



## PEER-REVIEW REPORT

**Name of journal:** *World Journal of Virology*

**Manuscript NO:** 100489

**Title:** Pathogenesis and clinical management of arboviral diseases

**Provenance and peer review:** Unsolicited Manuscript; Externally peer reviewed

**Peer-review model:** Single blind

**Reviewer's code:** 08194741

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Associate professor

**Reviewer's Country/Territory:** Vietnam

**Author's Country/Territory:** Brazil

**Manuscript submission date:** 2024-08-18

**Reviewer chosen by:** Yu Bai

**Reviewer accepted review:** 2024-08-28 14:14

**Reviewer performed review:** 2024-09-09 14:43

**Review time:** 12 Days

<b>Scientific quality</b>	<input checked="" type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
<b>Novelty of this manuscript</b>	<input checked="" type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No novelty
<b>Creativity or innovation of this manuscript</b>	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No creativity or innovation



<b>Scientific significance of the conclusion in this manuscript</b>	<input checked="" type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No scientific significance
<b>Language quality</b>	<input checked="" type="checkbox"/> Grade A: Priority publishing <input type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
<b>Conclusion</b>	<input checked="" type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
<b>Re-review</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>Peer-reviewer statements</b>	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous
	Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

### SPECIFIC COMMENTS TO AUTHORS

Overall Assessment: The manuscript provides a comprehensive and well-structured review of the pathogenesis, diagnosis, and management of four major arboviral diseases: DENV, ZIKV, YFV, and CHIKV. The authors have effectively synthesized the current state of knowledge in this field, presenting the information in a clear and concise manner. The manuscript is supported by relevant scientific evidence and offers valuable insights for clinicians and medical students. Strengths: • Clear and concise presentation: The manuscript is well-organized and easy to follow, making it accessible to a wide range of readers. • Comprehensive coverage: The authors have covered a broad range of topics related to arboviral diseases, including pathogenesis, clinical manifestations, diagnostic testing, therapeutic options and prevention. The information provided on promising drugs and both approved and experimental vaccines is particularly valuable for clinicians. • Up-to-date information: The references used are recent and relevant, ensuring that the review reflects the latest advancements in the field. • Clinical relevance: The review is highly relevant to clinicians and medical students, providing practical information that can be applied in clinical practice. Major Issues: None. Minor Issues: 1.



**Baishideng  
Publishing  
Group**

7041 Koll Center Parkway, Suite  
160, Pleasanton, CA 94566, USA  
**Telephone:** +1-925-399-1568  
**E-mail:** office@baishideng.com  
**https://**www.wjgnet.com

Diagnostic testing for dengue: While the authors provide a good overview of diagnostic testing for dengue, more specific recommendations regarding the appropriate tests to be performed at different stages of the infection would be helpful. This could be modeled after the clarity provided for Zika virus testing. 2. Typo: There is a typo on page 21, line 3 from the bottom. Recommendations: • The authors should address the minor issue regarding diagnostic testing for dengue by providing more specific recommendations. • The typo should be corrected. Overall, I strongly recommend the manuscript for publication in the World Journal of Virology. It is a valuable contribution to the field of arboviral diseases and will be of interest to a wide range of readers. The manuscript's strengths outweigh the minor issues, and the authors have provided a high-quality review that is both informative and clinically relevant.