Resource Summary Report

Generated by ASWG on Aug 19, 2026

cortex

RRID:SCR_002467
Type: Tool

Proper Citation

cortex (RRID:SCR_002467)

Resource Information

URL: https://sites.google.com/a/brain.org.au/ctp/

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Description: Software package with functions that will help researchers plan how many subjects per group need to be included in an MRI-based cortical thickness study to ensure a thickness difference is detected. The package requires cortical thickness mapping and co-registration to be carried out using Freesurfer. The power analyses are implemented in the R software package., THIS RESOURCE IS NO LONGER IN SERVICE. Documented on September 16,2025.

Abbreviations: cortex

Synonyms: Sample Size Estimates for Well-Powered Cross-Sectional Cortical Thickness Studies

Resource Type: software resource, software application

Defining Citation: PMID:22807270

Keywords: clinical neuroinformatics, mgh/mgz, magnetic resonance, r, surface analysis, thickness, mri, cortical thickness, morphometry, neuroimaging, power analysis, study design, bio.tools

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: cortex

Resource ID: SCR_002467

Alternate IDs: nlx_155842, biotools:cortex

Alternate URLs: http://brain.org.au/software/cortex/power, http://www.nitrc.org/projects/cortex, https://bio.tools/cortex

Record Creation Time: 20220129T080213+0000

Record Last Update: 20260818T043144+0000

Ratings and Alerts

No rating or validation information has been found for cortex.

No alerts have been found for cortex.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 374 mentions in open access literature.

Listed below are recent publications. The full list is available at ASWG .

Hahner L, et al. (2025) Volitional spatial attention is lateralized in crows. Proceedings. Biological sciences, 292(2039), 20242540.

Wigman JTW, et al. (2025) Digital health technologies in the accelerating medicines Partnership® Schizophrenia Program. Schizophrenia (Heidelberg, Germany), 11(1), 83.

Liu Y, et al. (2025) Predicting the potential habitats of two Lycium species and the quality suitability of Lycium chinense Mill. Cortex under climate change. BMC ecology and evolution, 25(1), 74.

Schmidbauer P, et al. (2025) Crows recognize geometric regularity. Science advances, 11(15), eadt3718.

Gapi?ska N, et al. (2025) Effect of SSR504734, a Selective Glycine Transporter Type 1 Inhibitor, on Seizure Thresholds, Neurotransmitter Levels, and Inflammatory Markers in Mice. ACS chemical neuroscience, 16(6), 1210.

Shaw L, et al. (2025) Projection-Specific Intersectional Optogenetics for Precise Excitation and Inhibition in the Marmoset Brain. bioRxiv : the preprint server for biology.

Xu Y, et al. (2025) Four-week heat acclimation lowers carbohydrate oxidation of trained runners during submaximal exercise in the heat. Frontiers in physiology, 16, 1581594.

Natarajan D, et al. (2025) Chronic ?3 adrenergic agonist treatment improves neurovascular coupling responses, attenuates blood-brain barrier leakage and neuroinflammation, and enhances cognition in aged mice. Aging, 17(2), 448.

Lee SH, et al. (2025) A wearable ankle-assisted robot for improving gait function and pattern in stroke patients. Journal of neuroengineering and rehabilitation, 22(1), 89.

Ouattas A, et al. (2025) Higher fall rates and broader kinematic diversity in bilateral versus unilateral unconstrained slips. PloS one, 20(8), e0328900.

Li H, et al. (2025) Impaired hippocampal circuit function underlying memory encoding and consolidation precede robust A? deposition in a mouse model of alzheimer's disease. Scientific reports, 15(1), 21957.

Vincent HK, et al. (2025) Reference biomechanical parameters and natural asymmetry among runners across the age spectrum without a history of running-related injuries. Frontiers in sports and active living, 7, 1560756.

Ma X, et al. (2025) Alzheimer's disease risk ABCA7 p.A696S variant disturbs the microglial response to amyloid pathology in mice. Neurobiology of disease, 206, 106813.

Mongay-Ochoa N, et al. (2025) Structural covariance analysis for neurodegenerative and neuroinflammatory brain disorders. Brain : a journal of neurology, 148(9), 3072.

Kasiri M, et al. (2025) Effect of EMG-activated vibrotactile biofeedback on skill learning in children with genetic and acquired dystonia during practice of a point-to-point and a cyclic task. Research square.

Bessaguet H, et al. (2025) Effect of tibialis anterior focal muscle vibration for gait rehabilitation in hemiplegic individuals during the subacute phase after stroke: the NEUROVIB-AVC study protocol - a multicentric randomised controlled trial. BMJ open, 15(5), e102838.

Wannemacher R, et al. (2025) Infection of a ?-galactosidase-deficient mouse strain with Theiler's murine encephalomyelitis virus reveals limited immunological dysregulations in this lysosomal storage disease. Frontiers in immunology, 16, 1467207.

Cha YJ, et al. (2025) Lipidomic Network Analysis Reveals Amyloid-?-Induced Lysosomal Lipid Accumulation in the Cortex and Hippocampus of 5xFAD Mice. Journal of proteome research, 24(7), 3389.

Cheng YA, et al. (2025) A neural geometry approach comprehensively explains apparently conflicting models of visual perceptual learning. Nature human behaviour, 9(5), 1023.

Promsri A, et al. (2025) Changes in Walking Stability at Different Percentages of Preferred Walking Speed in Healthy Young and Older Adults: Insights From Movement Component Analysis. TheScientificWorldJournal, 2025, 9971520.