

# Accepted Manuscript

Title: Long-Term Clinical Efficacy and Safety Profile of Transurethral Resection of Prostate vs Plasmakinetic Resection of the Prostate for Benign Prostatic Hyperplasia

Author: Zhe Liu, Yuan wei Li, Wan rui Wu, Qiang Lu

PII: S0090-4295(17)30122-X

DOI: <http://dx.doi.org/doi: 10.1016/j.urology.2017.02.006>

Reference: URL 20278

To appear in: *Urology*

Received date: 17-12-2016

Accepted date: 1-2-2017

Please cite this article as: Zhe Liu, Yuan wei Li, Wan rui Wu, Qiang Lu, Long-Term Clinical Efficacy and Safety Profile of Transurethral Resection of Prostate vs Plasmakinetic Resection of the Prostate for Benign Prostatic Hyperplasia, *Urology* (2017), <http://dx.doi.org/doi: 10.1016/j.urology.2017.02.006>.

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



## Long-term Clinical Efficacy and Safety Profile of Transurethral Resection of Prostate vs Plasmakinetic Resection of the Prostate for Benign Prostatic Hyperplasia

Zhe Liu, Yuan wei Li, Wan rui Wu, Qiang Lu

(Department of Urology, Hunan Provincial People's Hospital, Chang Sha 410005, China)

Corresponding Author: Zhe Liu, Hunan Provincial People's Hospital, Email: liuzzhouz@163.com,

Postal address: No.61, Jie Fang Xi Road, Chang Sha City, Hu Nan Province, 410005, China.

Funding: No external funding was either sought or obtained for this study.

Conflicts of interest: None of the authors have any conflict of interests to declare.

### Abstract

**Objective:** To investigate differences on clinical efficacy, complications and safety profile between transurethral resection of prostate (TURP) and bipolar plasmakinetic resection of the prostate (PKRP) for benign prostatic hyperplasia (BPH).

**Methods:** 690 patients of BPH were recruited from May 2008 to May 2011 and divided into TURP group and PKRP group, IPSS, QoL, PVR,  $Q_{max}$ , complications, IIEF-5 and retrograde ejaculation were used for evaluation of clinical effective, safety and sexual function between two groups.

**Results:** The intraoperative irrigation volume, postoperative irrigation volume, postoperative irrigation time, decrease in sodium, intraoperative blood loss, duration of catheterization of PKRP group were significantly lower than those of TURP group ( $P<0.05$ ). For comparison of complications, the incidence rate of massive haemorrhage, blood transfusion, capsular perforation, prolonged Hematuria, micturition frequency, micturition urgency, micturition pain of PKRP group were significantly less than those of TURP group ( $P<0.05$ ). During the five years follow-up, PKRP group showed better effect on IPSS, QoL, PVR and  $Q_{max}$  compared with TURP group ( $P<0.05$ ), but there were no significant differences on IIEF-5 and retrograde ejaculation ( $P>0.05$ ).

Download English Version:

<https://daneshyari.com/en/article/5690435>

Download Persian Version:

<https://daneshyari.com/article/5690435>

[Daneshyari.com](https://daneshyari.com)