

# Author's Reply

## Reply to "Intraocular pressure during micturition in benign prostatic hyperplasia"

Dear Editor,

We thank to Sahin et al<sup>1</sup> for their interest in our article titled "Evaluation of the intraocular pressure changes during micturition in patients with benign prostatic hyperplasia"<sup>2</sup>.

We intended to include age-matched healthy subjects free of both benign prostatic hyperplasia (BPH) and any of eye diseases to strengthen the results of our study. As the work up to rule out BPH in control group is needed urological examination which is traditionally intolerable in Turkish social norms, we failed to convince the individuals who were expected to serve as controls. Thus, we compared intraocular pressure (IOP) changes in patients with low international prostate symptom score (IPSS) (symptoms score  $\leq 7$ ) and patients with high IPSS (symptom score  $\geq 8$ ). The sample size was limited us to classify the patients with high IPSS into two distinct groups as moderate and severe BPH according to IPSS.

IPSS is clinically sensible, reliable, valid, and responsive. IPSS was composed of seven symptoms questions including feeling of incomplete bladder emptying, frequency, intermittency, urgency, weak stream of urination, and nocturia<sup>3</sup>. We agree with Sahin et al<sup>1</sup>. that weak stream of urination is the major symptom associated with Valsalva maneuver. Further, we believe that not only weak stream of urination but also incomplete bladder emptying and intermittency may also be associated with Valsalva maneuver. Thus, in our study evaluating the association between severity of BPH and IOP, we used IPSS that enabled us to classify patients with BPH according to severity of disease.

We asked the patients to strain and measured the IOP during straining. Tonopen-Avia averages 10 consecutive IOP measurements. However, it is difficult to affirm that we measured IOP during straining. As well as we underlined in discussion section, further studies with electrocardiographic monitoring and urodynamic testing for standardization and quantification of Valsalva maneuver during urination are needed.

We hope we have clarified each of the points related to the authors' comments and thank them again for their contribution.

### Conflict of Interest

The Authors declare that they have no conflict of interests.

### References

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