

RE: new data

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

Tuesday, Jul 13, 9:22 AM

To: **Ryan Cabeen** | Ryan.Cabeen@loni.usc.edu

Cenck thinks you sent me new data. I don't have them. Can you send? We are on the PI call.

Patrick D. Lyden, MD, FAAN, FAHA, FANA
Professor of Physiology and Neuroscience
Professor of Neurology
Zilkha Neurogenetic Institute
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1501 San Pablo Street
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plyden@usc.edu

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

Tuesday, Jul 13, 9:26 AM

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

Sorry, we discussed sending an update Thursday, but there was a power outage at SHN over the weekend, so things were delayed a bit from that. I'll send it along hopefully this afternoon, or tomorrow at the latest.

Ryan P. Cabeen, PhD
Chan Zuckerberg Imaging Scientist
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From: **Patrick Lyden** | plyden@usc.edu

Tuesday, Jul 13, 10:50 AM

To: **Ryan Cabeen** | Ryan.Cabeen@loni.usc.edu

Ok great.

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

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

Tuesday, Jul 13, 12:26 PM

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Tuesday, Jul 13, 11:17 PM

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

Following up, attached please find an updated data table, as well as associated tissue volume plots. The changes to the pipeline include:

- * A more restrictive region where lesion is allowed to be detected. This removes what we concluded to be a systematic artifact in basal part of the brain.
- * A more permissive lesion threshold which provides more sensitivity to small lesions (also increasing lesion size overall)

FYI, these changes came out of a few meetings with Cenk, where we looked at lesion maps and the results of a “parameter sweep”, in which I exhaustively computed the lesion volumes obtained from a sequence of threshold values in all of the stage one data. Happy to go over those pieces in detail if you’d like.

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

Sunday, Jul 18, 4:28 AM

To: **Ryan Cabeen** | Ryan.Cabeen@loni.usc.edu

Thank you. Couple of questions:

What are the new variables "regions_volume_lesion_(striatum, cortex, thalamus, hippocampus)" ?

Have you sent this to Marcio or cenk?

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

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

Wednesday, Jul 14, 2:18 AM

Following up, attached please find an updated data table, as well as associated tissue volume plots. The

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

Tuesday, Jul 20, 6:32 PM

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

Those variables are the volume of lesion overlapping with each of the listed regions, that is, what we added to compare cortical vs subcortical lesion extent.

I haven't shared with Cenck or Marcio yet, wanted to go through you first. I can send it along to them if you like. Also, I made a couple more refinements which are reflected in the attached data table.

Also, heard there was some flooding in western Mass, hope you are comfortably dry!

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