

OPERATIVE IMPACTS ON LUTS OF PATIENTS WITH BPH AND PROSTATITIS ;COMPARISON OF POST TRANSURETHRAL RESECTION STATE

Hypothesis / aims of study

Combination of benign prostatic hyperplasia (BPH) with prostatitis aggravates clinical symptoms of BPH and complicates its treatment. Persistent lower urinary tract symptoms (LUTS) are highly resistant to conventional medical management. Recent studies have shown that BPH with prostatitis was attributed to poor improvement of LUTS after transurethral resection of prostate (TUR-P).

Study design, materials and methods

Between 2005 and 2010, 116 patients who had treated by TUR-P were investigated. International prostate symptom score (IPSS) was checked before and after TUR-P within 1yr. Patients with prostate cancer were excluded. Group A was defined patients with BPH without prostatitis, and group B was patients with prostatitis. The presence of prostatitis was determined by pathologic confirmation.

Results

Pathologically Group A had 58 patients, and group B had 58 patients. Preoperative IPSS was higher in group B (group A: 20.14±5.61 vs group B: 22.95±5.65, $P=0.001$), Especially preoperative irritative symptom score was notably high. (group A: 6.63±3.57 vs group B: 9.29±4.06, $P=0.015$) There were no statistical differences in average postoperative IPSS. (group A vs group B: 14.63±6.57 vs 14.12±4.91, $P=0.634$) However, the differences of preoperative and postoperative IPSS were 5.51 in group A, 8.83 in group B. ($P<0.001$).

Interpretation of results

When the prostate hyperplasia was combined to inflammation, LUTS was more aggravated than the patient with BPH without prostatitis.

Concluding message

The efficacy of TUR-P in patients with prostatitis was better than patients without prostatitis.

References

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2. Robert G, Descazeaud A, Nicolaiew N, Terry S, Sirab N, Vacherot F, Maillé P, Allory Y, de la Taille A. Inflammation in benign prostatic hyperplasia: a 282 patients' immunohistochemical analysis. *Prostate*. 2009;69(16):1774-80.
3. Nickel JC. Inflammation and benign prostatic hyperplasia. *Urol Clin North Am*. 2008;35(1):109-15.

Specify source of funding or grant	None
Is this a clinical trial?	No
What were the subjects in the study?	HUMAN
Was this study approved by an ethics committee?	No
This study did not require ethics committee approval because	this is a retrospective observational study. We didn't any treatment or any harm for the study. So, this study did not approved by an ethics committee. However we will submit this study to the ethics committee for approval.
Was the Declaration of Helsinki followed?	Yes
Was informed consent obtained from the patients?	No