Resource Summary Report

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Wisconsin White Matter Hyperintensities Segmentation Toolbox

RRID:SCR_009652

Type: Tool

Proper Citation

Wisconsin White Matter Hyperintensities Segmentation Toolbox (RRID:SCR_009652)

Resource Information

URL: <https://www.nitrc.org/projects/w2mhs/>

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Description: An open source MATLAB toolbox designed for detecting and quantifying White Matter Hyperintensities(WMH) in Alzheimer?s and aging related neurological disorders.Our toolbox provides a self-sufficient set of tools for segmenting these WMHs reliably and further quantifying their burden for down-processing studies. WMHs arise as bright regions on T2-weighted FLAIR images. They reflect comorbid neural injury or cerebral vascular disease burden. Their precise detection is of interest in Alzheimer?s disease (AD) with regard to its prognosis.

Abbreviations: W2MHS

Synonyms: WM Hyperintensities Segmentation Toolbox

Resource Type: data processing software, image analysis software, segmentation software, software application, software library, software resource, software toolkit

Keywords: computational neuroscience, matlab, nifti, white matter hyperintensity, c++, matlab, ms windows

Related Condition: Alzheimer's disease, Aging, Neurological disorder

Availability: Academic Free License

Resource Name: Wisconsin White Matter Hyperintensities Segmentation Toolbox

Resource ID: SCR_009652

Alternate IDs: nlx_156021

Record Creation Time: 20220129T080254+0000

Record Last Update: 20260905T132636+0000

Ratings and Alerts

No rating or validation information has been found for Wisconsin White Matter Hyperintensities Segmentation Toolbox.

No alerts have been found for Wisconsin White Matter Hyperintensities Segmentation Toolbox.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 2 mentions in open access literature.

Listed below are recent publications. The full list is available at [Kravitz](#) .

Huang K, et al. (2022) The role of asymmetrical prominent veins sign in early neurological deterioration of acute ischemic stroke patients. Frontiers in neurology, 13, 860824.

Park BY, et al. (2018) DEWS (DEep White matter hyperintensity Segmentation framework): A fully automated pipeline for detecting small deep white matter hyperintensities in migraineurs. NeuroImage. Clinical, 18, 638.