

RE: Rat MCAo

From: **Patrick Lyden** | plyden@usc.edu

Friday, Jun 4, 3:43 PM

To: **Naomi Sta Maria** | nstamari@usc.edu, **Russell E. Jacobs** | jacobsr@usc.edu

Cc: **Padmesh Rajput** | prajput@usc.edu, **Ryan Cabeen** | Ryan.Cabeen@loni.usc.edu

Naomi,

I was able to view the scans from the animal done on 6/3. Then, we looked at the brain after TTC staining and showed the lesion well. The stroke does show up well in the scans you did, but I do not see a sequence that looks like an ADC/DWI type of scan. Were you able to get the parameters from Russell that match the protocol I got from SPAN? Do we need to tweak it a bit?

Thanks for your help,

PL

Patrick D. Lyden, MD, FAAN, FAHA, FANA
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Professor of Neurology
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From: **Russell E. Jacobs** | jacobsr@usc.edu

Friday, Jun 4, 4:37 PM

To: **Patrick Lyden** | plyden@usc.edu, **Naomi Sta Maria** | nstamari@usc.edu

Cc: **Padmesh Rajput** | prajput@usc.edu, **Ryan Cabeen** | Ryan.Cabeen@loni.usc.edu

As I recall, we setup diffusion scans to replicate SPAN – z direction with b values of 0, 500 & 1000. If you can send me the scan numbers, I can check.

rj

From: **Patrick Lyden** | plyden@usc.edu

To: **Naomi Sta Maria** | nstamari@usc.edu

Friday, Jun 4, 3:42 PM

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From: **Russell E. Jacobs** | jacobsr@usc.edu

Friday, Jun 4, 7:55 PM

To: **Patrick Lyden** | plyden@usc.edu, **Naomi Sta Maria** | nstamari@usc.edu

Cc: **Padmesh Rajput** | prajput@usc.edu, **Ryan Cabeen** | Ryan.Cabeen@loni.usc.edu

Naomi tells me that for subject 1717 the DWI is scan 28028.

I checked and it is a DWI with the attached btable. Table indicates that there are three “sub scans” with b-values 1000, 0 & 500 with weighting in z direction. SNR is pretty marginal – we’ll have to look into that issue.

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From: **Patrick Lyden** | plyden@usc.edu

Monday, Jun 7, 3:52 PM

To: **Russell E. Jacobs** | jacobsr@usc.edu, **Naomi Sta Maria** | nstamari@usc.edu

Cc: **Padmesh Rajput** | prajput@usc.edu, **Ryan Cabeen** | Ryan.Cabeen@loni.usc.edu

I would appreciate any tweaking that you can do. We have 3 good cases from today that will be ready for imaging on Wednesday. Love to see the diffusion sequences working by then.

Ryan, any advice from the rat imaging you are doing in the Stage 2 pilot??

Thanks

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From: **Ryan Cabeen** | ryan.cabeen@loni.usc.edu

Tuesday, Jun 8, 10:03 AM

To: **Patrick Lyden** | plyden@usc.edu

Cc: **Padmesh Rajput** | prajput@usc.edu, **Russell E. Jacobs** | jacobsr@usc.edu, **Naomi Sta Maria** | nstamari@usc.edu

Just one small thing, if it's no big deal to change the order of b-values, the other sites are using 0, 500, 1000, and it might simplify things for that to match.

Otherwise, I found the image quality from the stage 2 rat imaging on IDA to be much better than mice, particularly the diffusion scan. There will be some work to translate the analysis, but nothing problematic. Let me know if it would be helpful to go any images or process these new scans.

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