Resource Summary Report

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7T Structural MRI scans ATAG

RRID:SCR_014084
Type: Tool

Proper Citation

7T Structural MRI scans ATAG (RRID:SCR_014084)

Resource Information

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

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Description: Data sets from the atlasing of the basal ganglia (ATAG) consortium, which provides ultra-high resolution 7Tesla (T) magnetic resonance imaging (MRI) scans from young, middle-aged, and elderly participants. They include whole-brain and reduced field-of-view MP2RAGE and T2 scans with ultra-high resolution at a sub millimeter scale. The data can be used to develop new algorithms that help building new high-resolution atlases both in the basic and clinical neurosciences. They can also be used to inform the exact positioning of deep-brain electrodes relevant in patients with Parkinsons disease and neuropsychiatric diseases.

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

Keywords: 7t mri, data set, atlas, basal ganglia, structural mri scan, brain, human brain, probabilistic atlas

Availability: Available for download

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Ratings and Alerts

No rating or validation information has been found for 7T Structural MRI scans ATAG.

No alerts have been found for 7T Structural MRI scans ATAG.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Song M, et al. (2021) Feasibility of short imaging protocols for [18F]PI-2620 tau-PET in progressive supranuclear palsy. European journal of nuclear medicine and molecular imaging, 48(12), 3872.

Criaud M, et al. (2021) The Human Basal Ganglia Mediate the Interplay between Reactive and Proactive Control of Response through Both Motor Inhibition and Sensory Modulation. Brain sciences, 11(5).

Rahmani F, et al. (2020) Intact microstructure of the right corticostriatal pathway predicts creative ability in healthy adults. Brain and behavior, 10(12), e01895.

Keuken MC, et al. (2017) Effects of aging on T?, T?*, and QSM MRI values in the subcortex. Brain structure & function, 222(6), 2487.

Keuken MC, et al. (2015) The subthalamic nucleus during decision-making with multiple alternatives. Human brain mapping, 36(10), 4041.

Keuken MC, et al. (2015) A probabilistic atlas of the basal ganglia using 7 T MRI. Data in brief, 4, 577.