Reviewer’s report

Title: Polysialic acid is associated with better prognosis and IDH1-mutation in diffusely infiltrating astrocytomas.

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Reviewer: Mitsutoshi Nakada

Reviewer’s report:

The authors reported that PoliSia positivity is associated with longer survival in glioma and its relation with IDH1 mutation. The concept is simple and easily understandable. However, the data addressed are currently very limited in scope. If authors address the following comments, this manuscript could be strengthened. The authors should perform multivariate analysis including age, KPS, IDH1 mutation, EGFR amplification, MIB1 labeling index, polySia expression, and NCAM expression. The authors should show the data of grade III-IV glioma but not grade II-IV glioma. Patient number should be indicated in Kaplan Meir data. Detailed histological diagnosis should be indicated.

Level of interest: An article of limited interest

Quality of written English: Needs some language corrections before being published

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' below.