Reviewer's report

Title: Magnetic resonance imaging, computed tomography, and 68Ga-DOTATOC positron emission tomography for imaging skull base meningiomas with infracranial extension treated with stereotactic radiotherapy - a case series

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Reviewer: Rakesh Jalali

Reviewer's report:

Authors present their experience of multimodal imaging including CT, MRI and Gd-DOTATOC PET scan. Similar PET modalities have been reported in the past including in meningiomas.

The authors in the present report specifically aim to ascertain the use in skull base meningiomas with intracranial extension. The report suffers from the retrospective nature and a relatively small number of patients but do give an insight of its usefulness in some difficult cases. Whether the report is robust enough to make it as a standard of care in these tumours is questionable, the present study does offer a platform for the researchers to study the same in a well controlled prospective fashion to generate better data.

Specifically, it would be also pertinent for authors to describe the 6 anatomical sites in detail to give an idea to the reader about the usefulness of the PET and multimodal data in particular subsites. Also determining the threshold of the optimal SUV's is another important aspect to be finalised, which was not present in the current report. Finally, involvement of the bone/hyperostosis may be correlated between imaging data and actual histology in a subset of cases where tumours have been operated upon.

Level of interest: An article of importance in its field

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:

No