

Review Form 3

Journal Name:	Asian Journal of Pediatric Research
Manuscript Number:	Ms_AJPR_131054
Title of the Manuscript:	A Proposed SET-CHC-Based Strategy for Educational Therapists addressing Non-Medical Challenges in Children with Kabuki Syndrome Type 2
Type of the Article	Original Research Article

PART 1: Comments

	<b>Reviewer’s comment</b> Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.	<b>Author’s Feedback</b> (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.	manuscript brings the Cattell-Horn-Carroll (CHC) Theory and Science, Engineering, and Technology (SET) together to face the non-medical challenges in children with Kabuki Syndrome Type 2 (KS2). It gives the educational therapists a framework of structured cognitive profiling along with innovative therapeutic interventions designed specifically for the learning needs of KS2 children. The study focuses on the role of assistive technology and interdisciplinary approaches in enhancing adaptive learning environments, making it a valuable contribution to both educational therapy and neurodevelopmental research.	Noted.
Is the title of the article suitable? (If not please suggest an alternative title)	The title of the manuscript is clear and relevant, but it is quite long. A more concise alternative could be: "A SET-CHC Framework for Addressing Non-Medical Challenges in Children with Kabuki Syndrome Type 2.	The authors have discussed and agreed with the reviewer’s recommendation to the shortened title.
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.	Abstract effectively outlines the study’s objectives, framework, and significance. However, the following improvements are suggested:  The phrase "By leveraging advancements in SET-CHC framework..." could be revised for clarity. Consider rephrasing as "By integrating advancements in the SET-CHC framework..." The mention of co-morbidities could be expanded slightly to clarify their specific impact on educational therapy.	Amendment is made to the reviewer’s suggestion.  “Co-morbidities” has been replaced with “coexisting or concurrent conditions”
Is the manuscript scientifically, correct? Please write here.	The actual application of the framework in real-life educational therapy settings. You may also include a brief mention of pilot studies, case applications, and expected outcomes. Scientific Precision The paper is well-annotated and scientifically sound for the discussion on Kabuki Syndrome Type 2 (KS2) and its application using the SET-CHC framework.	Thank you.

