

Laser + bipolar resection helpful for large prostates

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(HealthDay)—Bipolar transurethral resection of the prostate (TURP) in combination with high-intensity diode laser (DL + b-TURP) is feasible for treatment of benign prostatic hyperplasia (BPH) in large prostates, according to research published in the November issue of *Lasers in Surgery and Medicine*.

Chien-Hsu Chen, M.D., from the Chang Gung University College of Medicine in Kaohsiung, Taiwan, and colleagues retrospectively analyzed patients with [lower urinary tract symptoms](#) (LUTS) secondary to BPH with prostates larger than 80 mL, undergoing monopolar TURP (36 patients) or DL + b-TURP (37 patients), to compare efficacy and safety. Functional parameters were assessed preoperatively and at follow-up.

The researchers found that preoperative prostate volume was 110.8 ± 28.9 mL in the DL + b-TURP group and 103.7 ± 31.2 mL in the TURP group. Catheterization time and hospital stay were significantly in favor of the DL + b-TURP group, while the TURP group had significantly shorter operative time. The TURP group also had a significantly greater decrease in hemoglobin. Both groups were comparable with respect to late complications. Significant improvements in functional outcomes were seen for both groups during the 24-month follow-up.

"Comparing the difference between DL + b-TURP and monopolar TURP for the treatment of large prostates, this [retrospective study](#) indicated that the former could offer excellent intraoperative hemostasis, shorter catheterization time, and shorter hospital stay," the authors write.

"In consideration of safety and efficacy, this combination may be a feasible strategy in the management of large prostates."

More information: [Abstract](#)
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