

## REVIEWER'S REPORT

Manuscript No.: IJAR-55261

**Title:** Knowledge regarding Human papilloma virus vaccine among residents of selected villages of Rajpura, District Patiala, Punjab

### Recommendation:

Accept as it is .....

**Accept after minor revision.....**

Accept after major revision .....

Do not accept (*Reasons below*) .....

Rating	Excel.	Good	Fair	Poor
Originality		X		
Techn. Quality		X		
Clarity		X		
Significance			X	

Reviewer Name: Dr. Mohammad Nadeem Khan

## Detailed Reviewer's Report

### 1. Overall Assessment

This manuscript addresses an important public health issue—awareness and knowledge of HPV vaccination in rural Indian communities. Given India's cervical cancer burden and the recent rollout of indigenous HPV vaccines under national programs, the topic is timely, socially relevant, and aligned with preventive oncology priorities. The study contributes region-specific data that can inform community-level interventions and nurse-led health education strategies.

### 2. Title and Abstract

#### Assessment

The title is clear, specific, and accurately reflects the study population, setting, and objective. The abstract is concise and well-structured, summarizing the background, methodology, key findings, and conclusions appropriately.

- Minor grammatical refinement is recommended in the abstract for clarity (e.g., “knowledge regarding HPV vaccine” → “knowledge regarding the HPV vaccine”).
- Consider explicitly mentioning “rural community” in the abstract to strengthen contextual clarity.

### 3. Introduction and Need of the Study

#### Assessment

The introduction provides adequate background on cervical cancer epidemiology, HPV etiology, and vaccination relevance. The global-to-local progression is logical and well-supported by references. The “Need of the Study” section clearly justifies the rationale, especially highlighting rural disparities and low vaccine uptake.

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- Strong epidemiological justification
- Clear linkage between HPV infection and cervical cancer prevention
- Policy relevance with mention of Cervavac and national initiatives
- Some references could be consolidated to avoid repetition (e.g., global cancer statistics cited more than once).
- Formatting inconsistencies (spacing, superscripts) should be corrected.

### 4. Materials and Methods

#### Assessment

The study design, sampling technique, inclusion criteria, and data collection tools are clearly described. The use of a self-structured questionnaire is appropriate for a descriptive knowledge assessment.

#### Strengths

- Clear definition of sample size and population
- Appropriate use of descriptive and inferential statistics
- Ethical permission and institutional acknowledgment noted
- Non-probability convenience sampling limits generalizability
- Small sample size (N=70)

These limitations are acceptable for a community-based descriptive study and do not undermine the study's intent.

### 5. Results

#### Assessment

Results are systematically presented with well-organized tables and figures. The knowledge-level categorization is clear and statistically supported.

- Tables are informative and logically sequenced
- Appropriate use of chi-square tests for association
- Clear identification of statistically significant variables (prior awareness and source of information)
- Ensure consistency in percentages reported in text versus tables (e.g., female percentage discrepancy).
- Improve figure labeling resolution for better readability.

### 6. Discussion

#### Assessment

The discussion appropriately interprets the findings in light of existing literature. Comparisons with recent Indian and international studies are relevant and well-integrated.

- Logical interpretation of non-significant demographic associations
- Strong emphasis on the role of media and health workers

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- Clear public health implications
- Briefly expand on how nurse-led interventions can be operationalized at the village level.

### 7. Conclusion

The conclusion accurately reflects the study findings and emphasizes practical implications. The role of nurses, community health workers, and media is appropriately highlighted.

### 8. References

#### Assessment

References are relevant, mostly recent, and appropriate for the topic.

#### Minor Issues

- Duplicate citation of global cancer statistics should be avoided.
- Ensure uniform formatting as per journal guidelines.

### 9. Ethical Considerations

Ethical approval, institutional permission, and acknowledgments are clearly stated. No ethical concerns are identified.