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Peer Review

Review of: "The Evolving Panorama of Typhoid Fever: International Burden, Antimicrobial Resistance, and the Tactical Integration of Conjugate Vaccines"

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This is a timely and well-organized narrative review covering the global burden of typhoid fever, the growing challenge of antimicrobial resistance, and the expanding role of Typhoid Conjugate Vaccines (TCVs). The discussion of XDR *Salmonella Typhi*, particularly the H58 lineage and the spread of the *blaCTX-M-15* resistance gene, is informative and supported by recent literature. Overall, the manuscript provides a useful overview of the current landscape.

However, before publication, the manuscript would benefit from careful language editing and a more balanced discussion of how the proposed strategies can be implemented in resource-limited settings where typhoid remains most prevalent.

Major Comments

1. Language and formatting

The manuscript would benefit from professional English editing. There are several grammatical inconsistencies and informal expressions that reduce readability. Formatting should also follow international scientific conventions. For example, numerical values should be written as **110,000** instead of **1,10,000**, and references such as *"see table -1 below"* should be replaced with standard citations (e.g., **Table 1**).

2. Practical implementation in LMICs

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The section on future directions emphasizes AI, genomic surveillance, and wastewater monitoring. While these are important developments, the discussion should better acknowledge the practical limitations faced by many endemic regions, including limited laboratory capacity, financial constraints, and unreliable infrastructure. Including these implementation challenges would make the recommendations more realistic and globally applicable.

3. Clinical stewardship

The discussion of antimicrobial stewardship places considerable emphasis on rapid molecular diagnostics. In many high-burden LMIC settings, however, patients present with acute undifferentiated fever, and molecular testing is often unavailable or not rapidly accessible. The manuscript should discuss stewardship alongside pragmatic, risk-stratified empirical treatment approaches rather than implying that molecular diagnostics alone can guide routine clinical decision-making.

4. Review methodology

This appears to be a narrative review, but the manuscript does not state how the literature was identified or selected. A brief description of the literature search strategy—or explicitly stating that this is a narrative review—would improve transparency.

Recommendation

Major Revision

The manuscript addresses an important public health topic and summarizes the current evidence well. With improved language, clearer formatting, greater attention to the realities of resource-limited settings, and a brief description of the review methodology, it would provide a stronger and more balanced contribution.

Declarations

Potential competing interests: No potential competing interests to declare.