**ADHDER Scanning Protocol**

Button

change modes

automatic configure

usb

hid key prog out (bottom)

→ 1x5-cyl

switch back to 2x2

put button back in white box

Subject

Screening form

Reappraisal task instructions (on keynote)

Reappraisal task practice (participant = 1, randomization = demo, session = 1)

Working Memory training (participant = demo)

Explain 1-back emotion localizer task

A new payment system was rolled out and as of today the old system is no longer available.  I have updated the “Payment” link on both login computers to go to the new website that uses Duo Authentication (https://bcs-operations.mendixcloud.com/SSO/).  In order to have access to the new payment system you need to follow the below instructions.  Please make sure to close the browser when done to ensure you are logged out!

Seimens 3T1 machine:

Patient -> register

          Enter info, note:

          Last Name = GAB\_ADHDER\_[number]

          Patient ID = GAB\_ADHDER\_[number]

          DOB: 01/01/[actually year of birth]

          Patient Position: Head First – Supine

Click “Examine”

AA Martinos Center

Gabrieli

Houlihan

[study name under Houlihan]

->Confirm

Data Management (from sigma.mit.edu)

Transfer sigma session data

ssh sigma.mit.edu

sessionfinder --s GAB\_ADHD

cd into that directory, replace ### with subject number in these commands:

screen

ssh ba3.mit.edu 'mkdir -p /gablab/p/ADHDER/dicom\_storage/ADHDER/GAB\_ADHDER\_###/dicom'

rsync -rv . ‘ba3.mit.edu:/gablab/p/ADHDER/dicom\_storage/ADHDER/GAB\_ADHDER\_###/dicom’

Transfer psychopy folder to /gablab/p/ADHDER/dicom\_storage/ADHDER/GAB\_ADHDER\_###/ E.g. (from presentation laptop)

zip -r9 psychopy.zip psychopy/

rsync psychopy.zip ‘ba3.mit.edu:/gablab/p/ADHDER/dicom\_storage/ADHDER/GAB\_ADHDER\_###’

rm -r psychopy psychopy.zip

Enter data in spreadsheet

Enter spreadsheet data in SPM file

Convert dicom to nifti (from openmind)

E.g.

srun --x11 -n1 -c4 --mem=100000 --time=0-3:00:00 --pty bash

cd /gablab/p/ADHDER/data/ADHDER/code/preproctoolsspm/wrappers\_ADHDER/

module add mit/matlab/2016b

matlab -nodesktop -nosplash -nodisplay

dicomImport\_ADHDER(###)

exit;

Preprocess nifti

srun --x11 -n1 -c4 --mem=100000 --time=0-6:00:00 --pty bash

wrapper\_preproc\_ADHDER\_parallel(

Run behavioral analysis scripts

Run first level analysis

Suggestions for Contact with subject

How can we improve control recruitment?

Use Yuwen’s email to inform subject about scane. Include Martinos screening form and ask subject to bring contacts and/or know what their prescription strength is.

Invite subject to complete questionnaires before they arrive.

Once here:

* Give outstanding questionnaires
* See Yuwen’s script that introduced MRI machine
* The magnet is always on
* Don’t cross hands, legs

After scanning done:

* Print the MRI schedule from computer (which scans were done in which order)
* Invite subject to participate in Sart’s study

Burning CD

Transfer → eject from DVD-R

Insert blank DVD into the desktop DVD holder, and close (w/ button)

Hit button (right-facing trident) by number pad

Patient Browser opens → select the current subject

On right, select last (most recent)  t1\_mprage

Transfer → export to

→ select DVD-R, hit export

Name it Brain or something

Done when the little image of disk at bottom of page no longer has red dot.

Transfer → eject from DVD-R