



MR Imaging Teleconference Minutes 04/16/2019

ADNI MR Imaging Teleconference **Minutes** -- 4/16/2019

1. Review February 2019 Teleconference Minutes (Appended Below)

- a. Minutes will be posted to LONI website. -
<http://adni.loni.usc.edu/methods/documents/>

Minutes Approved

2. ADNI Deliverables Update – Next Set due 4/30

- a. Update from Danielle Harvey

Minutes: U-Penn has sent updated HRH data to Mike Donahue and Danielle. Other labs have almost a two year delinquency. Dr. Jack believes some of this delay is due to the uncertainty of what data would be “good” due to change from ADNI2 to ADNI3. Danielle reminded the analysis sites to also send their QC of their data that is posted as requested previously.

3. Updated MRI scanner/subject spreadsheet

- a. Changes of spreadsheet based on discussion from our last call.
 - i. 5 classes of Major changes:
 1. Vendor (Always Major)
 2. Model within Vendor (Unknown – separate color code)
 3. HeadCoil (Always Major)
 4. Software Major (Sometimes Major (When it includes Hardware Change) – (Color Code)
 5. Protocol ADNI2 vs. ADNI3 (T1 Minor/FLAIR Major/HRH Minor/GRE None/ASL Variable, DTI Variable, fMRI Variable) = Enter into a Key

Updated Mock Up Shown – No suggestions.

4. ADNI3 Analysis Site Slides

- a. 2 slides from each Analysis group summarizing ADNI3.

DeCarli – Could be extremely helpful to have a database with patient’s specific info that includes imaging study dates. Danielle will send the locations of lists that will help identify what Analysisist sites want to use. If those are not helpful she will work with users offline to consider other ways of merging data.

Malone – Dr. Jack, why do subjects still have Group of LMCI/EMCI etc. Subjects continuing from ADNI2 will carryover the current group, but new subjects will have a <6000 ID. Will resend another set with Diagnosis straighten out.

5. ASL Comparison of 2D vs. 3D (Tosun)

- a. Should we still acquire 2D data?

Data shown: No decision at this time.
Carry Over to the next call.

6. ADNI3 Breakdown

- a. **60/60 Certified Systems**

- b. **998 subjects received. (17 Failed Studies)**

- i. 199 Subjects scans with Siemens VE11C
- ii. 412 Subject scans VB17-VE11B
- iii. 166 Philips 3.2.3 – 5.4.1
- iv. 49 Subject scans with GE 24x
- v. 172 Subject scans with GE 25x-27x

- c. **Experimental Sequence Breakdown**

- i. 2D PASL vs. 3D PASL vs. 3D pCASL***

- 1. Axial 2D PASL – 285
 - 2. Axial 3D PASL – 389
 - 3. Axial 3DpCASL - 220

- ii. Axial rsfMRI vs. Axial MB rsfMRI***

- 1. rsfMRI – 806
 - 2. MultiBand fMRI - 155

- iii. Axial DTI vs. Axial MB DTI***

- 1. DTI – 893
 - 2. MultiBand DTI – 160

7. Next Call: 5/21/2019

