**Reviewer's report**

**Title:** A novel mutation in the BCHE gene and phenotype identified in a child with low butyrylcholinesterase activity: a case report

**Version:** 1  **Date:** 22 Jan 2018

**Reviewer:** Gregory Papagregoriou

**Reviewer's report:**

The authors have made significant improvements to this manuscript and responded to most points raised previously.

Nevertheless, some profound spelling and/or grammar errors still remain and need to be corrected.

1. Mutation annotation: p.N134Kfs23* must also be amended in Table 2-Exon 2, the abstract (page 2, line 40) and in its other mentions throughout the text.

2. "Intelligence retardation": Abstract (Page 2, line 49), Discussion (Page 7, line 27, line 52 - Page 8, line 8) - This term is not viable. It's more preferable if you consider one of the following: "Mental retardation", "Intellectual disability" or "Mental disability"

   (https://www.nature.com/scitable/definition/codon-155)

**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.

Yes
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.
Not relevant to this manuscript

Quality of written English
Please indicate the quality of language in the manuscript:
Needs some language corrections before being published

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