

REVIEWER'S REPORT

Manuscript No.: IJAR-54067

Date: 26/09/2025

Title: Relation of Tear Film Function with Monocular Pterygium

Recommendation:

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

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

Reviewer Name: Dr. S. K. Nath

Date: 27/09/2025

Reviewer's Comment for Publication:

The study concludes that tear film abnormalities are significantly associated with pterygium, highlighting the importance of tear film assessment in such patients. Given the limitations, these findings should be viewed as preliminary, warranting further large-scale, controlled studies.

Reviewer's Comment / Report

Strengths:

- The study addresses a relevant clinical topic, exploring the relationship between pterygium and tear film abnormalities.
- The authors have employed recognized clinical tests (TBUT and Schirmer's) to evaluate tear film function.
- The conclusion clearly states the association between pterygium and tear film instability, emphasizing the significance of these findings.
- Ethical considerations are evident through the inclusion of an informed consent form (Appendix III).

Weaknesses and Areas for Improvement:

1. **Study Limitations:** The sample size is small, which limits the generalizability of findings. Expanding the sample size in future studies is recommended. Lack of comparative data from age & sex-matched control subjects without pterygium reduces the conclusiveness of the findings regarding pterygium-specific abnormalities. Incorporating such control groups would strengthen the study. The absence of additional tear film assessment procedures (e.g., Rose Bengal stain, OCT, LTMH, conjunctival impression cytology) limits the comprehensiveness of tear film evaluation.
2. **Methodological Details:** More detailed methodology regarding how tests were performed (e.g., environmental conditions, time of day, examiner calibration) should be included for reproducibility. Clarify inclusion and exclusion criteria for study participants.
3. **Typos and Grammatical Errors:** The document contains several typographical and grammatical errors that hinder readability. Examples include inconsistent spacing, fragmented sentences, and capitalization issues. The appendix numbering (e.g., AppendixIV, AppendixIII) appears inconsistent; standard formatting should be adopted.
4. **Formatting and Presentation:** Uniformity in referencing appendices and chapters is needed for clarity. The language in some sections (e.g., Appendix II and III) could be made more professional and concise.

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Recommendations for Authors:

- Include a control group of matched healthy individuals for comparative analysis.
- Expand tear film assessment using additional procedures if resources permit.
- Standardize testing conditions and detail the methodology clearly.
- Correct grammatical and typographical errors throughout the manuscript.
- Reformat appendices and references consistently for professionalism.
- Consider including statistical analyses to strengthen the evidence of the associations found.