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<p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</p>	<p>The references are well-cited and relevant, but a few recent studies (from 2023–2024) on <b>cognitive interventions for rare genetic disorders</b> could strengthen the manuscript. Consider adding more literature on:</p> <ul style="list-style-type: none"><li>Assistive technologies in educational therapy.</li><li>Newer developments in neurocognitive profiling for genetic syndromes.</li></ul>	<p>Yes, we have added the following latest and additional citations and references as requested by the reviewer to boost up the citations/references in different sections of the paper:</p> <p>Choon, Y. W., Choon, Y. F., Nasarudin, N. A., Al Jasmi, F., Remli, M. A., Alkayali, M. H., &amp; Mohamad, M. S. (2024). Artificial intelligence and database for NGS-based diagnosis in rare disease. <i>Frontiers in Genetics</i>, 14. Article ID: 1258083. <a href="https://doi.org/10.3389/fgene.2023.1258083">https://doi.org/10.3389/fgene.2023.1258083</a></p> <p>Eering, S., &amp; Camulli, J. (2019/2020). Overcoming barriers (Regulatory update): New legislation renews impetus to improve healthcare access for people with disabilities. <i>Canadian Healthcare Facilities</i> (Winter issue), 29-30.</p> <p>Fallah, M. S., Szarics, D., Robson, C. M., &amp; Eubanks, J. H. (2021). Impaired regulation of histone methylation and acetylation underlies specific neurodevelopmental disorders. <i>Frontiers in Genetics</i>, 11. Article ID: 613098. <a href="http://doi.org/10.3389/fgene.2020.613098">http://doi.org/10.3389/fgene.2020.613098</a></p> <p>Hallion, L. S., Hsu, K. J. &amp; Schleider, J. L. (2024). Cognitive training for mental health problems. <i>Nature Mental Health</i>, 2, 17-24. <a href="https://doi.org/10.1038/s44220-023-00185-y">https://doi.org/10.1038/s44220-023-00185-y</a></p> <p>He, D., Wang, R., Xu, Z., Wang, J., Song, P., Wang, H., &amp; Su, J. (2024). The use of artificial intelligence in the treatment of rare diseases: A scoping review. <i>Intractable &amp; Rare Diseases Research</i>, 13(1), 12-22 . <a href="https://doi.org/10.5582/irdr.2023.01111">https://doi.org/10.5582/irdr.2023.01111</a></p> <p>Ng, R., Kalinousky, A. J., &amp; Harris, J. (2024). Neuropsychological profile associated with KAT6A syndrome: Emergent genotype-</p>
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		<p>phenotype trends. <i>Orphanet Journal of Rare Diseases</i>, 19(1). Article No.: 196. <a href="https://doi.org/10.1186/s13023-024-03175-0">https://doi.org/10.1186/s13023-024-03175-0</a></p> <p>Pontikas, C. M., Tsoukalas, E., &amp; Serdari, A. (2022). A map of assistive technology educative instruments in neurodevelopmental disorders. <i>Disability and Rehabilitation. Assistive Technology</i>, 17(7), 738–746. <a href="https://doi.org/10.1080/17483107.2020.1839580">https://doi.org/10.1080/17483107.2020.1839580</a></p> <p>Rahlin, M. (2024). Mobility assistive technology (AT) for children with cerebral palsy (CP): A literature review. <i>International Journal of Management Thinking</i>, 2(2), 71-91. <a href="https://doi.org/10.56868/ijmt.v2i2.70">https://doi.org/10.56868/ijmt.v2i2.70</a></p> <p>Ramos Aguiar, L. R., Álvarez Rodríguez, F. J., Ponce Gallegos, J. C., Velázquez Amador, C. E. (2022). Elicitation of requirements for extended reality generation considering universal design for learning and user-centered design for people with disabilities. In M. Antona, &amp; C. Stephanidis (Eds.), <i>Universal access in human-computer interaction: User and context diversity</i>. [Lecture notes in computer science: Vol. 13309] (pp. 262-276). Cham, Switzerland: Springer. <a href="https://doi.org/10.1007/978-3-031-05039-8_19">https://doi.org/10.1007/978-3-031-05039-8_19</a></p> <p>Rayar, F. (2024). An assistive technology based on object detection for automated task list generation. In <i>Proceedings of the 19<sup>th</sup> International Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications, Vol. 4 (VISIGRAPP)</i> (pp. 601-605). Rome, Italy: VISAPP. <a href="https://doi.org/10.5220/0012453200003660">https://doi.org/10.5220/0012453200003660</a></p> <p>Ribas, M. O. , Micai, M., Caruso, A., Fulceri, F., Fazio, M., &amp; Scattoni, M. L. (2023). Technologies to support the diagnosis and/or treatment of neurodevelopmental disorders: A systematic review. <i>Neuroscience and biobehavioral reviews</i>, 145, 105021. <a href="https://doi.org/10.1016/j.neubiorev.2022.105021">https://doi.org/10.1016/j.neubiorev.2022.105021</a></p> <p>Stasolla, F., Akbar, K., Passaro, A., Dragone, M., Di Gioia, M., &amp; Zullo, A. (2024). Integrating reinforcement learning and serious games to support people with rare genetic diseases and neurodevelopmental disorders: outcomes on parents and caregivers. <i>Frontiers in Psychology</i>, 15. Article ID: 1372769. <a href="https://doi.org/10.3389/fpsyg.2024.1372769">https://doi.org/10.3389/fpsyg.2024.1372769</a></p> <p>van Karnebeek, C. D. M., O'Donnell-Luria, A., Baynam, G., Baudot, A., Groza, T., Jans, J. J. M., Lassmann, T., Letinturier, M. C. V., Montgomery, S. B., Robinson, P. N., Sansen, S., Mehrian-Shai, R., Steward, C., Kosaki, K., Durao, P., &amp; Sadikovic, B. (2024). Leaving no patient behind! Expert recommendation in the use of innovative technologies for diagnosing rare diseases. <i>Orphanet Journal of Rare Diseases</i>, 19(1). Article No.: 357. <a href="https://doi.org/10.1186/s13023-024-03361-0">https://doi.org/10.1186/s13023-024-03361-0</a></p>
Is the language/English quality of the article suitable for scholarly communications?	<div><div></div> Break down long sentences for clarity.</div> <div><div></div> Reduce technical jargon where possible to enhance accessibility for a broader audience.</div>	Yes, this has been done.
Optional/General comments		Thanks to the reviewer for the recommendations and/or suggestions.

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PART 2:

	Reviewer's comment	Author's comment <i>(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)</i>
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	