

## PEER-REVIEW REPORT

**Name of journal:** *World Journal of Transplantation*

**Manuscript NO:** 88080

**Title:** BK Viral Infection: A Review of Management and Treatment

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

**Peer-review model:** Single blind

**Reviewer's code:** 03850020

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Associate Professor

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

**Author's Country/Territory:** United States

**Manuscript submission date:** 2023-09-08

**Reviewer chosen by:** Yu-Lu Chen

**Reviewer accepted review:** 2023-09-25 11:22

**Reviewer performed review:** 2023-09-26 05:09

**Review time:** 17 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input checked="" 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 Grade E: Do not publish
Novelty of this manuscript	<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 novelty
Creativity or innovation of this manuscript	<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 type="checkbox"/> Grade A: Excellent <input checked="" 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 type="checkbox"/> Accept (High priority) <input checked="" 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, a very well written systematic review. BK virus infection is a much more serious problem, especially in bone marrow transplant patients. This situation can be briefly mentioned in the review.

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**Peer-review model:** Single blind

**Reviewer's code:** 03293797

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Surgeon, Chief Doctor

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

**Author's Country/Territory:** United States

**Manuscript submission date:** 2023-09-08

**Reviewer chosen by:** Yu-Lu Chen

**Reviewer accepted review:** 2023-09-25 09:00

**Reviewer performed review:** 2023-09-26 09:57

**Review time:** 1 Day

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input checked="" 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
Novelty of this manuscript	<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 novelty
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<b>Language quality</b>	<input type="checkbox"/> Grade A: Priority publishing <input checked="" 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 type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
<b>Re-review</b>	<input checked="" type="checkbox"/> Yes <input 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

The article titled "BK Viral Infection: A Review of Management and Treatment" explores current status and future perspectives of BK viral infection in hematopoietic stem cell transplant and solid organ transplant recipients, especially in kidney transplantation. This article provides valuable insights into the management of BK viral infection post-transplant. They are well-structured, comprehensive, and contribute to the existing literature. However, some issues are needed to address to enhance its impact. 1. This article highlights the clinical significance of the research in the context of the literature. However, readers could benefit from a more critical analysis of the effectiveness of different management strategies. Expanding the discussion of limitations and potential risks associated with each treatment modality would provide a more balanced view. 2. Lack of a section on ongoing research and future directions in the field of BK infection treatment. If included, it could be beneficial for readers. 3. Lack of key words and evidence-synthesis rationale such as PRISMA 2009 Checklist. In summary, the article provides a valuable overview of current treatment options for BK viral infection in transplant recipients. It effectively discusses various modalities and cites relevant clinical

trials and studies. To further improve the article, consider addressing the recommendations mentioned above. Additionally, ensuring that the article is up-to-date with the latest research findings will enhance its overall quality.