

Lee D H¹, Kim H W², Choi J B³, Kim J C⁴, Cho Y H⁵, Lee K W⁶

1. Department of Urology, Incheon St. Mary's Hospital, The Catholic University of Korea, 2. Department of Urology, St. Paul's Hospital, The Catholic University of Korea, 3. Department of Urology, Ajou University Hospital, 4. Department of Urology, Bucheon St. Mary's Hospital, The Catholic University of Korea, 5. Department of Urology, St. Mary's Hospital, The Catholic University of Korea, 6. Department of Urology, Soon Chun Hyang University Hospital, Bucheon, Korea

CHANGES OF VOIDING SYMPTOMS IMMEDIATELY AFTER HOLMIUM LASER ENUCLEATION OF THE PROSTATE(HOLEP) IN BPH PATIENTS

Hypothesis / aims of study

HoLEP in BPH is widely used and the effects are known to be equivalent or better than traditional TUR-P with low incidence of complications. However, the major concerns immediately after HoLEP are dysuria and urinary incontinence, although the incidence is very low. We evaluated the early voiding symptoms in patients who underwent HoLEP.

Study design, materials and methods

A retrospective study with regard to initial voiding symptoms in 75 patients who underwent HoLEP was performed. Urinalysis, subjective voiding symptoms focused mainly on dysuria and urinary incontinence at 1 week, 1 month and 3 months after surgery were taken.

Results

Mean age of patients was 71.2 years old(range:57-81) and preoperative prostate volume was 49.6 cc(range:21-132). Mean operation time was 2.3 hours(range:0.5-4), resected prostate volume was 25.5 g(range:2-72) and energy for the surgery was 184 J(range:34-438). No. of patients who had pyuria was decreased from 38 at 1 week to 32 at 1 month and 8 at 3 months, however no one developed symptomatic UTI. No. of patients who complained of dysuria was decreased from 27 at 1 week to 8 at 1 month and 2 at 3 months after surgery. There was no statistical relation between pyuria and dysuria. No. of patients with urinary incontinence(stress or urge) was decreased from 32 at 1 week to 26 at 1 month and 14 at 3 months. Interestingly, in 18 patients without incontinence at 1 week, 6 had incontinence at 1 month and 2 at 3 months. Fortunately, the amount of incontinence was negligible.

Interpretation of results

Most voiding symptoms immediately after HoLEP were improved or disappeared as time went on, however, continence at 1 week did not always reflect future continence.

Concluding message

Our data demonstrated that surgeon should wait and see until unwanted voiding symptoms immediately after HoLEP were disappeared. And these findings should be informed to the patients before surgery in order to minimize patients' anxiety.

Disclosures

Funding: none **Clinical Trial:** Yes **Public Registry:** No **RCT:** No **Subjects:** HUMAN **Ethics not Req'd:** retrospective study **Helsinki:** Yes **Informed Consent:** No