

### Review Form 3

Journal Name:	<b>Journal of Advances in Medicine and Medical Research</b>
Manuscript Number:	<b>Ms_JAMMR_121491</b>
Title of the Manuscript:	<b>Gait and/or Balance Impairments in Geriatric Populations: An Etiological Study</b>
Type of the Article	<b>Original Research Article</b>

#### **General guidelines for the Peer Review process:**

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guidelines for the Peer Review process, reviewers are requested to visit this link:

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#### **Important Policies Regarding Peer Review**

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**PART 1: Review Comments**

<b>Compulsory</b> REVISION comments	<b>Reviewer's comment</b>	<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. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.	Yes. This manuscript is important for the scientific community. This is interesting research that examines the relationship between gait measurement results using smart insoles, activities of daily living, and brain imaging. It investigates the factors contributing to gait and balance disorders in older people from multiple perspectives.	
Is the title of the article suitable? (If not please suggest an alternative title)	Yes	
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	
Are subsections and structure of the manuscript appropriate?	Suggestions for improvement: Including the study's limitations and suggestions for future research in the conclusion or discussion section would enrich the manuscript and offer helpful guidance.	
Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.	This manuscript compares older people with other age groups by examining conditions such as hypertension and diabetes, advanced activities of daily living, gait conditions, and brain imaging results. It takes into account multiple aspects, offering a comprehensive analysis from detailed brain imaging to advanced activities of daily living. By investigating the relationship using objective digital data from brain imaging and digital gait assessment, the research provides a novel approach to understanding the diverse factors contributing to the decline in walking ability in older people. This methodology ensures the study's scientific reliability and technical accuracy.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	Yes	
<b>Minor</b> REVISION comments		
Is the language/English quality of the article suitable for scholarly communications?	Yes, the language is suitable. Although, adding more transitional explanations between sentences could enhance the clarity and flow of the text. For example, the first two sentences of the abstract can be combined into one: "For older individuals aged 65 years and above, falls are a significant problem because they result in substantial morbidity and mortality." For reference, according to the WHO, the elderly are those aged 65 years and above.	
<b>Optional/General</b> comments	Suggestions for improvement: <ul style="list-style-type: none"> <li>In Section 2.2.3, Gait Analysis, if the smart insoles have medical device certification, including this information would be important for assessing the reliability of the evaluation results.</li> <li>In Section 2.3, Statistical Analysis, it would be even more beneficial to provide detailed information about which tests were used for each type of analysis.</li> <li>In Figure 1, please add the ages to "refused enrolling N=40."</li> <li>In Table 5, listing the variables used in the multivariate regression analysis would enhance clarity.</li> </ul>	

**PART 2:**

	<b>Reviewer's comment</b>	<b>Author's comment</b> (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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