Reviewer’s report

Title: Development of a novel radioligand for imaging 18-kD translocator protein (TSPO) in a Rat Model of Parkinson’s Disease

Version: 0 Date: 10 Jul 2019

Reviewer: Majid Assadi

Reviewer's report:

Why authors chose this non specific tracer? They should have compared with currently used tracer using a few more groups in this study. They should have done a few more semi quantitative analysis with rat signs and symptoms representing PD e.g. hypokinesia, tremor,..

Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

Yes

Does the work include the necessary controls?
If not, please specify which controls are required in your comments to the authors.

No

Are the conclusions drawn adequately supported by the data shown?
If not, please explain in your comments to the authors.

Yes

Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?
If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

I am able to assess the statistics

Quality of written English
Please indicate the quality of language in the manuscript:

Acceptable

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