**MR Imaging Teleconference Minutes 04/21/2020**

1. **Review Minutes from the March Call (Below)**

Noted

1. **Any update on MRI Analysis Processing Report (Harvey)**

More data has been uploaded recently.  Will give a full overview at the Steering committee meeting.

1. **May 4th Steering Committee Meeting - DEADLINE - 2 Slides from each lab outlining an analysis they’ve done with ADNI 3 data by April 20.**

Thank you.  Dr. Jack has received many analysts sites data.  Format of meeting has changed so MRI may have a truncated timeframe to display information.

1. **Update on Face De-Identification (Schwarz/Jack)**

Consent Form issues. Should we mandate a change?

 Facial recognition is not specifically mentioned.

Is there a need for ADNI to start de-identifying newly enrolled subjects?

 ADNI availability is an issue.

 Document risk and if significant we need to act.

 What about old data that has been released to thousands of users?

 Can’t prevent 3rd party sharing, but ADNI should lead by example by defacing  everyone in database currently.

Choosing a methodology for defacing scans.

 Need an objective way to decide.

 MACII, ISMRM, HBM etc.

 Contest for Disruption of data vs. Liability?

 Assemble a task force through ADNI?

 No need to rush into solution as we are the first to take on, so we should make    sure we are choosing the best option.

 Partner with Google or Facebook as those would be the two domains most likely  to be used for identifying subjects.

 **Dr. Weiner’s Notes-**

***I’m especially interested in getting responses from those interested in volunteering to help develop a plan for ADNID going forward, and those who might be willing to take a leadership role in this***

Thanks to all members of the MRI Core for participating in this discussion concerning face identification. Of course, many thanks to Chris and Cliff for raising these important issues.

Bret took some notes on our discussion and what follows is a summary of what seem to the major 5 topics.   I’d appreciate feedback response from all of you, feel free to email me directly or copy all, up to you

1. Consent Form issues.
	1. Facial recognition is not specifically mentioned in the current ADNI consent form. However 1) the consent form extensively discusses possible loss of privacy and 2) the Data use agreement explicitly prohibits users from attempting to identify faces.  The ADNI consent form is probably similar to other consent forms
	2. QUESTION:  Do consent forms in other projects currently have language which explicitly mentions the loss of privacy due to face recognition? As far as I know, the answer is NO.  I’m told that even Mayo Clinic does not have such language.
	3. QUESTION: Are there plans to change consent forms in other projects to add language about this? As far as I know I did not get a clear answer to this. The response seems to be “this is under discussion”
	4. QUESTION: Should ADNI make mandatory changes to the ADNI consent form at this time?  I didn’t get a clear signal on this from the discussion. Input is welcome.
2. Is there a need for ADNI to start de-identifying **newly enrolled subjects?**  ADNI is not currently enrolling new participants due to COVID. Its unclear whether any new enrollment will start up for ADNI 3. ADNI 3 enrollment might be closed. However, its possible that ADNI 3 will continue to enroll a small number of new participants.
	1. QUESTION: If ADNI 3 enrolls new subjects, must the MRI face be de-identified before releasing to those who have signed the DUA?  This would be a relatively pressing need.  I did not hear a clear response to this question.
	2. QUESTION: Are any other projects de-identifying faces prior to release?  I’m told that the A4 project is doing this with Chris Schwartz. Any other projects?
3. Is there a need for ADNI to start de-identifying **previously enrolled subjects including data  going back to ADNI 1**
	1. There seemed to be a consensus that  ADNI should lead by example by defacing all scans, but the methods and timeline depend on the details.
	2. There seems to be a consensus that this is not a huge rush., but ADNI should have a clear and well documented plan. Any disagreement on this?
4. How to choose a methodology for defacing scans?
	1. Agreement that ADNI should not simply adopt the Mayo method without due diligence process
	2. Agreement that the due diligence process should not be led by Mayo
	3. Agreement that the due diligence process should consider the following issues:

                                                               i.      All available methods should be considered. There should be a literature review and some sort of advertisement trying to identify all methods

                                                             ii.      Ability to de-identify should be measured.  (This is NOT a simple issue. Exactly how to find a cohort of scans that can be used, and the methods used for face matching is a complicated topic).

                                                           iii.      Impact on post processing should be measured: Appears to be straightforward.

                                                           iv.      What other groups, and individuals should be involved in this including Societies such as MICCAI, ISMRM, HBM etc., NIH: NIA, NIBIB, NINDS, NIMH, Brain Initiative. UK Biobank, European and Asian Governmental projects. Industry (PPSB).

                                                             v.      Should ADNI take the lead, or should ADNI facilitate the formation of a group with larger and wider membership, and then ADNI follows?

                                                           vi.      Would this be a “challenge”

                                                          vii.      Partner with Google or Facebook?

1. Should the ADNI MRI Core develop a position paper on this topic now for publication?

Most important to me:  ***I’m especially interested in getting responses from those interested in volunteering to help develop a plan for ADNID going forward, and those who might be willing to take a leadership role in this***

1. **DTI Harmonization Presentation (Thompson)**

[**https://docs.google.com/presentation/d/1G9cRIeXLqUn8AmJUsK1mxvuJ4WksX3m6tn6p3\_STO0g/edit?usp=sharing**](https://docs.google.com/presentation/d/1G9cRIeXLqUn8AmJUsK1mxvuJ4WksX3m6tn6p3_STO0g/edit?usp=sharing)

1. **Updated outline of ADNI history and MR heterogeneity (Gunter)**

Noted.