

# Resource Summary Report

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## FP-CIT SPECT brain template in MNI space

RRID:SCR\_013668

Type: Tool

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### Proper Citation

FP-CIT SPECT brain template in MNI space (RRID:SCR\_013668)

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### Resource Information

**URL:** [http://www.nitrc.org/projects/fp\\_cit\\_atlas](http://www.nitrc.org/projects/fp_cit_atlas)

**Proper Citation:** FP-CIT SPECT brain template in MNI space (RRID:SCR\_013668)

**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 toolkit, software resource, software library

**Keywords:** SPECT, MRI, MNI

**Funding:** MICINN of Spain TEC2008-02113;  
MICINN of Spain TEC2012-34306;  
Consejeria de Innovacion Ciencia y Empresa Excellence Project P07-TIC-02566;  
Consejeria de Innovacion Ciencia y Empresa Excellence Project P09-TIC- 4530;  
Consejeria de Innovacion Ciencia y Empresa Excellence Project P11-TIC-7103

**Availability:** Attribution Non-Commercial Share Alike

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

**Resource ID:** SCR\_013668

**Alternate IDs:** SciRes\_000197

**License:** Attribution Non-Commercial Share Alike

**Record Creation Time:** 20220129T080317+0000

**Record Last Update:** 20260819T044403+0000

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## 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.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 1 mentions in open access literature.

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

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