

REVIEWER'S REPORT

Manuscript No.: IJAR- 51175

Date: 21/04/2025

Title: "Techniques and Outcomes of Secondary Intraocular Lens Implantation: A Comprehensive Review"

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: 22/04/2025

Reviewer's Comment for Publication:

In conclusion, this comprehensive review effectively summarizes the techniques and outcomes associated with secondary intraocular lens implantation. It serves as an invaluable resource for ophthalmologists, providing insights into current practices and advancements in the field. While it highlights the generally favorable visual outcomes and emphasizes the need for individualized treatment strategies, the study would benefit from a broader exploration of long-term data and a deeper analysis of the demographic factors affecting outcomes. Overall, it contributes meaningfully to the ongoing discourse on enhancing visual function in patients suffering from aphakia and refractive errors.

Reviewer's Comment / Report

Strengths:

- Comprehensive Coverage:** The paper provides a thorough overview of multiple surgical techniques for secondary IOL implantation, including posterior chamber IOLs (PCIOL), anterior chamber IOLs (ACIOL), iris-claw, and scleral-fixated IOLs. This breadth of information is beneficial for clinicians looking to understand their options in managing aphakia or significant refractive errors.
- Methodological Rigor:** The review is based on a comprehensive literature search across multiple reputable databases (PubMed, Scopus, Cochrane Library, Google Scholar). By focusing on peer-reviewed studies published over two decades, it establishes a solid foundation for its findings.
- Data-Driven Analysis:** The study includes a detailed analysis of various outcomes from selected studies, emphasizing visual acuity and complication rates following different IOL implantation techniques.
- Emphasis on Individualized Treatment Plans:** The paper underscores the importance of tailoring treatment to individual patient needs, taking into account factors like ocular anatomy and surgical history.

Weaknesses:

- Limitations in Study Selection:** While the exclusion criteria aim to filter out less relevant studies, it may have led to the omission of useful case reports or non-peer-reviewed articles that could have added practical insights or novel findings.
- Lack of Longitudinal Data:** Although the paper mentions the follow-up duration, it may not fully address the potential for long-term complications or functional outcomes over extended periods post-implantation.
- Generalization of Outcomes:** The report highlights favorable outcomes for most patients but does not delve into the variability in results based on demographic or clinical factors, which could be important for personalized medicine.