In reply: early phacoemulsification after acute angle closure in patients with coexisting cataract

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Moreover, the status of the fellow eye has not been mentioned which could have shed light on the probability of the patients having occludable angles or shallow anterior chamber.

Second, no mention of the glaucomatous disc changes has been made, thus rendering the differentiation between the primary angle closure (PAC) and PACG (as per European Glaucoma Society Guidelines) indistinguishable. As per these guidelines, PAC is defined as iridotrabecular contact resulting in peripheral anterior synchiae and/or raised IOP with no evidence of glaucomatous optic neuropathy. 4

Third, in 4 of 35 patients, phacoemulsification has been combined with debulking procedures. The lowering of IOP in these patients could have been due to debulking rather than phacoemulsification. The inclusion of these patients in the analysis could have altered the postoperative results.

The authors have mentioned that because multiple tests were carried out on the data, only P-values < 0.05/25 = 0.002 (Bonferroni) was considered significant. The results in Table 3 show that the IOP decreased from 17.0 ± 8.2 mm Hg preoperatively to 13.2 ± 3.9 mm Hg postoperatively at 3 months after the AAC event, the P-value of which was 0.008. This P-value is more than the Bonferroni P-value of 0.002, thus making the results of postoperative decrease in IOP insignificant.

We appreciate the authors’ work on the recommendation of early phacoemulsification in patients presenting with AAC crisis with coexisting cataract. However, a prospective study with a larger sample size of these patients would give us more valuable information with regard to the efficacy of early phacoemulsification in these patients in terms of IOP, number of topical and systemic glaucoma medications and visual acuity.

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REFERENCES

In Reply: Early Phacoemulsification After Acute Angle Closure in Patients With Coexisting Cataract

In Reply:
First, we would like to thank Dr Jain and colleagues for their keen interest in our study and we feel pleased to respond to their input.

As a retrospective study, we acknowledged that it had some potential limitations. Patients in whom cataract was reported were included in our study. However, because of the retrospective nature of the study, no standard grading of the cataract was used. Three patients were reported to have a mature cataract. All others were mentioned as having cataract grade 1 to 3 with no further special remarks. The fellow eyes had similar morphology and were treated according to the guidelines for primary angle closure (glaucoma) (PACG). As mentioned in our previous response, PACG was defined according to the definition of the consensus reading; PAC is defined as angle closure in 3 or more quadrants with either raised intraocular pressure (IOP) and/or peripheral anterior synchiae, while in PACG there is also evidence of glaucomatous damage to the optic disc with corresponding visual field defects. In addition, the optic disc was evaluated before surgery and was graded by an ophthalmologist to decide on the diagnosis PAC or PACG.

Lowering IOP can indeed be caused by debulking procedures. To further study this, we repeated the analysis without patients who underwent debulking. Although somewhat smaller, we still found a change in IOP (2.9 ± 6.6, P = 0.019, vs. 3.8 ± 7.9, P = 0.008, for all patients).

Finally, we agree with Dr Jain’s suggestion for a prospective study with a larger sample, and we reiterate the need for further research.

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REFERENCES

Prediction of Surgical Outcome After Trabeculectomy for Neovascular Glaucoma With Anterior Segment Optical Coherence Tomography: A Methodological Issues

To the Editor:
We read with great interest the study by Kokubun and colleagues. The aim of the authors was “to determine the...