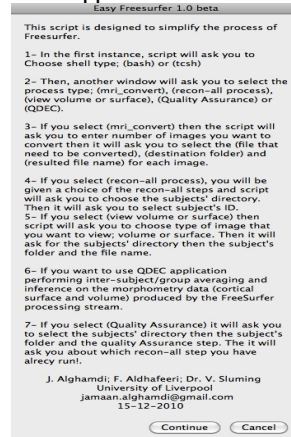


# This script assumes that, the freesurfer installation directory is "/Applications/freesurfer"

## Easy freesur 1.0 beta

This applescript was written to make freesurfer experience a lot easier since it controls most of freesurfer processes without writing any command in terminal, hence user will only need to use mouse to select options and click buttons.

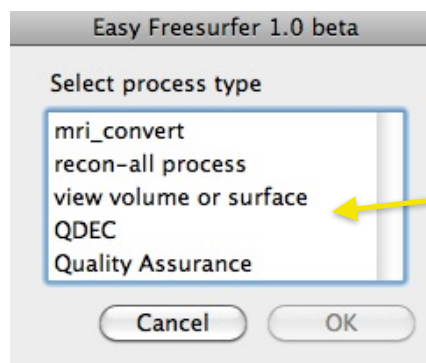
After starting script the following window will appear. It contains description of all main functions in the script



If you click continue you will get the following window which will ask for shell type in order to start setting up freesurfer environment

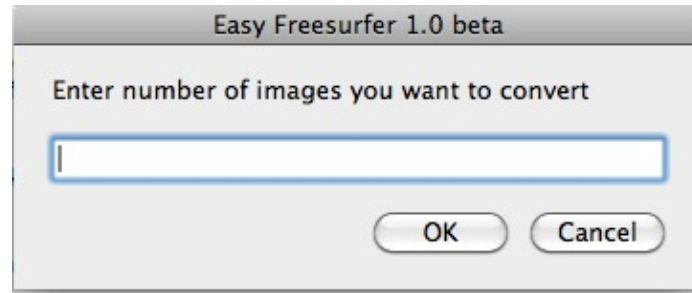


The following window will pop up asking for freesurfer process

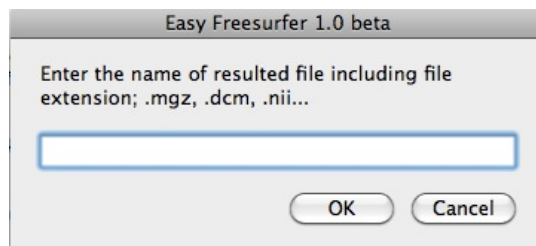
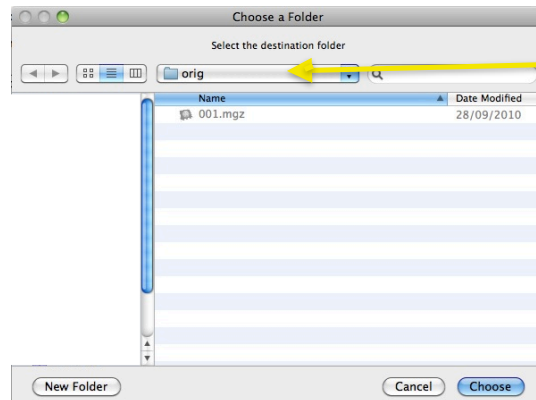
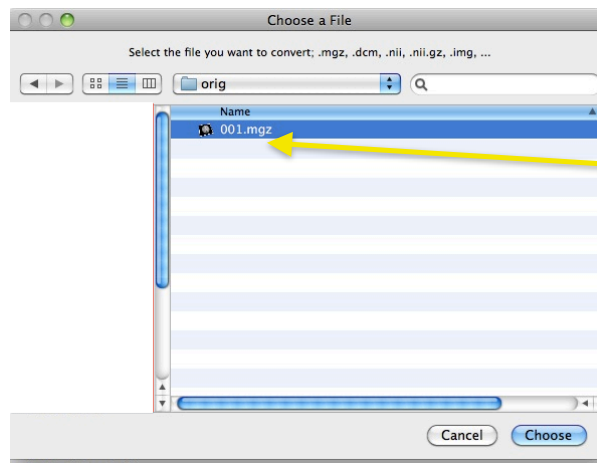


## mri\_convert

If mri\_convert was chosen, user will be asked to enter number of files that needed to be converted.

