

## REVIEWER'S REPORT

Manuscript No.: IJAR-52235

Date: 13.06.2025

**Title:** VACCINATION AND THE BATTLE AGAINST POLIO: A PUBLIC HEALTH TRIUMPH.

### Recommendation:

Accept as it is .....

Accept after minor revision..... **Accept after minor revision**

Accept after major revision .....

Do not accept (*Reasons below*) .....

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

Reviewer Name: Mittameedi Chandra Mohan

**Date:** 13.06.2025

### Reviewer's Comment for Publication.

*(To be published with the manuscript in the journal)*

*The reviewer is requested to provide a brief comment (3-4 lines) highlighting the significance, strengths, or key insights of the manuscript. This comment will be Displayed in the journal publication alongside with the reviewers name.*

Emphasizes the vital role of early detection and sustained vaccination in controlling poliovirus, particularly among high risk pediatric groups. By outlining key clinical indicators, dependable stool diagnostics, and global eradication efforts, it highlights the ongoing need for preventive strategies to maintain polio free status and minimize paralysis-related complications.

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### *Detailed Reviewer's Report*

#### **Comment 1:**

The reference to the Global Polio Eradication Initiative is valuable, but the section would be more compelling if it included specific citations or quantitative data to substantiate the reported decreases in paralysis cases and childhood mortality.

#### **Comment 2:**

While the discussion of clinical and laboratory diagnostic methods is informative, the manuscript would be strengthened by more clearly distinguishing between early detection methods, such as throat swabs, and confirmatory testing like stool sample analysis. Including information on the sensitivity and optimal timing of each test would enhance clarity and diagnostic relevance.

#### **Comment 3:**

Since India is cited as a polio-free country facing potential risk, the manuscript would benefit from a brief discussion of current preventive strategies such as routine immunization campaigns, surveillance systems, and cross-border monitoring that help sustain its polio-free status and mitigate the threat of reintroduction.

#### **Comment 4:**

The manuscript effectively underscores the risk of polio resurgence; however, it would be strengthened by a more comprehensive discussion of global eradication strategies. This could include details on surveillance systems, cross-border immunization efforts, and the roles played by key organizations such as the WHO and the Global Polio Eradication Initiative (GPEI).