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| Journal Name: | [**Asian Journal of Pediatric Research**](https://journalajpr.com/index.php/AJPR) |
| Manuscript Number: | **Ms\_AJPR\_139229** |
| Title of the Manuscript: | **Phenotype-genotype correlation in a case of infantile hypotonia and epilepsy: study of the clinical significance of two variants of uncertain significance in HIVEP2 and LINGO1** |
| Type of the Article | **Case report** |

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| PART 1: Comments | | |
|  | Reviewer’s comment **Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | **Author’s Feedback** (It is mandatory that authors should write his/her feedback here) |
| **Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.** | This case highlights the diagnostic value of whole-exome sequencing in unexplained infantile hypotonia and epilepsy. It contributes to the limited clinical data on dual variants of uncertain significance. The report expands the known phenotype of HIVEP2 and LINGO1 mutations. It promotes awareness of rare genetic causes in early neurodevelopmental regression. |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | No. It should be made shorter and more precise, e.g., “A Case of Infantile Hypotonia and Epilepsy with Coexisting HIVEP2 and LINGO1 Variants.” |  |
| Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here. | Consider including a brief summary of clinical management and outcome in the abstract |  |
| Is the manuscript scientifically, correct? Please write here. | Yes, but some key clinical and diagnostic details are missing and should be added (e.g., seizure type, developmental quotient, pre-genetic differential diagnosis). |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | Yes |  |
| Is the language/English quality of the article suitable for scholarly communications? | Yes |  |
| Optional/General comments | Figures are well-labeled, but the EEG findings need correction. The methods section may be shortened or omitted  1) The title of the manuscript is lengthy and should be made more concise and precise  2) The chromosomal location of the genes should be specified in the abstract introduction, and case presentation section  3) The introduction would be more comprehensive if it included other common causes of infantile hypotonia, epilepsy, and neurodevelopmental regression.  4) Since the manuscript mentions that regression began at 5 months of age, it is essential to describe the developmental examination findings in different domains (gross motor, fine motor, language, social) along with the developmental quotient (DQ) at 5 months. Similarly, DQ scores at 10 months should be provided to give a clear and objective measure of the patient’s neurodevelopmental trajectory.  5) Specify the seizure type—whether they were focal or generalized, and if they were tonic, myoclonic, atonic, tonic-clonic, or mixed. Clarify whether the seizures were associated with awareness or impaired consciousness, and indicate the frequency and duration.  6) Mention if any dysmorphic facial features, hair or nail abnormalities were present.  7) The manuscript should state what clinical diagnosis and differential diagnosis were considered before the decision to proceed with genetic testing.  8) The EEG figure only shows generalized slowing without clear epileptiform discharges. Correct the description and mark actual findings clearly.  9) The methods section can be shortened or removed, as detailed methods are not essential for a case report.  10) Add more detail on how the patient was managed—medications, therapies, and clinical course. Also, the statement regarding available therapy should clarify whether treatment is curative or supportive. Add an appropriate reference. |  |

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| **PART 2:** | | |
|  | **Reviewer’s comment** | **Author’s comment** *(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Are there ethical issues in this manuscript?** | *(If yes, Kindly please write down the ethical issues here in details)* |  |

**Reviewer details:**

**Arif, Career Institute of Medical sciences and Hospital , India**