Resource Summary Report

Generated by NIF on May 24, 2025

ALVIN

RRID:SCR_009527
Type: Tool

Proper Citation

ALVIN (RRID:SCR_009527)

Resource Information

URL: http://sites.google.com/site/mrilateralventricle/

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Description: A fully automated algorithm which works within SPM8 to segment the lateral ventricles from structural MRI images. The algorithm has been validated in infants, adults and patients with Alzheimer's disease (ICC>0.95). ALVIN is insensitive to different scanner sequences (ICC>0.99, 8 different sequences 1.5T and 3T) and sensitive to changes in ventricular volume. Processing time is approx 10mins per subject.

Abbreviations: ALVIN

Synonyms: ALVIN - Automatic Lateral Ventricle delIneatioN, Automatic Lateral Ventricle delIneatioN, ALVIN - Lateral Ventricle Segmentation

Resource Type: software resource, software application

Keywords: magnetic resonance, quantification, region of interest, segmentation, software, volume measurement, volumetric analysis, volumetric analysis

Funding:

Availability: GNU General Public License

Resource Name: ALVIN

Resource ID: SCR_009527

Alternate IDs: nlx_155690

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

Record Creation Time: 20220129T080253+0000

Record Last Update: 20250524T060309+0000

Ratings and Alerts

No rating or validation information has been found for ALVIN.

No alerts have been found for ALVIN.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

El Hajj Moussa F, et al. (2024) Enhancement of Benzene Emissions in Special Combinations of Electronic Nicotine Delivery System Liquid Mixtures. Chemical research in toxicology, 37(2), 227.

Talih S, et al. (2023) Effects of Aftermarket Electronic Cigarette Pods on Device Power Output and Nicotine, Carbonyl, and ROS Emissions. Chemical research in toxicology, 36(12), 1930.

Zachariou V, et al. (2021) Healthy dietary intake moderates the effects of age on brain iron concentration and working memory performance. Neurobiology of aging, 106, 183.

Zachariou V, et al. (2020) Cortical iron disrupts functional connectivity networks supporting working memory performance in older adults. NeuroImage, 223, 117309.

Pezzoli S, et al. (2018) Meta-analysis of regional white matter volume in bipolar disorder with replication in an independent sample using coordinates, T-maps, and individual MRI data. Neuroscience and biobehavioral reviews, 84, 162.