

Resource Summary Report

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FP-CIT SPECT brain template in MNI space

RRID:SCR_013668

Type: Tool

Proper Citation

FP-CIT SPECT brain template in MNI space (RRID:SCR_013668)

Resource Information

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

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Description: The FP-CIT SPECT brain template has been created using a fully automatic procedure involving posterization of the source image to three levels: background, brain and striatum. We performed a spatial affine registration of these 40 posterized source images to a posterized reference image in the MNI space. The intensity values of the transformed images is normalized linearly, assuming that the histogram of the intensity values follows an alpha-stable distribution. Lastly, we built the [123I]FP-CIT SPECT template by the mean of the transformed and normalized images. More info: 1) Salas-Gonzalez et al. Building a FP-CIT SPECT brain template using a posterization approach. Accepted in Neuroinformatics. 2) Salas-Gonzalez et al. Linear intensity normalization of FP-CIT SPECT brain images using the alpha-stable distribution. NeuroImage, Volume 65, 2013, pp. 449-455. <http://dx.doi.org/10.1016/j.neuroimage.2...>

Resource Type: software library, software resource, software toolkit

Keywords: SPECT, MRI, MNI

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Availability: Attribution Non-Commercial Share Alike

Resource Name: FP-CIT SPECT brain template in MNI space

Resource ID: SCR_013668

Alternate IDs: SciRes_000197

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Record Creation Time: 20220129T080317+0000

Record Last Update: 20260829T182441+0000

Ratings and Alerts

No rating or validation information has been found for FP-CIT SPECT brain template in MNI space.

No alerts have been found for FP-CIT SPECT brain template in MNI space.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Salas-Gonzalez D, et al. (2015) Building a FP-CIT SPECT Brain Template Using a Posterization Approach. Neuroinformatics, 13(4), 391.