

Resource Summary Report

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MRTool

RRID:SCR_015956

Type: Tool

Proper Citation

MRTool (RRID:SCR_015956)

Resource Information

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

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Description: Software toolkit for analysis of MR brain imaging data. MRTool runs on Apple computers and PCs and requires SPM12.

Resource Type: data or information resource, portal, topical portal

Defining Citation: [DOI:10.1007/s12021-018-9355-3](https://doi.org/10.1007/s12021-018-9355-3)

Keywords: brain, imaging, neuroimaging, analysis, magnetic, resonance, mr

Availability: Free, Available for download, Runs on MAC OS, Runs on Windows

Resource Name: MRTool

Resource ID: SCR_015956

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Record Creation Time: 20220129T080328+0000

Record Last Update: 20260905T132801+0000

Ratings and Alerts

No rating or validation information has been found for MRTool.

No alerts have been found for MRTool.

Data and Source Information

Usage and Citation Metrics

We found 14 mentions in open access literature.

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

Quid?? Y, et al. (2026) Cerebellar Tissue Properties Alterations in Fibromyalgia: A T1w/T2w Ratio Study. Human brain mapping, 47(3), e70467.

Kang MJY, et al. (2026) Improved dietary control results in improvements in indices of white matter structure in adults with phenylketonuria: the ReDAPT study. Acta neuropsychiatrica, 38, e39.

Iwabuchi T, et al. (2025) Specific Association Patterns Between Brain Glutathione Levels, Myelination, and Functional Connectivity in Adults With Autism Spectrum Disorder. Autism research : official journal of the International Society for Autism Research, 18(12), 2451.

De Meo E, et al. (2025) The temporal dynamics and clinical relevance of choroid plexus measures in multiple sclerosis. Brain communications, 7(3), fcac239.

Ganzetti M, et al. (2025) SynSpine: an automated workflow for the generation of longitudinal spinal cord synthetic MRI data. Frontiers in neuroinformatics, 19, 1649440.

Da X, et al. (2024) Noninvasive Gamma Sensory Stimulation May Reduce White Matter and Myelin Loss in Alzheimer's Disease. Journal of Alzheimer's disease : JAD, 97(1), 359.

Denis C, et al. (2023) T1-/T2-weighted ratio reveals no alterations to gray matter myelination in temporal lobe epilepsy. Annals of clinical and translational neurology, 10(11), 2149.

Boroshok AL, et al. (2023) Individual differences in T1w/T2w ratio development during childhood. Developmental cognitive neuroscience, 62, 101270.

Filimonova E, et al. (2023) Assessment of normal myelination in infants and young children using the T1w/T2w mapping technique. Frontiers in neuroscience, 17, 1102691.

Sanada T, et al. (2022) Correlation of T1- to T2-weighted signal intensity ratio with T1- and T2-relaxation time and IDH mutation status in glioma. Scientific reports, 12(1), 18801.

Yamamoto S, et al. (2022) Prediction and Visualization of Non-Enhancing Tumor in Glioblastoma via T1w/T2w-Ratio Map. Brain sciences, 12(1).

Li J, et al. (2021) Transcriptomic and macroscopic architectures of intersubject functional variability in human brain white-matter. Communications biology, 4(1), 1417.

Thapaliya K, et al. (2020) Mapping of pathological change in chronic fatigue syndrome using the ratio of T1- and T2-weighted MRI scans. Neurolmage. Clinical, 28, 102366.

Luo X, et al. (2019) Application of T1-/T2-Weighted Ratio Mapping to Elucidate Intracortical Demyelination Process in the Alzheimer's Disease Continuum. Frontiers in

neuroscience, 13, 904.