

Review Form 3

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| Journal Name: | Asian Journal of Medicine and Health |
| Manuscript Number: | Ms_AJMAH_130490 |
| Title of the Manuscript: | Novel therapeutic multiratio lipid profile indices with chronic inflammatory biomarker for predictive detection of early muscle loss in young obese adults |
| Type of the Article | Original Research |

PART 1: Comments

| | Reviewer's comment | Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i> |
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| 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. | The manuscript addresses a critical health issue, focusing on predictive detection of early muscle loss in obese young adults using novel lipid profile indices and chronic inflammatory biomarkers. This innovative approach contributes to the understanding of metabolic and inflammatory interactions in obesity, which has significant implications for early diagnosis and therapeutic interventions. Additionally, the study promotes personalized healthcare by identifying biomarkers that could aid in targeted strategies for muscle preservation in obese individuals. | Thanks for the comments |
| Is the title of the article suitable? (If not please suggest an alternative title) | Yes, the title is suitable as it reflects the scope and objectives of the study clearly and concisely. "Novel Lipid Profile Indices and Chronic Inflammatory Biomarkers for Predictive Detection of Early Muscle Loss in Obese Young Adults" | Ok |
| 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. | The abstract is well-structured, providing a clear overview of the background, methods, results, and conclusions. The suggestions: Include a brief mention of the statistical significance of the findings. Specify key biomarkers or indices that were found to be most predictive. | Thanks for the comments |
| Is the manuscript scientifically, correct? Please write here. | The manuscript appears scientifically robust, with appropriate methodologies and data analysis. The use of lipid profile indices and inflammatory biomarkers is well-justified and aligns with the study objectives. However, the authors should ensure that all experimental details. | Done |
| Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. | The references are sufficient and mostly recent. | Thanks |
| Is the language/English quality of the article suitable for scholarly communications? | The language is generally clear and suitable for scholarly communication. Minor grammatical and stylistic improvements could enhance readability. | Yes |
| Optional/General comments | The study could benefit from a more detailed discussion of the clinical applications of the findings. | Noted |

Review Form 3

PART 2:

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| | 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? | <i>(If yes, Kindly please write down the ethical issues here in details)</i> | |