Comments on: Intraoperative injection versus sponge applied mitomycin C during trabeculectomy: One year study

Dear Editor,
We would like to appreciate the work of authors Maheshwari et al. on “Intraoperative injection versus sponge-applied mitomycin C during trabeculectomy: One-year study”.[1]

We agree with the authors that mitomycin C (MMC) injection provides a predictable drug dose delivery. However, we would like to share our clinical experience that each eye undergoing trabeculectomy surgery behaves differently in terms of conjunctival thickness and friability. These parameters are more accurately assessed after conjunctival peritomy so an Intraoperative injection before peritomy, sometimes can mislead and may lead to injecting higher concentration than required. However, the concentration and duration of MMC can easily be manipulated in the sponge technique after assessing the conjunctiva.

As mentioned in the abstract, the concentration of MMC used in both the groups was similar, making them quite comparable. However, in the methodology, it is mentioned that the concentration of MMC used in group 1 (injection) was 0.02 mg/0.1 ml (0.2 mg/ml), whereas in group 2 (sponge) it was 0.4 mg/ml.

The time duration after which conjunctival peritomy was done post injection of MMC in group 1 is not clearly defined. Also, whether the milking was done post conjunctival injection; as these two steps play a role in determining the tissue contact of MMC. Pakravan et al.[2] did conjunctival peritomy after 1 minute of injection, Guimaraes et al.[3] did the peritomy right after the injection.

The authors have mentioned the number of eyes in the two groups. However, no detailed description was mentioned on the type of glaucoma, pre-existing risk factors in the two
groups. This data will give insight regarding the distribution of glaucoma; risk factors in the two groups, which could invariably affect the results.

There is no detailed description of the number of postoperative visits of a patient, 5 FU injection interventions in each group.

Answers to the above queries will give us a better insight into intraoperative MMC injection technique.

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Conflicts of interest
There are no conflicts of interest.

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