

# Resource Summary Report

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## Brain Intensity AbNormality Classification Algorithm

RRID:SCR\_024928

Type: Tool

### Proper Citation

Brain Intensity AbNormality Classification Algorithm (RRID:SCR\_024928)

### Resource Information

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

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**Description:** Software tool for automated segmentation of white matter hyperintensities. Classifies image's voxels based on their intensity and spatial features, and the output image represents the probability per voxel of being WMH. Flexible in terms of MRI modalities to use and offers different options for weighting spatial information, local spatial intensity averaging, and different options for choice of number and location of training points.

**Abbreviations:** BIANCA

**Synonyms:** BIANKA:Brain Intensity AbNormality Classification Algorithm

**Resource Type:** software application, software resource, data processing software, segmentation software, image analysis software

**Defining Citation:** [PMID:27402600](#)

**Keywords:** images voxels classification, automated segmentation of white matter hyperintensities, white matter hyperintensities,

**Funding:** Wellcome Trust ;  
Wolfson Foundation ;  
UK Stroke Association ;  
NIHR Oxford Biomedical Research Centre

**Availability:** Free, Freely available

**Resource Name:** Brain Intensity AbNormality Classification Algorithm

**Resource ID:** SCR\_024928

**Record Creation Time:** 20240129T210604+0000

**Record Last Update:** 20260729T044612+0000

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## Ratings and Alerts

No rating or validation information has been found for Brain Intensity AbNormality Classification Algorithm.

No alerts have been found for Brain Intensity AbNormality Classification Algorithm.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 3 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [nidm-terms](#) .

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

Lazzarotto A, et al. (2024) Time is myelin: early cortical myelin repair prevents atrophy and clinical progression in multiple sclerosis. *Brain : a journal of neurology*, 147(4), 1331.

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.