Name of journal: *World Journal of Virology*

Manuscript NO: 92586

Title: Exploring the impact of rotavirus vaccination on antibiotic prescription and resistance: A comprehensive systematic review

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer’s code: 05143196

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer’s Country/Territory: Indonesia

Author’s Country/Territory: Romania

Manuscript submission date: 2024-01-30

Reviewer chosen by: AI Technique

Reviewer accepted review: 2024-02-29 03:08

Reviewer performed review: 2024-02-29 04:20

Review time: 1 Hour

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<th>Scientific quality</th>
<th>[ ] Grade A: Excellent</th>
<th>[ ] Grade B: Very good</th>
<th>[Y] Grade C: Good</th>
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<td>[ ] Grade D: Fair</td>
<td>[ ] Grade E: Do not publish</td>
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<tr>
<th>Novelty of this manuscript</th>
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<th>Creativity or innovation of this manuscript</th>
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<td>[ ] Grade D: No creativity or innovation</td>
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### Scientific significance of the conclusion in this manuscript

- **Grade A:** Excellent
- **Grade B:** Good
- **Grade C:** Fair
- **Grade D:** No scientific significance

### Language quality

- **Grade A:** Priority publishing
- **Grade B:** Minor language polishing
- **Grade C:** A great deal of language polishing
- **Grade D:** Rejection

### Conclusion

- **Accept (High priority)**
- **Accept (General priority)**
- **Minor revision**
- **Major revision**
- **Rejection**

### Re-review

- **Yes**
- **No**

### Peer-reviewer statements

- **Anonymous**
- **Nonymous**

### Conflicts-of-Interest

- **Yes**
- **No**

## SPECIFIC COMMENTS TO AUTHORS

Abstract

In conclusion, all the studies support the idea that vaccinations can reduce the need for antibiotic prescriptions. -This conclusion didn't address the study's objective (see the title and revise the conclusion section also). Several studies have hypothesized that rotavirus vaccination has been linked to lower rates of antibiotic resistance. -I can't find those studies in the Introduction section. Method

Is this study specific for rotavirus infection in children? (see key word in search strategy) The author should revise the title and add information in Introduction section. There are six different study designs (inclusion criteria). Why the author state not applicable for evaluation the study's bias? There are critical appraisal tools for every study design. The following data were extracted and entered into a summarization table: name of the first author of the study, year of publication of the study, country of execution, study type, study period, population, intervention, administration of other vaccinations, population of comparison, assessment for or history of infections, history of antibiotic use, antibiotic prescriptions, antibiotic prescription following acute gastroenteritis, data on antimicrobial resistance. The author should report every finding for every aspect that already extracted, even...
though ‘NS, not specified’ or ‘Not assessed’ and discuss it subsequently (in the discussion section). What is the difference between ‘NS, not specified’ and ‘Not assessed’?
**PEER-REVIEW REPORT**

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**Title:** Exploring the impact of rotavirus vaccination on antibiotic prescription and resistance: A comprehensive systematic review

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**Reviewer’s code:** 05665395

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Director, Professor

**Reviewer’s Country/Territory:** China

**Author’s Country/Territory:** Romania

**Manuscript submission date:** 2024-01-30

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2024-02-27 03:58

**Reviewer performed review:** 2024-03-05 07:13

**Review time:** 7 Days and 3 Hours

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**SPECIFIC COMMENTS TO AUTHORS**

This systematic review aims to explore the association between rotavirus and antibiotic resistance, considering the implications for patient care, public health, and antimicrobial stewardship. By synthesizing the available evidence, the authors aim to shed light on this topic and provide insights that can inform clinical practice, policy-making, and future research endeavors in this field. It has certain clinical value and significance.