Reliability of Intraocular Pressure Measurement by Goldmann Applanation Tonometry After Refractive Surgery: A Review [Response To Letter]

Maddalena De Bernardo
Giovanni Cembalo
Nicola Rosa

Department of Medicine, Surgery and
Dentistry, "Scuola Medica Salernitana",
University of Salerno, Baronissi, Salerno,
Italy

Dear editor

We are very happy that Drs Iglesias and Casroli Marano read with interest the review article we published on the reliability of the different correction formulas to overcome the problem of the intraocular pressure measurements after refractive corneal surgery.¹

They complained that we forgot to mention the very interesting paper on the convex tonometer they published in 2020.²

Unfortunately, we could not include it in our review because, as they stated in the letter, their paper was published in April 2020, and our article was submitted in the same period, so we could not be aware of their publication.

However we are very glad to know that they described a device that is able to overcome the problem of measuring the IOP after CRS, because the problems raised by the CRS in several eye measurements, including IOP measurements and IOL power calculation, have been one of our main interests in the last years.^{3–6}

Concerning the paper by McCafferty et al⁷ we agree, it was our mistake. We are sorry for this and we thank Drs Iglesias and Casroli Marano for their specification.

Disclosure

The authors report no conflict of interest in this communication.

References

1. De Bernardo M, Cembalo G, Rosa N. Reliability of intraocular pressure measurement by Goldmann applanation tonometry after refractive surgery: a review of different correction formulas. *Clin Ophthalmol*. 2020;14:2783–2788. doi:10.2147/OPHT.S263856
2. Iglesias M, Yebra F, Kudsieh B, et al. New applanation tonometer for myopic patients after laser refractive surgery. *Sci Rep*. 2020;10(1):7053. doi:10.1038/s41598-020-64013-4
3. De Bernardo M, Rosa N. Intraocular pressure after myopic photorefractive keratectomy. *J Ophthalmic Vis Res*. 2018;13(4):520. doi:10.4103/jovr.jovr_209_17
4. De Bernardo M, Rosa N. Intraocular pressure after LASEK. *Graefes Arch Clin Exp Ophthalmol*. 2018;256(10):2009–2010. doi:10.1007/s00417-018-4047-0
5. Rosa N, De Bernardo M, Borrelli M, Lanza M. New factor to improve reliability of the clinical history method for intraocular lens power calculation after refractive surgery. *J Cataract Refract Surg*. 2010;36(12):2123–2128. doi:10.1016/j.jcrs.2010.07.017

Correspondence: Maddalena De Bernardo
Department of Medicine, Surgery and
Dentistry, "Scuola Medica Salernitana",
University of Salerno, Via Salvador Allende,
Baronissi, 84081, SA, Italy
Tel +39089 965063
Fax +39089672407
Email mdebernardo@unisa.it

6. Rosa N, Cione F, Pepe A, Musto S, De Bernardo M. An advanced lens measurement approach (ALMA) in post refractive surgery IOL power calculation with unknown preoperative parameters. *PLoS One*. 2020;15(8):e0237990. doi:10.1371/journal.pone.0237990
7. McCafferty SJ, Tetrault K, McColgin A, Chue W, Levine J, Muller M. Modified Goldmann prism intraocular pressure measurement accuracy and correlation to corneal biomechanical metrics: multi-centre randomised clinical trial. *Br J Ophthalmol*. 2019;103(12):1840–1844. doi:10.1136/bjophthalmol-2018-313470

Dove Medical Press encourages responsible, free and frank academic debate. The content of the Clinical Ophthalmology 'letters to the editor' section does not necessarily represent the views of Dove Medical Press, its officers, agents, employees, related entities or the Clinical Ophthalmology editors. While all reasonable steps have been taken to confirm the content of each letter, Dove Medical Press accepts no liability in respect of the content of any letter, nor is it responsible for the content and accuracy of any letter to the editor.

Clinical Ophthalmology

Dovepress

Publish your work in this journal

Clinical Ophthalmology is an international, peer-reviewed journal covering all subspecialties within ophthalmology. Key topics include: Optometry; Visual science; Pharmacology and drug therapy in eye diseases; Basic Sciences; Primary and Secondary eye care; Patient Safety and Quality of Care Improvements. This journal is indexed on PubMed

Central and CAS, and is the official journal of The Society of Clinical Ophthalmology (SCO). The manuscript management system is completely online and includes a very quick and fair peer-review system, which is all easy to use. Visit <http://www.dovepress.com/testimonials.php> to read real quotes from published authors.

Submit your manuscript here: <https://www.dovepress.com/clinical-ophthalmology-journal>

<https://doi.org/10.2147/OPTH.S328500>