

## PEER-REVIEW REPORT

**Name of journal:** *World Journal of Clinical Cases*

**Manuscript NO:** 70650

**Title:** Tilt and decentration with various intraocular lenses: a narrative review

**Provenance and peer review:** Unsolicited manuscript; externally peer reviewed

**Peer-review model:** Single blind

**Reviewer's code:** 05275449

**Position:** Peer Reviewer

**Academic degree:** MD, MSc

**Professional title:** Academic Research, Attending Doctor, Chief Physician, Doctor, Senior Researcher, Statistician

**Reviewer's Country/Territory:** Canada

**Author's Country/Territory:** China

**Manuscript submission date:** 2021-08-09

**Reviewer chosen by:** Xin Liu (Online Science Editor)

**Reviewer accepted review:** 2021-11-27 13:11

**Reviewer performed review:** 2021-11-30 02:57

**Review time:** 2 Days and 13 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input checked="" type="checkbox"/> Grade A: Priority publishing <input type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No



**Baishideng  
Publishing  
Group**

7041 Koll Center Parkway, Suite  
160, Pleasanton, CA 94566, USA  
**Telephone:** +1-925-399-1568  
**E-mail:** bpgoffice@wjgnet.com  
<https://www.wjgnet.com>

<b>Peer-reviewer statements</b>	Peer-Review: [ <input type="checkbox"/> ] Anonymous [ <input checked="" type="checkbox"/> ] Onymous Conflicts-of-Interest: [ <input type="checkbox"/> ] Yes [ <input checked="" type="checkbox"/> ] No
-------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

## **SPECIFIC COMMENTS TO AUTHORS**

Please see the attached Word File for specific comments to the authors.

## PEER-REVIEW REPORT

**Name of journal:** *World Journal of Clinical Cases*

**Manuscript NO:** 70650

**Title:** Tilt and decentration with various intraocular lenses: a narrative review

**Provenance and peer review:** Unsolicited manuscript; externally peer reviewed

**Peer-review model:** Single blind

**Reviewer's code:** 02862753

**Position:** Editorial Board

**Academic degree:** MD

**Professional title:** Full Professor

**Reviewer's Country/Territory:** Lebanon

**Author's Country/Territory:** China

**Manuscript submission date:** 2021-08-09

**Reviewer chosen by:** Xin Liu (Online Science Editor)

**Reviewer accepted review:** 2021-12-06 16:19

**Reviewer performed review:** 2021-12-06 16:59

**Review time:** 1 Hour

<b>Scientific quality</b>	[ <input checked="" type="radio"/> ] Grade A: Excellent [ <input type="radio"/> ] Grade B: Very good [ <input type="radio"/> ] Grade C: Good [ <input type="radio"/> ] Grade D: Fair [ <input type="radio"/> ] Grade E: Do not publish
<b>Language quality</b>	[ <input checked="" type="radio"/> ] Grade A: Priority publishing [ <input type="radio"/> ] Grade B: Minor language polishing [ <input type="radio"/> ] Grade C: A great deal of language polishing [ <input type="radio"/> ] Grade D: Rejection
<b>Conclusion</b>	[ <input checked="" type="radio"/> ] Accept (High priority) [ <input type="radio"/> ] Accept (General priority) [ <input type="radio"/> ] Minor revision [ <input type="radio"/> ] Major revision [ <input type="radio"/> ] Rejection
<b>Re-review</b>	[ <input checked="" type="radio"/> ] Yes [ <input type="radio"/> ] No
<b>Peer-reviewer</b>	Peer-Review: [ <input checked="" type="radio"/> ] Anonymous [ <input type="radio"/> ] Onymous

statements

Conflicts-of-Interest: [ ] Yes [Y] No

## SPECIFIC COMMENTS TO AUTHORS

Excellent review of the literature in an easily written review showing important findings: In the univariate analysis of IOL tilt, the IOL tilt is significantly associated with a shorter axial length (AL)—the IOL tilt decreases by  $0.228^{\circ}$  for every 1 mm increase in AL. Furthermore, a greater IOL decentration is correlated with a longer AL. Zonular instability has been proven to be an essential factor affecting surgical procedure and IOL stability. A capsular tension ring (CTR) could prevent IOL dislocation from zonular weakness, reducing the risk of marked anterior capsule contraction. Aspherical IOLs are more sensitive to decentration or tilt than spherical IOLs. The tilt and decentration of aspheric IOLs markedly increase the wavefront aberration and have remarkable effects on visual quality. The tilt and decentration of the toric IOL increase the HOAs and decrease the visual quality. Toric-EDOF IOL has high rotational stability and concentration, helping patients to achieve better distant, intermediate, and near vision with reduced astigmatism.

## PEER-REVIEW REPORT

**Name of journal:** *World Journal of Clinical Cases*

**Manuscript NO:** 70650

**Title:** Tilt and decentration with various intraocular lenses: a narrative review

**Provenance and peer review:** Unsolicited manuscript; externally peer reviewed

**Peer-review model:** Single blind

**Reviewer's code:** 05195752

**Position:** Peer Reviewer

**Academic degree:** PhD

**Professional title:** Senior Researcher

**Reviewer's Country/Territory:** India

**Author's Country/Territory:** China

**Manuscript submission date:** 2021-08-09

**Reviewer chosen by:** Xin Liu (Online Science Editor)

**Reviewer accepted review:** 2021-12-08 08:38

**Reviewer performed review:** 2021-12-08 08:52

**Review time:** 1 Hour

<b>Scientific quality</b>	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input checked="" type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
<b>Language quality</b>	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
<b>Conclusion</b>	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
<b>Re-review</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>Peer-reviewer</b>	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous



**Baishideng  
Publishing  
Group**

7041 Koll Center Parkway, Suite  
160, Pleasanton, CA 94566, USA  
**Telephone:** +1-925-399-1568  
**E-mail:** bpgoffice@wjgnet.com  
<https://www.wjgnet.com>

statements

Conflicts-of-Interest: [ ] Yes [Y] No

#### **SPECIFIC COMMENTS TO AUTHORS**

May detail out Methodology. To include number of articles/ researches reviewed and what are the inferences of such articles reviewed. May include causes under discussion section.