**Reviewer’s report**

**Title:** Unilateral Inferior Oblique Anterior Transposition for Markedly Asymmetric Dissociated Vertical Deviation with Unilateral Inferior Oblique Over-action

**Version:** 2  **Date:** 23 May 2019

**Reviewer:** Pramod Kumar Pandey

**Reviewer's report:**

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Visual acuity details, amblyopia not reported. Unilateral DVD is seen mostly with sensory deviations and deep amblyopia. The amount of DVD and IOOA in the fellow eye not reported, only difference has been documented. Most reports include a difference of 7 PD or more as criteria for asymmetry, here we have taken 5 PD as cut off, some potentially symmetric cases may have been classed as asymmetrical raising ethical issues. IOOA is not classed as primary / secondary. as unilateral PIOOA is unusual, some of these cases may be of secondary IOOA due to say superior oblique palsy congealing inclusion criteria. Head tilt test results are not known. DVD has not been measured by prism under cover test (PUCT) followed by total deviation by PACT to differentiate vertical components due to DVD and IOOA. Unilateral surgery in DVD is limited to eyes with poor vision which are not switching fixation, lest surgery will lead to a fixation switch hypertropia and DVD in the fellow eye. These aspects have not been assessed. Motility has not been evaluated in 9 gazes to assess AES or other complications or induced incomitance. There is little like dominant eye in DVD. Surgery has not been uniform in all the cases as regards station of IO placement is concerned rendering it difficult to draw valid inferences. Being a retrospective study, there are no controls.
Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

No

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.

No

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:

Needs some language corrections before being published

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