

Letter to the Editor

Intraocular pressure during micturition in benign prostatic hyperplasia

Dear Editor,

We read with interest the article by Ersan et al¹. In their study they reported that the Valsalva maneuver may lead to significant intraocular pressure (IOP) increase in patients with benign prostatic hyperplasia (BPH) during urination. However, we have some comments with regard to this article.

First, age-matched healthy subjects should be used as control group. It seems that there was a small statistically significant difference between BPH patients with mild and moderate/severe international prostate symptom score (IPSS)². One may think that older patients without BPH may have similar results with mild BPH patients. A control group might be strengthened the results of their study. Moreover, we think that classifying the patients according to IPSS² as mild, moderate and severe would be more suitable to present the results of the current study.

The authors reported that the change in IOP during micturition was not significant compared to baseline measurements in patients with low IPSSs, whereas it was significantly higher in patients with higher IPSSs. In the IPSS, the 6th question was about straining during urination². The severe BPH patients tend to respond this question with higher scores. The other questions are about the incomplete urination, frequency, intermittency, urgency, weak stream of urination, and nocturia that are not associated with Valsalva maneuver. We suggest that straining during urination should be the key question and should be given in their study.

The measurement time of IOP during urination was not well understood from the material and method of the study. Since the straining usually occurs during initial phase of urination, the IOP measurement time should be clearly defined. This may affect the results as expected.

Conflict of Interest

The Authors declare that they have no conflict of interests.

References

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