

Resource Summary Report

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MRlcro Software

RRID:SCR_008264

Type: Tool

Proper Citation

MRlcro Software (RRID:SCR_008264)

Resource Information

URL: <http://www.cabiatl.com/micro/>

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Description: MRlcro allows Windows and Linux computers view medical images. It is a standalone program, but includes tools to complement SPM (software that allows neuroimagers to analyze MRI, fMRI and PET images). MRlcro allows efficient viewing and exporting of brain images. In addition, it allows neuropsychologists to identify regions of interest (ROIs, e.g. lesions). MRlcro can create Analyze format headers for exporting brain images to other platforms. Some features of MRlcro are: - Converts medical images to SPM friendly Analyze format. - View Analyze format images (big or little endian). - Create Analyze format headers (big or little endian). - Create 3D regions of interest (with computed volume & intensity). - Overlap multiple regions of interest. - Rotate images to match SPM template images. - Export images to BMP, JPEG, PNG or TIF format. - Yoked images: linked viewing of multiple images (e.g. view same coordinates of PET and MRI scans). Users familiar with other Windows programs will find that this software is fairly straightforward to use. Resting the mouse cursor over a button will cause a text hint to appear over the button. However, a tutorial with a step by step guide of how to use MRlcro with SPM is available.

Synonyms: MRlcro

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

Keywords: export, fmri, 3d, brain, intensity, lesions, medical, mri, neuroimager, neuropsychologist, pet, platform, region, software, view, volume, image

Funding:

Resource Name: MRlcro Software

Resource ID: SCR_008264

Alternate IDs: nif-0000-23298

Record Creation Time: 20220129T080246+0000

Record Last Update: 20250418T055157+0000

Ratings and Alerts

No rating or validation information has been found for MRlcro Software.

No alerts have been found for MRlcro Software.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 873 mentions in open access literature.

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

Zhu Y, et al. (2024) Abnormal Functional Connectivity Intra- and Inter-Network in Resting-State Brain Networks of Patients with Toothache. *Journal of pain research*, 17, 2111.

Biondo N, et al. (2024) Mapping sentence comprehension and syntactic complexity: evidence from 131 stroke survivors. *Brain communications*, 6(6), fcae379.

Zhao JL, et al. (2024) Characteristics of central cortex and upper-limb flexors synchrony oxygenation during grasping in people with stroke: a controlled trial study protocol. *Frontiers in human neuroscience*, 18, 1409148.

Song H, et al. (2024) Atypical effective connectivity from the frontal cortex to striatum in alcohol use disorder. *Translational psychiatry*, 14(1), 381.

Oh J, et al. (2024) Effect of Low-Intensity Transcranial Focused Ultrasound Stimulation in Patients With Major Depressive Disorder: A Randomized, Double-Blind, Sham-Controlled Clinical Trial. *Psychiatry investigation*, 21(8), 885.

Cuccarini V, et al. (2024) Response assessment of GBM during immunotherapy by delayed contrast treatment response assessment maps. *Frontiers in neurology*, 15, 1374737.

Kaur J, et al. (2024) The Association between Glymphatic System and Perivascular Macrophages in Brain Waste Clearance. *Diagnostics (Basel, Switzerland)*, 14(7).

Lee S, et al. (2024) A Potential Radiomics-Clinical Model for Predicting Failure of Lymph Node Control after Definite Radiotherapy in Locally Advanced Head and Neck Cancer. *Medicina (Kaunas, Lithuania)*, 60(1).

Golfrè Andreasi N, et al. (2024) The Optimal Targeting for Focused Ultrasound Thalamotomy Differs between Dystonic and Essential Tremor: A 12-Month Prospective Pilot Study. *Movement disorders clinical practice*, 11(1), 69.

Tang QY, et al. (2024) Machine Learning Analysis Classifies Patients with Primary Angle-Closure Glaucoma Using Abnormal Brain White Matter Function. *Clinical ophthalmology (Auckland, N.Z.)*, 18, 659.

Pang X, et al. (2024) Cortical morphological alterations in adolescents with major depression and non-suicidal self-injury. *NeuroImage. Clinical*, 44, 103701.

Tanase AD, et al. (2024) Visual contrast sensitivity is associated with community structure integrity in cognitively unimpaired older adults: the Brain Networks and Mobility (B-NET) Study. *Aging brain*, 6, 100122.

Nagasaka K, et al. (2024) Brain activity changes after high/low frequency stimulation in a nonhuman primate model of central post-stroke pain. *Scientific reports*, 14(1), 16527.

Mak A, et al. (2024) Automated detection of early signs of irreversible ischemic change on CTA source images in patients with large vessel occlusion. *PloS one*, 19(6), e0304962.

Li L, et al. (2024) Effects of parietal iTBS on resting-state effective connectivity within the frontoparietal network in patients with schizophrenia: An fMRI study. *NeuroImage. Clinical*, 45, 103715.

Tian P, et al. (2024) The value of nomogram based on MRI functional imaging in differentiating cerebral alveolar echinococcosis from brain metastases. *European journal of medical research*, 29(1), 499.

Vander Pol SL, et al. (2024) Sirenomelia: An anatomical assessment and genetic sex determination of two cases. *Journal of anatomy*, 244(6), 1093.

Fernandes M, et al. (2024) Sleep Fragmentation and Sleep-Wake Cycle Dysregulation Are Associated with Cerebral Tau Burden in Patients with Mild Cognitive Impairment due to Alzheimer's Disease: A Case Series. *Journal of Alzheimer's disease reports*, 8(1), 1275.

Tong Y, et al. (2024) Impaired interhemispheric synchrony in patients with iridocyclitis and classification using machine learning: an fMRI study. *Frontiers in immunology*, 15, 1474988.

Bao H, et al. (2024) The Spatial Distribution of Brain Metastasis Is Determined by the Heterogeneity of the Brain Microenvironment. *Human brain mapping*, 45(18), e70103.