

ADNI Biostatistics Conference Call: 9 October 2007

Present on call: Laurel, Danielle, John K, Qian.

Danielle reported that the training call from 20 September has had good feedback. She is following up on requests for some improvements in data access, and questions from people having problems. Troubleshooting has helped several people.

Danielle reports that right now the only image summaries available through LONI are hippocampal volumes, which are longitudinal. There are blank tables set up for stroke, PET, Anders's group, and BSI. Gene Alexander says he has sent baseline volume data (116 regions, 299 subjects). Nick Fox has also sent BSI data. Danielle has received some of these directly. Nick's lab sent volumes: here is their e-mail summary of what was sent:

Whole brain volumes, Ventricular volumes, Whole brain BSI and DBC BSI on the 0-6 0-12 month pairs. We are also uploading registration comments and QC on the scans.

Bill Jagust has sent some longitudinal PET data.

Paul Thompson has submitted some baseline regional TBM volumes. He said he was going to submit some longitudinal.

There are also some data from Norm Foster.

So virtually all groups have sent data to ADCS but availability from LONI is questionable. For the 2 November presentation, we will get access directly from ADCS.

Qian and Laurel prepared reports on clinical data for Mike for October 4. Mike was very pleased with the summary, and the industry folks have now seen copies. We will try to replicate this to the extent we can on imaging data, but not rerun any clinical data.

Goal: start by summarizing what we have – by lab, then by region, and by how much longitudinal (by group – normal, MCI, AD). Qian will then do analyses of the ones with longitudinal data, similar to what we did with the clinical. Danielle will see if she can find out which of Gene's 116 regions we should pursue right now.

John suggests cc'ing Paul and John when we email Gene about his 116 regions.

John reports that voxel-based group is doing a lot of work, but that it seems like it is automated; we need a list of hypotheses. A while back, they told Danielle it was about 8 primary lobar regions. She will look at the dictionary Gene sent to see if they are in there specifically or if we need a list of what goes into which lobe. There was also some discussion on PET call. The last call got some things on track about whether to adjust to template first or after. Another issue people want to hear discussed is multiple comparisons.

Danielle, John and Laurel will be at the 2 November meeting and will present.

Many people will attend; Nick Fox's lab will call in from UK but unlikely to be on call the entire time. His work will be presented early.

