

Resource Summary Report

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Brain Atlas for Functional Imaging

RRID:SCR_007356

Type: Tool

Proper Citation

Brain Atlas for Functional Imaging (RRID:SCR_007356)

Resource Information

URL: <http://www.cerefy.com/>

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Description: THIS RESOURCE IS NO LONGER IN SERVICE, documented on August 19, 2015. Commercial brain atlases distributed by Theime Medical Publishers. It supports a complete electronic version of the Talairach Atlas, as well as gyral-level description of the human brain and atlases for cerebral vasculature, cranial nerves and a probabilistic functional atlas. In addition, this tool permits the incorporation of user image data, both structural and functional, into the viewer for direct co-visualization with the atlas. This CD-ROM provides numerous tools for the analysis of functional images: It contains the fully color-coded and labeled Talairach-Tournoux brain atlas in the axial, coronal and sagittal orientations, along with Brodmann's areas and gyri in the axial orientation. -Allows anatomical and functional images to be loaded and registered. -Enables interactive placement of the Talairach landmarks in 3D Space. -Provides automatic data-to-atlas warping based on the Talairach proportional grid system transformation. In addition, real-time interactive warping for fine tuning is available. -Allows the user to place marks on the activation loci in the warped functional images, display these marks with the atlas, and edit them simultaneously on the axial, coronal and sagittal orientations. Mark placement is assisted by a grey-value thresholding feature. -Provides simultaneous display of the atlas, anatomical image and functional image withing one interactively blended image. Atlas-data blending and anatomical-functional image blending are controlled independently. -Labels the data by means of the atlas. The atlas can be flipped left/right so that Brodmann's areas and gyri can be labeled on both hemispheres. -Provides additional functions such as friendly navigation, simultaneous display of axial, coronal and sagittal atlas plates, cross-referenced display, image and atlas sequencing, readout of the Talairach coordinates and intensities, save, print, help.

Resource Type: atlas, data or information resource, mobile app, software application, software resource

Keywords: talarach, 3d atlas, brain atlas, vasculature, cranial nerves, software, ipad, animation

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: Brain Atlas for Functional Imaging

Resource ID: SCR_007356

Alternate IDs: nif-0000-00271

Record Creation Time: 20220129T080241+0000

Record Last Update: 20260903T004009+0000

Ratings and Alerts

No rating or validation information has been found for Brain Atlas for Functional Imaging.

No alerts have been found for Brain Atlas for Functional Imaging.

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 [dkNET](#) .

Maldjian JA, et al. (2004) Precentral gyrus discrepancy in electronic versions of the Talairach atlas. *NeuroImage*, 21(1), 450.

Hu Q, et al. (2003) A rapid algorithm for robust and automatic extraction of the midsagittal plane of the human cerebrum from neuroimages based on local symmetry and outlier removal. *NeuroImage*, 20(4), 2153.

Nowinski WL, et al. (2003) The Cerefy Neuroradiology Atlas: a Talairach-Tournoux atlas-based tool for analysis of neuroimages available over the internet. *NeuroImage*, 20(1), 50.