Reviewer's report

Title: Identification of Distinct Network Topology and Resilience Features in Tuberous Sclerosis and Autism

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Reviewer: Todd L Richards

Reviewer's report:

This is an important paper which presented results of brain functional networks of electroencephalographic (EEG) connectivity through graph measures in patients with Tuberous Sclerosis Complex (TSC). Here are a few suggestions for improvement:

1) In the introduction, explain the differences between functional MRI connectivity and functional EEG connectivity and how they can measure different aspects of physiology. Could similar analysis techniques be applied to fMRI connectivity in the study of functional networks? The DTI references were helpful.

2) In the methods section, add information about what methods were used to control for multiple comparisons. Were all of the results from the average of all of the electrode comparisons or was a comparison done at the level of individual electrode pairs?

3) In the discussion section, explain if EEG frequency is important in the EEG connectivity analysis techniques.

Quality of written English: Acceptable

Statistical review: No, the manuscript does not need to be seen by a statistician.

Declaration of competing interests:

I declare that I have no competing interests.