Resource Summary Report

Generated by PRECISE-TBI on Sep 8, 2026

FMRIB's Automated Segmentation Tool

RRID:SCR_024920
Type: Tool

Proper Citation

FMRIB's Automated Segmentation Tool (RRID:SCR_024920)

Resource Information

URL: https://fsl.fmrib.ox.ac.uk/fsl/fslwiki/FAST

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Description: Software tool to segment 3D image of brain into different tissue types like Grey Matter, White Matter, CSF, etc., whilst also correcting for spatial intensity variations also known as bias field or RF inhomogeneities. Used to perform tissue type segmentation and bias field correction.

Abbreviations: FAST

Synonyms: FAST:FMRIB's Automated Segmentation Tool, Functional Magnetic Resonance Imaging of the Brain's Automated Segmentation Tool

Resource Type: software application, software resource

Keywords: Functional Magnetic Resonance Imaging of the Brain, segment 3D image of brain, segment 3D image, brain image, different tissue types, spatial intensity variations corrections, bias field, RF inhomogeneities,

Availability: Free, Freely available

Resource Name: FMRIB's Automated Segmentation Tool

Resource ID: SCR_024920

Record Creation Time: 20240129T210604+0000

Record Last Update: 20260905T133445+0000

Ratings and Alerts

No rating or validation information has been found for FMRIB's Automated Segmentation Tool.

No alerts have been found for FMRIB's Automated Segmentation Tool.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 8 mentions in open access literature.

Listed below are recent publications. The full list is available at PRECISE-TBI .

Yan X, et al. (2025) Dynamic prefrontal coupling coordinates adaptive decision-making. Research square.

Pareto D, et al. (2025) Image analysis research in neuroradiology: bridging clinical and technical domains. Neuroradiology, 67(7), 1649.

Rosada C, et al. (2024) Effects of stress-related neuromodulators on amygdala and hippocampus resting state functional connectivity. Journal of psychopharmacology (Oxford, England), 38(7), 604.

Diorio TC, et al. (2024) MRI-based quantification of cardiac-driven brain biomechanics for early detection of neurological disorders. bioRxiv : the preprint server for biology.

Gaiser C, et al. (2024) Population-wide cerebellar growth models of children and adolescents. Nature communications, 15(1), 2351.

Chattopadhyay T, et al. (2024) Comparison of deep learning architectures for predicting amyloid positivity in Alzheimer's disease, mild cognitive impairment, and healthy aging, from T1-weighted brain structural MRI. Frontiers in neuroscience, 18, 1387196.

Allison EY, et al. (2024) Association of Arterial Stiffness Index and Brain Structure in the UK Biobank: A 10-Year Retrospective Analysis. Aging and disease, 15(4), 1872.

Uddin MN, et al. (2022) The comorbidity and cognition in multiple sclerosis (CCOMS) neuroimaging protocol: Study rationale, MRI acquisition, and minimal image processing pipelines. Frontiers in neuroimaging, 1, 970385.