Resource Summary Report

Generated by NIF on Jul 31, 2026

ASL data processing tool box

RRID:SCR_005997
Type: Tool

Proper Citation

ASL data processing tool box (RRID:SCR_005997)

Resource Information

URL: http://www.nitrc.org/projects/asltbx

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Description: Tool box for arterial spin labeled perfusion MRI data processing. It is based on SPM and Matlab. More detailed documentation can be found in asl_perf_subtract.m, the main function for calculating CBF value. It supports 3D or 4D Analyze or Nifiti format and PASL, CASL, and PCASL data. It contains the code for calculating CBF and a set of SPM batch scripts for preprocessing and statistical analysis.

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

Keywords: quantification, statistical operation, spm, arterial spin label, perfusion, mri, matlab, magnetic resonance

Availability: GNU General Public License

Resource Name: ASL data processing tool box

Resource ID: SCR_005997

Alternate IDs: nlx_151371

Record Creation Time: 20220129T080233+0000

Record Last Update: 20260801T042619+0000

Ratings and Alerts

No rating or validation information has been found for ASL data processing tool box.

No alerts have been found for ASL data processing tool box.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Szturm T, et al. (2021) Changes in Metabolic Activity and Gait Function by Dual-Task Cognitive Game-Based Treadmill System in Parkinson's Disease: Protocol of a Randomized Controlled Trial. Frontiers in aging neuroscience, 13, 680270.

Evans S, et al. (2018) Using event-related fMRI to examine sustained attention processes and effects of APOE ??4 in young adults. PloS one, 13(6), e0198312.

Evans S, et al. (2017) Disrupted neural activity patterns to novelty and effort in young adult APOE-e4 carriers performing a subsequent memory task. Brain and behavior, 7(2), e00612.