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PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Cases

Manuscript NO: 65787

Title: Autism with dysphasia accompanied by mental retardation caused by FOX Y exon deletion: A case report

Reviewer's code: 02600145
Position: Peer Reviewer
Academic degree: PhD
Professional title: Professor
Reviewer's Country/Territory: Russia
Author's Country/Territory: China

Manuscript submission date: 2021-03-18
Reviewer chosen by: AI Technique
Reviewer accepted review: 2021-04-30 09:11
Reviewer performed review: 2021-04-30 11:26
Review time: 2 Hours

Scientific quality	[ ] Grade A: Excellent [ ] Grade B: Very good [Y] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish
Language quality	[ ] Grade A: Priority publishing [Y] Grade B: Minor language polishing [ ] Grade C: A great deal of language polishing [ ] Grade D: Rejection
Conclusion	[ ] Accept (High priority) [ ] Accept (General priority) [ ] Minor revision [Y] Major revision [ ] Rejection
Re-review	[ ] Yes [Y] No
Peer-reviewer statements	Peer-Review: [Y] Anonymous [ ] Onymous Conflicts-of-Interest: [ ] Yes [Y] No

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SPECIFIC COMMENTS TO AUTHORS

The case report is dedicated to an unusual mutation in the FOXP1 gene (large intragenic deletion) associated with autism with dysphasia accompanied by mental retardation. In general, it is quite an interesting case report. However, there are major revisions to be made prior a more positive decision would become reachable. Firstly, the manuscript lacks appropriate description and discussion of the mutation/deletion in the FOXP1 gene. There is an inevitable requirement for detailed description of the mutation: exact genomic localization of breakpoints and exact size in bp; the extent to which exons 6 and 21 are deleted. Another inevitable requirement is referred to discussions of the peculiarities of the mutation: genotype-phenotype correlations in the light of previous reports (e.g. what are the mutations associated with milder and more severe phenotypes in the light of this case report); correlating own data with cases of mutations (missense or whatever) in exons 6-21 of the FOXP1 gene (if exist). Actually, manuscript's table is extremely poorly discussed (described). Hypothesizing functional outcomes of the mutation at protein level are optional. A general recommendation: authors have to pay more attention to the genetic dimension/context of their report. Some textual and presentational omissions are to be curated. Most strikingly, the title of the report does not actually describe the content; the title is too general lacking the indication to the essential finding. Introduction does not correspond to the manuscript content. There is a need to put introduction to the context of the main finding - mutation in the FOXP1 gene. The phrase "The Fox genome is a large and highly conservative family of transcription factors" is quite strange. What is meant, the genome of fox (vulpes)? This is to be corrected.