Resource Summary Report

Generated by <u>NIF</u> on May 23, 2025

Brain Extraction Tool

RRID:SCR_014586 Type: Tool

Proper Citation

Brain Extraction Tool (RRID:SCR_014586)

Resource Information

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

Proper Citation: Brain Extraction Tool (RRID:SCR_014586)

Description: Software tool which deletes non-brain tissue from image of the whole head and estimates both internal and external skull surfaces.

Abbreviations: BET2, BET

Synonyms: Brain Extraction Tool (BET), Brain Extraction Tool (BET2)

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

Keywords: delete non-brain tissue from image, whole head, internal and external skull surfaces estimation,

Funding:

Availability: Free, Freely available

Resource Name: Brain Extraction Tool

Resource ID: SCR_014586

Alternate URLs: http://poc.vl-e.nl/distribution/manual/fsl-3.2/bet2/

Record Creation Time: 20220129T080321+0000

Record Last Update: 20250523T055034+0000

Ratings and Alerts

No rating or validation information has been found for Brain Extraction Tool.

No alerts have been found for Brain Extraction Tool.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 12 mentions in open access literature.

Listed below are recent publications. The full list is available at <u>NIF</u>.

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.

Naser PV, et al. (2024) Deep learning aided preoperative diagnosis of primary central nervous system lymphoma. iScience, 27(2), 109023.

Giacometti C, et al. (2024) Differential functional organization of amygdala-medial prefrontal cortex networks in macaque and human. Communications biology, 7(1), 269.

Lipka R, et al. (2024) No changes in triple network engagement following (combined) noradrenergic and glucocorticoid stimulation in healthy men. Social cognitive and affective neuroscience, 19(1).

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.

Garcia M, et al. (2024) 3D CNN for neuropsychiatry: Predicting Autism with interpretable Deep Learning applied to minimally preprocessed structural MRI data. PloS one, 19(10), e0276832.

Bramati IE, et al. (2019) Lower limb amputees undergo long-distance plasticity in sensorimotor functional connectivity. Scientific reports, 9(1), 2518.

Drummond C, et al. (2019) Narrative impairment, white matter damage and CSF biomarkers in the Alzheimer's disease spectrum. Aging, 11(20), 9188.

Garibotto V, et al. (2019) Higher nicotinic receptor availability in the cingulo-insular network is associated with lower cardiac parasympathetic tone. The Journal of comparative neurology, 527(18), 3014.

Bachtiar V, et al. (2018) Modulating Regional Motor Cortical Excitability with Noninvasive Brain Stimulation Results in Neurochemical Changes in Bilateral Motor Cortices. The Journal of neuroscience : the official journal of the Society for Neuroscience, 38(33), 7327.

Krishnan ML, et al. (2016) Possible relationship between common genetic variation and white matter development in a pilot study of preterm infants. Brain and behavior, 6(7), e00434.

Aghakhani Y, et al. (2015) Co-localization between the BOLD response and epileptiform discharges recorded by simultaneous intracranial EEG-fMRI at 3 T. NeuroImage. Clinical, 7, 755.