

# **Drain-free simple retropubic prostatectomy with fibrin sealant.**

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## **Abstract:**

**Purpose:** We present our preliminary experience with liquid fibrin sealant during simple retropubic prostatectomy. **Materials and Methods:** We reviewed 18 consecutive simple retropubic prostatectomies performed for symptomatic advanced benign prostatic hyperplasia at our institution between 1997 and 2001. Adenoma enucleation was performed via transverse anterior prostatic capsulotomy. In the first 13 cases (group 1) a Jackson-Pratt suction drain was placed in the pelvis after prostatic capsular closure. In the remaining 5 cases (group 2) 2 ml. liquid fibrin sealant were administered over the closed prostatic capsule instead of a pelvic drain. **Results:** The 2 groups were matched for age and prostate size. Average time to drain removal in control group was 3.92 days, while the fibrin sealant group had no clinically apparent adverse sequelae despite the lack of pelvic drainage. Average hospitalization in group 1 was 4.38 days, while all group 2 patients were discharged home after 2 days ( $p = 0.001$ ). In addition, a trend toward earlier resumption of a full diet was noted in the sealant group (2.61 versus 1 day,  $p = 0.075$ ). **Conclusions:** Liquid fibrin sealant appears to expedite recovery and shorten hospitalization when used as an adjunct during simple prostatectomy.