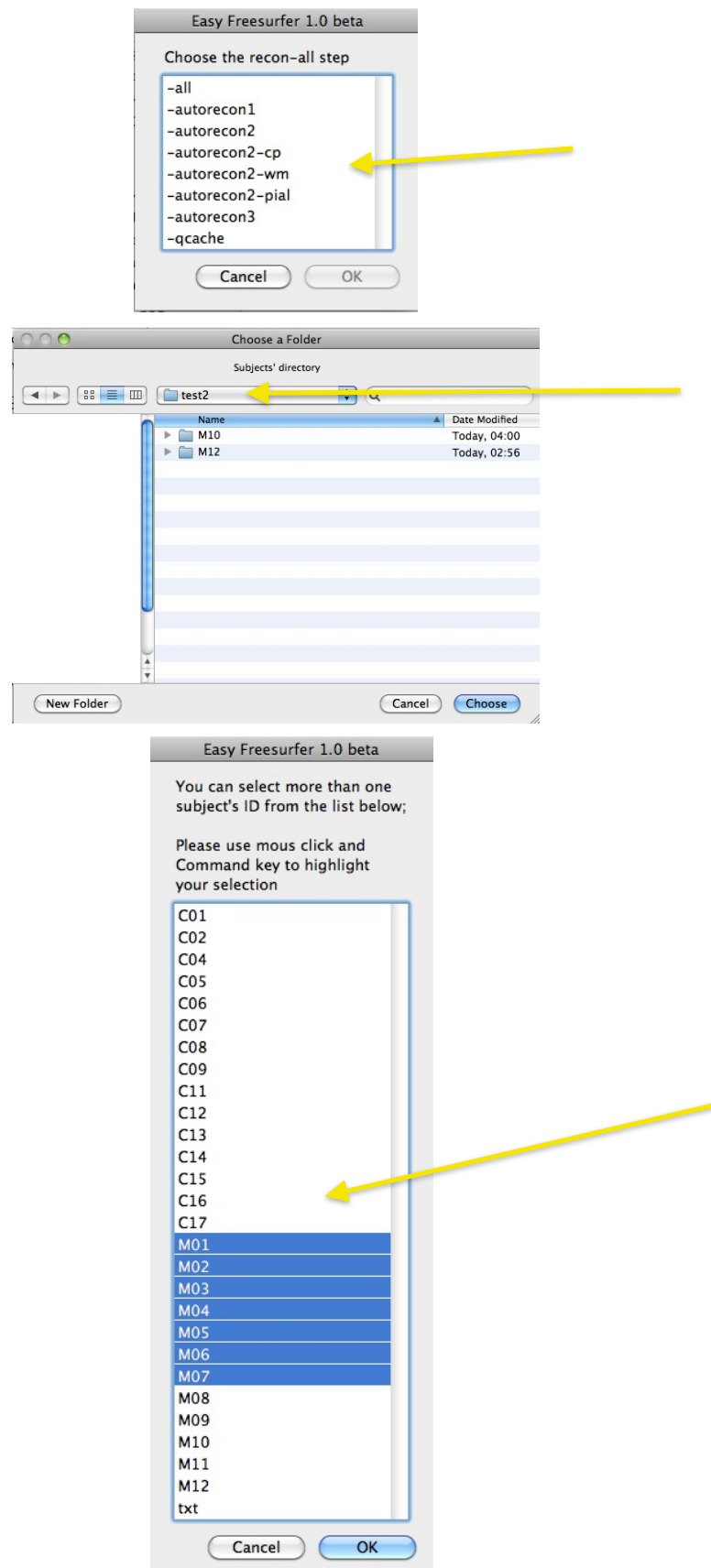


Then 3 windows will pop up after each other, asking for file that needed to be converted, destination folder and resulted file name for each file e.g. 001.mgz. This process will be repeated respectively (number of repetitions equal to the number of files).



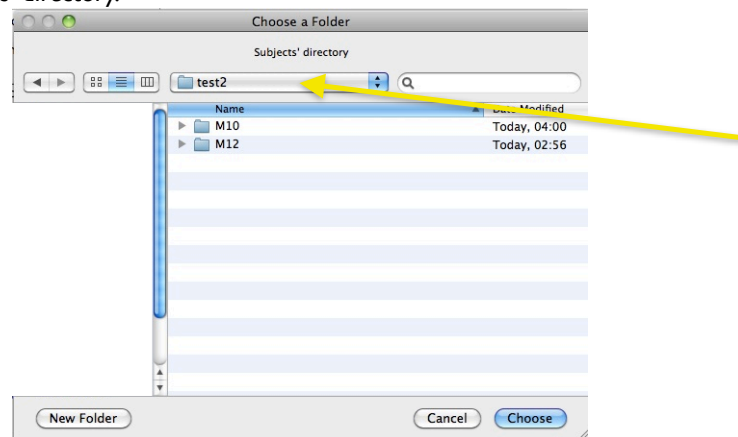
## recon-all

If recon-all process was chosen, user will be asked to select recon-all step, the subjects' directory and to highlight subjects' IDs respectively.

