How to use 'register'

by Yiming Xiao

A bit introduction

The software is part of the 'minc tool kit', which was developed at the Montreal Neurological Institute for 3D medical image processing. 'register' is used to find the spatial correspondence of two images by landmark picking and registration.

How to install the minc tool on Mac OS

Download the .dmg file from:

http://packages.bic.mni.mcgill.ca/minc-toolkit/MacOSX/minc-toolkit-1.9.11-20160202-Darwin-10.11-x86_64.dmg

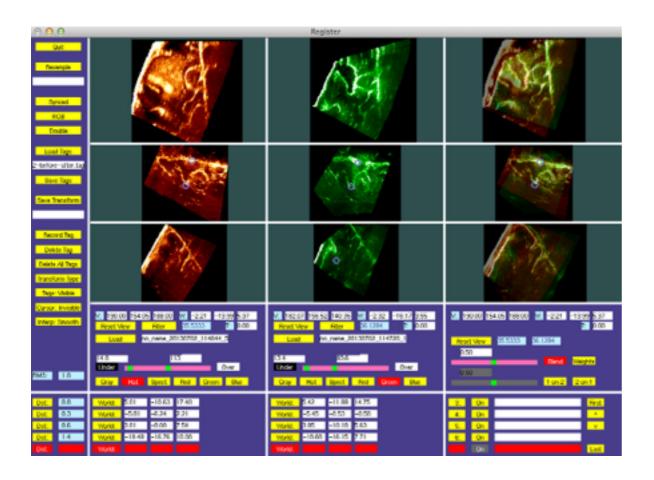
The install procedure is the same as other MAC OS applications

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Opening the software

- 1. Open an terminal
- 2. Go to the directory that holds the images: cd Documents/Cases/Case1/MINC
- 3. Type in: source /opt/minc-itk4/minc-toolkit-config.sh
- 4. Then type in: register image1.mnc image2.mnc



It looks like this.

- Three columns of images;
- When good landmark pairs are picked, the third column shows two images well registered;
- The image in the second column (*image2.mnc*) will be registered to the image in the first column (*image1.mnc*).
- The landmarks are saved in a text file with .tag extension

