

Resource Summary Report

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NiftyFit

RRID:SCR_014301

Type: Tool

Proper Citation

NiftyFit (RRID:SCR_014301)

Resource Information

URL: <https://cmiclab.cs.ucl.ac.uk/CMIC/NiftyFit-Release>

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Description: Software package for multi-parametric model-fitting of 4D Magnetic Resonance Imaging data. Software library to facilitate voxel wise fitting on a number of datatypes including T1 and T2 relaxometry, Arterial Spin Labeled MRI, Diffusion Weighted Imaging and Dynamic Contrast Enhanced MRI. T

Resource Type: software library, software toolkit, software resource

Defining Citation: [PMID:26972806](https://pubmed.ncbi.nlm.nih.gov/26972806/)

Keywords: software library, voxel wise fit, relaxometry, mri, bio.tools

Funding: MRC ;
NIHR ;
EPSRC ;
NIHR BRC

Availability: Free, Available for download, Freely available

Resource Name: NiftyFit

Resource ID: SCR_014301

Alternate IDs: biotools:niftyfit, BioTools:niftyfit

Alternate URLs: <https://github.com/KCL-BMEIS/niftyreg>, <https://bio.tools/niftyfit>, <https://bio.tools/niftyfit>, <https://bio.tools/niftyfit>

License: BSD

Record Creation Time: 20220129T080320+0000

Ratings and Alerts

No rating or validation information has been found for NiftyFit.

No alerts have been found for NiftyFit.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 9 mentions in open access literature.

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

Zhao Y, et al. (2025) Pulmonary regional blood flow: validation of low-dose two-volume dynamic CT perfusion imaging in a swine model. *European radiology experimental*, 9(1), 17.

Soskic S, et al. (2025) Thalamus involvement in genetic frontotemporal dementia assessed using structural and diffusion MRI: a GENFI study. *Brain communications*, 7(6), fcaf420.

Calvi A, et al. (2024) Treatment reduces the incidence of newly appearing multiple sclerosis lesions evolving into chronic active, slowly expanding lesions: A retrospective analysis. *European journal of neurology*, 31(1), e16092.

Yang X, et al. (2024) White Matter Magnetic Resonance Diffusion Measures in Multiple Sclerosis with Overactive Bladder. *Brain sciences*, 14(10).

Fidon L, et al. (2021) A spatio-temporal atlas of the developing fetal brain with spina bifida aperta. *Open research Europe*, 1, 123.

Weston PSJ, et al. (2020) Measuring cortical mean diffusivity to assess early microstructural cortical change in presymptomatic familial Alzheimer's disease. *Alzheimer's research & therapy*, 12(1), 112.

Smith LA, et al. (2019) Cortical cerebral blood flow in ageing: effects of haematocrit, sex, ethnicity and diabetes. *European radiology*, 29(10), 5549.

Lane CA, et al. (2017) Study protocol: Insight 46 - a neuroscience sub-study of the MRC National Survey of Health and Development. *BMC neurology*, 17(1), 75.

Melbourne A, et al. (2016) NiftyFit: a Software Package for Multi-parametric Model-Fitting of 4D Magnetic Resonance Imaging Data. *Neuroinformatics*, 14(3), 319.