

## REVIEWER'S REPORT

Manuscript No.: **IJAR-53509**

Date: 23-08-2025

**Title: Dengue in Pediatric Populations: Challenges and Management Strategies**

### 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 Name: Dr Aamina

### Reviewer's Comment for Publication.

### Abstract Evaluation:

The abstract offers a comprehensive overview of dengue in pediatric populations, situating the disease within a global public health framework. It effectively highlights the rising incidence, the heightened vulnerability of children, and the clinical spectrum ranging from mild illness to severe, life-threatening complications such as dengue hemorrhagic fever (DHF) and dengue shock syndrome (DSS). The discussion of risk factors—including obesity, secondary infections, maternal antibodies, and age—adds depth to the understanding of disease severity.

The abstract also provides a clear outline of management strategies, emphasizing supportive care, fluid replacement, and vigilant monitoring, while acknowledging the absence of specific antiviral therapy. The role of nurses in early identification, fluid management, health education, and community awareness is appropriately underscored. Vaccine-related challenges, particularly with Dengvaxia, are acknowledged, emphasizing the need for broader pediatric applicability. The scope of the article, including epidemiology, pathophysiology, diagnostics, risk factors, prevention, and nursing responsibilities, is clearly articulated, making the abstract both informative and purposeful.

### Introduction Evaluation:

The introduction situates dengue within the context of global epidemiology, citing WHO data to underscore its high incidence. The disproportionate impact on children is well noted, especially in relation to severe complications such as DHF and DSS. The text captures the diagnostic challenges posed by atypical pediatric presentations and situates the discussion within the geographical and environmental context of dengue-endemic regions, such as India during the monsoon season.

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The section provides a clear rationale for the review, outlining its focus on the complexities of pediatric dengue and the range of aspects it will address, from epidemiology to management. Its concise framing and reference to multiple peer-reviewed sources establish a scholarly and evidence-based foundation.

### **Overall Assessment:**

The manuscript presents a well-structured and detailed exploration of dengue in pediatric populations. The abstract captures the breadth of the issue, while the introduction effectively contextualizes the disease burden, diagnostic challenges, and clinical significance. The emphasis on risk factors, management, nursing roles, and prevention strategies indicates a holistic approach to the topic. The work demonstrates clarity, coherence, and relevance, contributing to ongoing academic and clinical discourse on pediatric dengue.

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