

Resource Summary Report

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FMRIB's Linear Image Registration Tool

RRID:SCR_024922

Type: Tool

Proper Citation

FMRIB's Linear Image Registration Tool (RRID:SCR_024922)

Resource Information

URL: <https://fsl.fmrib.ox.ac.uk/fsl/fslwiki/FLIRT>

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Description: Software automated robust and accurate tool for linear (affine) intra- and inter-modal brain image registration.

Abbreviations: FLIRT

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

Keywords: linear, affine, intra, inter, modal, brain, image, registration, brain image registration,

Availability: Free, Freely available

Resource Name: FMRIB's Linear Image Registration Tool

Resource ID: SCR_024922

Record Creation Time: 20240129T210604+0000

Record Last Update: 20260811T043744+0000

Ratings and Alerts

No rating or validation information has been found for FMRIB's Linear Image Registration Tool.

No alerts have been found for FMRIB's Linear Image Registration Tool.

Data and Source Information

Usage and Citation Metrics

We found 17 mentions in open access literature.

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

Fiscione C, et al. (2026) Quantitative susceptibility mapping in myotonic dystrophy: clinical relevance of subcortical iron accumulation. *Brain communications*, 8(1), fcag017.

Xu Z, et al. (2025) Association of decreased visibility on deep medullary vein gray-matter volume mediated by increased extracellular fluid in the white matter of patients with cerebral small vessel disease. *Quantitative imaging in medicine and surgery*, 15(2), 1371.

Liao Z, et al. (2025) One-stop early noninvasive evaluation of renal allograft rejection and fibrosis: microstructural mapping via time-dependent diffusion MRI. *EBioMedicine*, 122, 106034.

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

Hu J, et al. (2025) Regional changes in cerebral perfusion with age when accounting for changes in gray-matter volume. *Magnetic resonance in medicine*, 93(4), 1807.

Feng F, et al. (2024) Different patterns of structural network impairments in two amyotrophic lateral sclerosis subtypes driven by 18F-fluorodeoxyglucose positron emission tomography/magnetic resonance hybrid imaging. *Brain communications*, 6(5), fcae222.

Suzuki Y, et al. (2024) High-angular resolution diffusion imaging generation using 3d u-net. *Neuroradiology*, 66(3), 371.

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.

Raghavan M, et al. (2024) Gamma amplitude-envelope correlations are strongly elevated within hyperexcitable networks in focal epilepsy. *Scientific reports*, 14(1), 17736.

Wainberg M, et al. (2024) Genetic architecture of the structural connectome. *Nature communications*, 15(1), 1962.

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*.

Ghezzi C, et al. (2024) Effect of Jardiance on glucose uptake into astrocytomas. *Journal of neuro-oncology*, 169(2), 437.

Trang H, et al. (2024) A quantitative multi-parameter mapping protocol standardized for clinical research in multiple sclerosis. *Scientific reports*, 14(1), 30481.

Suarez-Jimenez B, et al. (2024) Intrusive Traumatic Re-Experiencing Domain: Functional Connectivity Feature Classification by the ENIGMA PTSD Consortium. *Biological psychiatry global open science*, 4(1), 299.

Abdelgawad A, et al. (2023) Predicting longitudinal brain atrophy in Parkinson's disease using a Susceptible-Infected-Removed agent-based model. *Network neuroscience* (Cambridge, Mass.), 7(3), 906.

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.