

## REVIEWER'S REPORT

Manuscript No.: IJAR- 51075

Date: 15/04/2025

Title: Penetrating Keratoplasty: Experience of Two Hospitals in Casablanca

### 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: 16/04/2025

### Reviewer's Comment for Publication:

The study concludes that penetrating keratoplasty yields satisfactory results when surgical indications are meticulously evaluated and when there is vigilant postoperative monitoring to address complications. Despite challenges in corneal donation, the authors advocate for enhancing public awareness and improving organ donation practices to meet increasing demand for corneal grafts. They recognize the importance of exploring newer grafting techniques and emphasize the necessity of personalized approaches for optimal patient outcomes. Overall, while the study presents valuable insights into the procedural efficacy and challenges within the Moroccan context, further research is suggested to strengthen findings and expand their applicability across different settings.

### Reviewer's Comment / Report

#### Strengths:

- Comprehensive Data Collection:** The study analyzed a substantial number of patients (189), allowing for statistically significant results regarding outcomes and complications.
- Relevant Timeframe:** Conducted over a five-year period, it captures both immediate and long-term outcomes post-surgery.
- Wide Range of Indications:** The study identifies a variety of indications for penetrating keratoplasty, particularly advanced keratoconus and bullous keratopathy, which are prevalent in the population.
- Comparison with Literature:** The results are contextualized within existing literature, helping to affirm the findings and highlight their relevance to the region's specific circumstances.
- Emphasis on Monitoring:** The study stresses the necessity of regular postoperative monitoring for detecting complications, emphasizing best practices in patient care.

#### Weaknesses:

- Lack of Control Group:** The absence of a control group limits the ability to compare outcomes against a baseline population that did not undergo the procedure.
- Potential Selection Bias:** The study only includes patients with complete records, which may result in a selection bias if certain demographics are lost to follow-up.
- Limited Generalizability:** The findings are based on specific hospitals in Casablanca and may not be applicable to other regions or healthcare systems with different practices and patient populations.
- Focus on Acute Outcomes:** While postoperative outcomes are presented, the long-term follow-up data for visual acuity and complication rates beyond the recorded period could provide more insights.