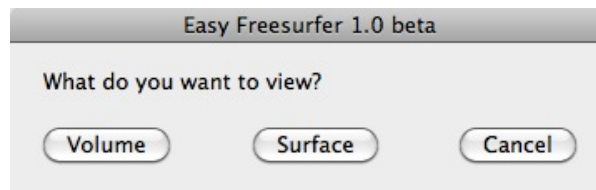


## Use tkmedit and tksurfer tools

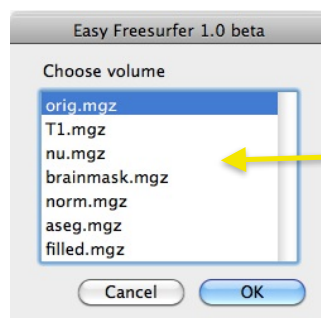
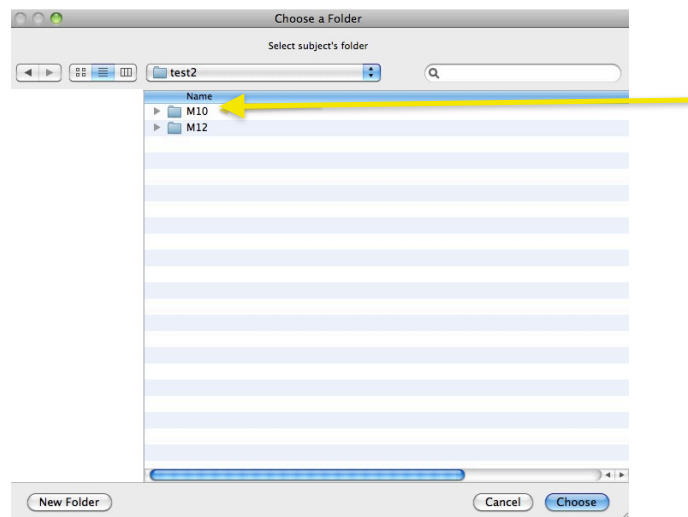
These tools are used to view volumes and surfaces, so if view "volume or surface" was chosen, user will be asked to select the subjects' directory.



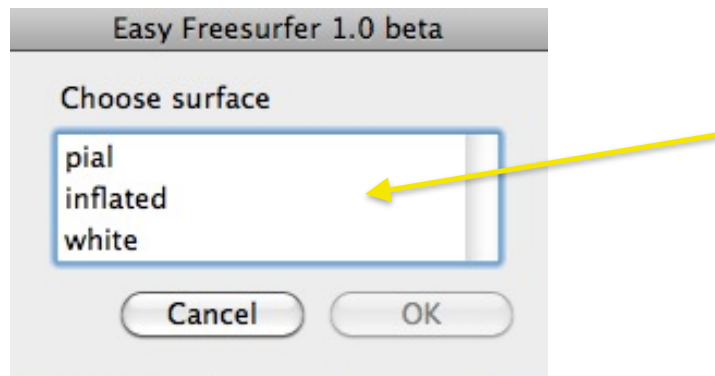
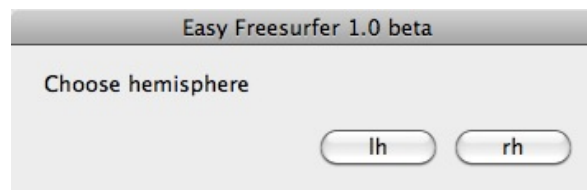
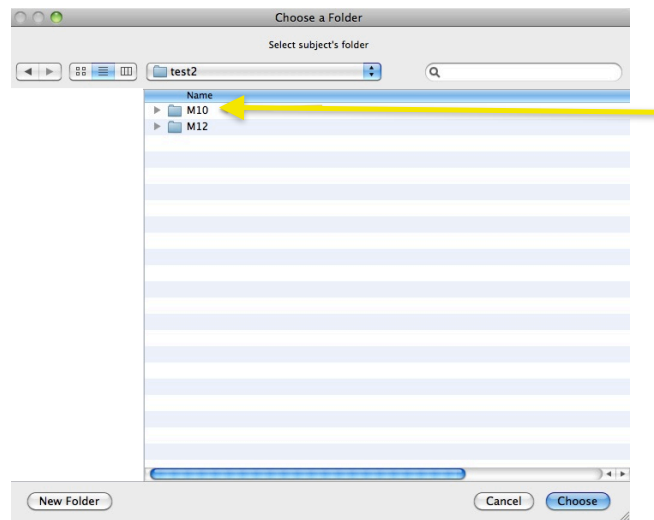
Another window will popup with choice of type of views volume or surface.



If volume button was chosen, user will be asked to select subject's folder and volume file respectively.



if surface button was chosen, user will be asked to select subject's folder, the hemisphere and surface file respectively.



## QDEC

If QDEC was chosen, QDEC application will start. QDEC perform inter-subject/group averaging and inference on the morphometry data (cortical surface and volume) produced by the FreeSurfer processing stream.

## Quality Assurance

If Quality Assurance was chosen, it will ask user to select subjects' directory then a subject's folder and the quality Assurance step. Then it will ask you about which recon-all step you have already run!.

