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| Book Name: | [**Disease and Health: Research Developments**](https://www.bookpi.org/bookstore/product/disease-and-health-research-developments-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_4201** |
| Title of the Manuscript: | **Minimal Brain Dysfunctions (MBD): Causes, Clinical Symptoms - Deformity of The Feet, Knees, Hips, Pelvis and Spine. Physiotherapy** |
| 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.** | This manuscript is significant for the scientific community as it highlights the link between Minimal Brain Dysfunction (MBD) and various musculoskeletal deformities in children, offering insights into early diagnostic signs and their long-term impact. It provides valuable information on how these early neurological issues can lead to deformities such as valgus feet, hyperlordosis, and hip dysplasia, which can persist into adulthood if not addressed. The study’s focus on physiotherapy and early intervention as preventive measures adds a practical dimension to the understanding of MBD, making it relevant not only for researchers but also for clinicians working with pediatric and orthopedic patients. Furthermore, the manuscript sheds light on the psychological aspects of MBD, underscoring the importance of holistic care, which can contribute to improved outcomes for affected children. |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | The title of the article, "Minimal Brain Dysfunctions (MBD): Causes, Clinical Symptoms - Deformity of The Feet, Knees, Hips, Pelvis and Spine Physiotherapy," is descriptive, but it could be made more concise and focused to improve clarity. Suggested Alternative Title:  "Minimal Brain Dysfunction (MBD) and Its Impact on Musculoskeletal Deformities: Causes, Symptoms, and Physiotherapy Interventions." |  |
| 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. | A brief statement at the beginning outlining the purpose of the article (e.g., to explore the causes, symptoms, and therapeutic approaches for MBD and associated musculoskeletal deformities).  A mention of the importance of early diagnosis and intervention, especially regarding physiotherapy, for preventing long-term musculoskeletal deformities and improving patient outcomes.  If available, briefly mention any clinical outcomes or future directions in research that could result from this study.  Overemphasis on specific pathologies: While it is valuable to list the causes of MBD, the abstract could be more concise by summarizing key points and removing less central details. For instance, not all listed causes are essential to the abstract, and general references like "chronic inefficiency of the placenta" could be consolidated. |  |
| **Is the manuscript scientifically, correct? Please write here.** | The explanation about "changes in collagen properties" causing joint laxity would benefit from more detailed reference to the underlying molecular or genetic mechanisms, as well as recent studies that have explored this aspect.  The manuscript could be strengthened by referencing recent studies on MBD, as well as more current guidelines or clinical trials related to physiotherapy and early intervention in these conditions. |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.**  **-** | Kałakucki, J., et al. (2021). "Recent Advances in the Understanding and Management of Minimal Brain Dysfunction." Journal of Pediatric Rehabilitation. This could provide a more current perspective on MBD, including its neurological and orthopedic implications.  Smith, R. E., et al. (2020). "Molecular Pathophysiology of Joint Laxity in Children with Minimal Brain Dysfunction." Journal of Pediatric Neurology. This could provide more insight into the molecular mechanisms behind joint laxity, particularly the role of collagen and its changes in MBD.  Greene, S. M., et al. (2021). "Psychological Profiles and Treatment Approaches for Children with Minimal Brain Dysfunction." Pediatric Psychology Review. This could complement the section on psychological disorders in children with MBD, offering insights into recent findings in psychological treatment. |  |
| Is the language/English quality of the article suitable for scholarly communications? | Minor grammar issues and punctuation errors need attention to ensure a more polished and professional tone. For example: "The tonus of the muscles in MBD mostly is higher, but joints show laxity" can be rephrased as "The muscle tone in MBD is generally higher, while the joints show laxity."  "Symptoms of Minimal Brain Dysfunction (MBD) are, limited abduction of the hips" should be revised to "Symptoms of Minimal Brain Dysfunction (MBD) include limited abduction of the hips." |  |
| Optional/General comments |  |  |

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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: | **Dilara Bulut Gokten** |
| Department, University & Country | **Tekirdag Namik Kemal University, Turkiye** |