

Resource Summary Report

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GLIRT

RRID:SCR_002390

Type: Tool

Proper Citation

GLIRT (RRID:SCR_002390)

Resource Information

URL: <http://www.med.unc.edu/bric/ideagroup/free-softwares/hammer>

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Description: Software for both groupwise registration and longitudinal registration, which are the necessary steps for many brain-related applications. Specifically, groupwise registration is important for unbiased analysis of a large set of MR brain images. Therefore, in this software package, they have included two of their recently-developed groupwise registration algorithms: 1) Improved unbiased groupwise registration guided with the sharp group-mean image, and 2) Hierarchical feature-based groupwise registration with implicit template (Groupwise-HAMMER for short). On the other hand, they also included their recently-developed groupwise longitudinal registration algorithm that aligns not only the longitudinal image sequence for each subject, but also align all longitudinal image sequences of all subjects to the common space simultaneously.

Abbreviations: GLIRT

Synonyms: Groupwise and Longitudinal Image Registration Toolbox

Resource Type: image analysis software, registration software, software application, software resource, data processing software

Keywords: analyze, application, c++, image-to-image, intersubject, linux, microsoft, motion analysis, magnetic resonance, posix/unix-like, registration, software, spatial transformation, temporal transformation, win32 (ms windows), windows

Funding:

Availability: Free

Resource Name: GLIRT

Resource ID: SCR_002390

Alternate IDs: nlx_155763

Alternate URLs: <http://www.nitrc.org/projects/glirt>

Record Creation Time: 20220129T080213+0000

Record Last Update: 20250409T060201+0000

Ratings and Alerts

No rating or validation information has been found for GLIRT.

No alerts have been found for GLIRT.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.