Resource Summary Report

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UNC Human Brain Atlas

RRID:SCR_002606
Type: Tool

Proper Citation

UNC Human Brain Atlas (RRID:SCR_002606)

Resource Information

URL: http://www.nitrc.org/projects/unc_brain_atlas

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Description: Human brain atlases for adult, pediatric and elderly populations, by iterative joint deformable registration of training datasets into a single unbiased average image. Atlases packages include T1-weighted images, tissue priors (WM,GM,CSF), lobar parcellation maps and subcortical structures. Current available atlases: * Adult atlas: Symmetric atlas generated from 50+ healthy adult subjects (20-59 year old). * UNC-MNI Pediatric 1-year-old atlas: Symmetric atlas generated from 104 1-year-old subjects, combining children at high familial risk of autism and controls. * Pediatric 4-year-old atlas: Symmetric atlas generated from 10 4-year-old healthy subjects. * Elderly atlas: Atlas generated from 27 healthy elderly subjects (60+ years old). Additional information and acknowledgment for their usage can be found by clicking on the release notes.

Abbreviations: UNC Human Brain Atlas

Resource Type: atlas, reference atlas, data or information resource

Keywords: atlas data, magnetic resonance, nrrd, adult human, young human, pediatric, infant, late adult human, brain

Funding:

Availability: Creative Commons Attribution-NonCommercial-ShareAlike License

Resource Name: UNC Human Brain Atlas

Resource ID: SCR_002606

Alternate IDs: nlx_156009

Record Creation Time: 20220129T080214+0000

Record Last Update: 20250412T054721+0000

Ratings and Alerts

No rating or validation information has been found for UNC Human Brain Atlas.

No alerts have been found for UNC Human Brain Atlas.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 3 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Simhal AK, et al. (2020) Measuring robustness of brain networks in autism spectrum disorder with Ricci curvature. Scientific reports, 10(1), 10819.

Morgunova A, et al. (2020) DCC gene network in the prefrontal cortex is associated with total brain volume in childhood. Journal of psychiatry & neuroscience : JPN, 46(1), E154.

Carpenter KLH, et al. (2019) White Matter Tract Changes Associated with Clinical Improvement in an Open-Label Trial Assessing Autologous Umbilical Cord Blood for Treatment of Young Children with Autism. Stem cells translational medicine, 8(2), 138.