



REVIEWER'S REPORT

Manuscript No.: IJAR-50309

Date: 19-02-2025

Title: STUDY OF CLINICAL PROFILE AND OCULAR CHANGES OF PATIENTS HAVING PREGNANCY INDUCED HYPERTENSION IN A TERTIARY CARE RURAL HOSPITAL

Recommendation:

- Accept as it is.....**YES**.....
- Accept after minor revision.....
- Accept after major revision
- Do not accept (*Reasons below*)

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

Reviewer's Name: Dr Aamina

Reviewer's Decision about Paper: **Recommended for Publication.**

Comments (*Use additional pages, if required*)

Reviewer's Comment / Report

Review Report

Summary: The study presents an in-depth analysis of the clinical profile and ocular manifestations in patients with pregnancy-induced hypertension (PIH) at a tertiary care rural hospital. It effectively categorizes PIH into mild pre-eclampsia, severe pre-eclampsia, and eclampsia while examining ocular changes in affected individuals. The research is supported by relevant statistical analysis and comparisons with existing literature.

Strengths:

1. **Relevance and Significance:** The study highlights the critical relationship between PIH and ocular changes, emphasizing the need for ophthalmological screening in PIH patients.
2. **Methodology:** A well-structured hospital-based, descriptive cross-sectional study design was employed, including a clearly defined inclusion and exclusion criteria.
3. **Data Presentation:** Tables and graphs are effectively used to illustrate age-wise distribution, gravida classification, and ocular changes among PIH patients.

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4. **Comparative Analysis:** The study aligns its findings with previous research, strengthening its credibility.
5. **Clinical Implications:** The results underscore the importance of early diagnosis and timely intervention in preventing vision-related complications in PIH patients.

Areas for Improvement:

1. **Introduction:**
 - The introduction is informative but could benefit from a more structured breakdown of the current gaps in knowledge and how this study fills them.
 - Consider mentioning how the study's findings could influence clinical practices in rural settings.
2. **Methodology:**
 - The methodology is well-explained, but additional details about the statistical methods used (such as the significance level in chi-square tests) would enhance clarity.
 - Information on potential biases and how they were mitigated would improve the robustness of the study.
3. **Results:**
 - While the results section is comprehensive, discussing possible reasons for variations in the findings compared to previous studies would provide a deeper insight.
 - A brief explanation of why the age group 28-32 years had the highest incidence of ocular changes would be beneficial.
4. **Discussion:**
 - The discussion successfully correlates findings with existing studies; however, a more detailed analysis of the pathophysiology linking PIH and ocular changes would add depth.
 - Addressing potential limitations, such as sample size constraints or the exclusion of patients with pre-existing hypertension, would strengthen the credibility of the study.
5. **Conclusion:**
 - The conclusion effectively summarizes the study, but emphasizing specific recommendations for clinical practice and future research directions would enhance its impact.