### **Peer Review Report**

# Review Report on Phages as potential life-saving therapeutic option in the treatment of multidrug-resistant urinary tract infections

Mini Review, Acta Biochim. Pol.

Reviewer: Wioletta Adamus-Białek

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#### **EVALUATION**

#### Q 1 Please summarize the main theme of the mini review

It is a quick review on the potential use of phage therapy in UTIs, taking into account the problems associated with it.

## Q 2 Please highlight the limitations and strengths.

I have no doubt that the work should be published. The manuscript is written in an interesting way, dynamically and in reference to the latest data, without unnecessary details. I only miss an explanation, drawing attention to one important problem of PT in UTIs caused mainly by E. coli. In this case, the problem is recurrent infections and the resulting increasing drug resistance of bacteria in the suffering patient. This results from the intracellular pathogenesis of E. coli, and as we know, phages are not able to enter eukaryotic cells. The therapeutic effect will seem effective, but the problem will probably return as before. I kindly ask you to add and expand this thread to your work.

Q 3 Does the review include a balanced, comprehensive and critical view of the research area?

yes

#### **Check List**

Q 4 Is the English language of sufficient quality?

Yes.

Q 5 Is the quality of the figure and/or table satisfactory?

Yes.

Q 6 Does this manuscript refer only to published data? (unpublished or original data is not allowed for this article type)

Yes.

Q 8	Does the reference list cover the relevant literature adequately and in an unbiased manner?
es.	
Q 9	Does the manuscript include recent developments?
Q 10 oublish	Does the review add new insights to the scholarly literature with respect to previously ed reviews?
25.	
es.	
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