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| Book Name: | [Medical Science: Trends and Innovations](https://www.bookpi.org/bookstore/product/medical-science-trends-and-innovations-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_4243** |
| Title of the Manuscript:  | **Customized targeted massively parallel sequencing enables the identification of novel pathogenic variants in Tunisian patients with developmental and epileptic encephalopathy** |
| Type of the Article | **Book chapter** |

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| PART 1: Comments |
|  | Reviewer’s comment | Author’s Feedback *(Please correct the manuscript and highlight that part in the manuscript. 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.** | Developmental and epileptic encephalopathy affects an increasing number of people worldwide. Diagnosis requires more advancements, especially in North African countries, where the study of these neurodevelopmental disorders remains limited. Further research and studies are needed. This study conducted in Tunisia uses a personalized panel high-troughput sequencing to specify some pathogenic variants. It is important to enrich the literature on these disorders, to better diagnosis DEE and understanding disease-causing bgenes in terms to describing adapted treatment especially in North Africa. |  |
| **Is the title of the article suitable?****(If not please suggest an alternative title)** | Yes, the title of the article is suitable. It reflects the content of the article. |  |
| 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. | Yes, the abstract of the article is comprehensive. |  |
| **Is the manuscript scientifically, correct? Please write here.**  | Yes, the manuscript is scientifically correct. * Data was provided
* The objective is clear
* Methodology is clearly described and scientifically sound.
* Results were discussed
* References were cited.
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| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.****-** | I suggest that some references must be added in the “Introduction Section”. Please verify second and 21 line in the manuscript. I have highlighted in yellow. You cited the frequency of the affected individuals but you don’t cite the reference. |  |
| Is the language/English quality of the article suitable for scholarly communications? | The language (English) quality of the article is suitable and clear for scholarly communications. |  |
| Optional/General comments | * **Comment 1**: In “Patients and Methods Section” at 2.1. Subjects and sample preparation, you collected the whole blood. Which type of tube did you use to collect the blood, EDTA (ethylenediaminetetraacetic acid tubes) or another type? What volume did you sample?
* **Comment 2**: At 2.2. Capture design and targeted next-generation sequencing, please verify in this sentence “…..an autosomal recessive inheritance mode (Figure S1)..”. You mentioned figure S1, but we can't find the figure anywhere in the article. Please verify it.
* **Comment 3**: Do you think there is a correlation between the age of onset of epilepsy, its type, and the responsible variant?

I have highlighted in yellow and added comments in the manuscript.  |  |

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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)* |  |

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| **Reviewer Details:** |
| Name: | **Yousra Benmakhlouf** |
| Department, University & Country | **Abdelmalek Essaadi University, Morocco** |