

ADNI Biostatistics Conference Call, 4 June 2007

On call: Monica, Danielle, Laurel, Qian, Brendan.

Danielle reported that the last MRI call did not talk much about data, just about various corrections to problematic images. She circulated yesterday the enrollment and demographic summary as of 30 April. She had received a list of subject ID's from MRI core for whom scans were bad so they were removed from the description of the 1.5 T summaries. Their 3T scans are fine. We are assuming all those subjects did have PET scans but it is possible that some of the PET scans were bad. There are various summaries – by who had different types of scans, by study arm, and study arm by diagnosis. The MRI core is particularly interested in this because they are trying to generate “typical brains” for a possible template and they wanted to get a sense of variation, say, by gender. There are fewer women in MCI but more in normal and AD. They want to pick a representative sample. Gene Alexander had requested this.

Mike Weiner had requested summary of data, and Mike Donohue at ADCS is generating a revised summary of the clinical measures as he has code already.

There is still no data and no proposed date – they are still saying “two or three months”. Apparently the corrections are the main obstacle. So we are still unable to plan definitely for our workshop.

There are a couple of ADNI-related proposals going forward with which we are helping. Paul Crane is putting in second revision (3<sup>rd</sup> try) on a psychometric project to get alternative scales to avoid differential bias and other problems. John Trojanowski is putting together a proposal for additional longitudinal measures of biomarkers in the people who already are getting biomarkers. The sample size would be maybe 50 per group and followed for another several years past ADNI.

Danielle and Laurel have a doctoral student who has done some nice preliminary work on the prep phase data, looking at short-term variation in VBM and starting with TBM. He is getting a good picture of what “noise” looks like in these measures.

Next call will be in two weeks.