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REVIEWER'S REPORT

Manuscript No.: IJAR-51727 Date: 21-05-2025

Title: Assessment of Pulmonary Function Test Profile among school- going children in reference to Anthropometric Profile: A Prospective Observational Study

Recommendation:
Accept as it is.....YES.....
Accept after minor revision.....
Accept after major revision .....
Do not accept (*Reasons below*) .....

Rating	Excel.	Good	Fair	Poor
Originality			√	
Techn. Quality			√	
Clarity			√	
Significance			√	

Reviewer's Name: Dr Aamina

Reviewer's Decision about Paper: **Recommended for Publication.**

Comments (*Use additional pages, if required*)
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Reviewer's Comment / Report

General Overview:
This prospective observational study investigates the relationship between pulmonary function parameters and various anthropometric indices among healthy school-aged children. The research is timely and relevant, particularly in the context of increasing concerns regarding pediatric respiratory health. The study's focus on integrating basic anthropometric parameters with spirometric values offers a valuable perspective for preventive healthcare in pediatric populations.

Abstract:
The abstract provides a clear and structured summary of the study, outlining the background, aim, methodology, and key findings. It appropriately highlights the importance of pulmonary function testing (PFT) in children and the significance of anthropometric measures in evaluating respiratory health. The language is precise and scientific, catering to a professional medical audience.

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Background:
The background sets an appropriate context by emphasizing the need for early pulmonary health assessments in children and the role of primary care physicians in utilizing spirometry. It justifies the study's rationale by linking growth parameters with potential variations in lung function, thereby reinforcing the significance of this investigation.

Aims and Objectives:
The study's aims are well-defined. It intends to explore correlations between PFT outcomes and detailed anthropometric variables, which are clearly enumerated. This objective aligns well with the broader goal of improving pediatric respiratory assessments.

Materials and Methods:
The methodology is comprehensive and systematically presented. The inclusion of 555 healthy children from grades V to X provides a substantial and diverse sample size. The anthropometric parameters are detailed, and their measurements appear to be methodically conducted. The use of a digital RMS-MED spirometer, along with adherence to strict protocols, adds validity to the testing procedure. The mention of informed parental consent indicates ethical compliance.

Results:
The results section concisely presents the major findings. The observed positive correlations between PFT parameters and anthropometric measures (age, height, weight, CC, UMAC, WC, and HC) are clearly noted. The statistical significance ($P < 0.05$) is appropriately highlighted, supporting the credibility of the findings. While detailed numerical data is not included in this abstract, the summary effectively communicates the essence of the results.

Scientific Rigor and Clarity:
The study demonstrates scientific rigor in its design and execution. The clarity of presentation and consistent use of medical terminology make the report accessible to professionals in pediatric and respiratory medicine. The structure of the report adheres to academic standards, and the logical progression from aim to results is maintained throughout.

Final Assessment:
This observational study contributes valuable insights into the association between anthropometric and pulmonary function profiles in school-aged children. Its implications for routine pediatric assessments and early detection of respiratory anomalies are noteworthy. The report is methodically structured, scientifically sound, and clinically relevant.

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