

Resource Summary Report

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VBM toolbox

RRID:SCR_014196

Type: Tool

Proper Citation

VBM toolbox (RRID:SCR_014196)

Resource Information

URL: <http://dbm.neuro.uni-jena.de/vbm/>

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Description: A collection of extensions to the segmentation algorithm of SPM2, SPM5, and SPM8 to provide voxel-based morphometry. The toolboxes are named according to the SPM version. The software is available to the scientific community under the terms of the GNU General Public License. VBM subpages can be accessed from the VBM website.

Synonyms: Voxel Based Morphometry Toolbox

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

Keywords: software toolbox, segmentation, extension, voxel based morphometry

Resource Name: VBM toolbox

Resource ID: SCR_014196

Record Creation Time: 20220129T080319+0000

Record Last Update: 20260821T194017+0000

Ratings and Alerts

No rating or validation information has been found for VBM toolbox.

No alerts have been found for VBM toolbox.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 415 mentions in open access literature.

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

Zhao Y, et al. (2026) Forecasting individualized progression of Alzheimer's disease using structural MRI and population spatiotemporal priors. *Frontiers in aging neuroscience*, 18, 1691084.

Laczó M, et al. (2026) Spatial pattern separation deficits in early Alzheimer's disease are comparable in humans and animal models. *Scientific reports*, 16(1), 6020.

Hu L, et al. (2025) Disrupted neurovascular coupling in patients with lung cancer after chemotherapy. *Quantitative imaging in medicine and surgery*, 15(9), 7820.

Laczó M, et al. (2025) Spatial navigation deficits in early Alzheimer's disease: the role of biomarkers and APOE genotype. *Journal of neurology*, 272(6), 438.

Chen Y, et al. (2024) Topological regularization of networks in temporal lobe epilepsy: a structural MRI study. *Frontiers in neuroscience*, 18, 1423389.

Wei HL, et al. (2024) Exploring potential neuroimaging biomarkers for the response to non-steroidal anti-inflammatory drugs in episodic migraine. *The journal of headache and pain*, 25(1), 104.

Chen X, et al. (2024) Alterations of amygdala volume and functional connectivity in migraine patients comorbid with and without depression. *Brain and behavior*, 14(2), e3427.

Zhang K, et al. (2024) Brain structure and function differences across varying levels of endurance training: a cross-sectional study. *Frontiers in human neuroscience*, 18, 1503094.

Laczó M, et al. (2024) Spatial navigation questionnaires as a supportive diagnostic tool in early Alzheimer's disease. *iScience*, 27(6), 109832.

Sato H, et al. (2024) Characteristics of Alzheimer's Disease and Mild Cognitive Impairment Influenced by the Time of Onset. *Dementia and geriatric cognitive disorders extra*, 14(1), 81.

Yu C, et al. (2023) Alterations of brain gray matter volume in children with obstructive sleep apnea. *Frontiers in neurology*, 14, 1107086.

Zhao R, et al. (2023) Whole-brain structure-function coupling abnormalities in mild cognitive impairment: a study combining amplitude of low-frequency fluctuations and voxel-based morphometry. *Frontiers in neuroscience*, 17, 1236221.

Minich M, et al. (2023) Neural correlates associated with conformity in adolescent and young adult men. *Developmental cognitive neuroscience*, 60, 101215.

Correa DD, et al. (2023) Neuroimaging and Neurocognitive Outcomes in Older Patients with Multiple Myeloma Treated with Chemotherapy and Autologous Stem Cell Transplantation. Research square.

Müller-Miny L, et al. (2023) Association of polysialic acid serum levels with schizophrenia spectrum and bipolar disorder-related structural brain changes and hospitalization. Scientific reports, 13(1), 2085.

Kong L, et al. (2023) Neurological soft signs and structural network changes: a longitudinal analysis in first-episode schizophrenia. BMC psychiatry, 23(1), 20.

Zhu W, et al. (2023) Using support vector machine to explore the difference of function connection between deficit and non-deficit schizophrenia based on gray matter volume. Frontiers in neuroscience, 17, 1132607.

Putra HA, et al. (2023) Adult attention-deficit/hyperactivity disorder traits in healthy adults associated with brain volumetric data identify precuneus involvement in traffic crashes. Scientific reports, 13(1), 22466.

Ligges C, et al. (2022) Cross-Sectional Investigation of Brain Volume in Dyslexia. Frontiers in neurology, 13, 847919.

Wang S, et al. (2022) White matter is increased in the brains of adults with neurofibromatosis 1. Orphanet journal of rare diseases, 17(1), 115.