

عنوان مقاله:

Is Holmium Laser Enucleation of Prostate a Good Surgical Alternative in Benign Prostatic Hyperplasia Management? A Review Article

محل انتشار:

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خلاصه مقاله:

Abstract Several therapeutic approaches such as holmium laser enucleation of the prostate (HoLEP) have been introduced to relieve bladder outlet obstruction caused by benign prostatic hyperplasia (BPH). Compared with other techniques including the transurethral resection of the prostate (TURP) and simple open prostatectomy, HoLEP results in a shorter hospital stay and catheterization time and fewer blood loss and transfusions. HoLEP is a size-independent treatment option for BPH with average gland size from ۳۶ g to ۱۷۰ g. HoLEP is a safe procedure in patients receiving an anticoagulant and has no significant influence on the hemoglobin level. Also, HoLEP is an easy and safe technique in patients with a prior history of prostate surgery and a need for retreatment because of adenoma regrowth. The postoperative erectile dysfunction rate of patients treated with HoLEP is similar to TURP or open prostatectomy and about ۷۷% of these patients experience loss of ejaculation. Patients with transitional zone volume less than ۳۰ mL may suffer from persistent stress urinary incontinence following HoLEP so other surgical techniques like bipolar TURP are a good choice for these patients. In young patients, considering HoLEP with high prostate-specific antigen density and a negative standard template prostate biopsy, multiparametric MRI needs to be considered to exclude prostate cancer. Keywords: Laser Minimal invasive HoLEP Prostate surgery Prostate hyperplasia Transurethral resection of prostate

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