

## **Factors predictive of voiding problems following insertion of tension-free vaginal tape**

A. Shukla, S.K. Paul, A. Nishtar and J. Bibby

International Journal of Gynaecology & Obstetrics (2007): **96**;(2);122-6

### **Objective**

To identify predictive factors of urinary retention following a tension-free vaginal tape (TVT) procedure, so that patients may be better advised of their risk of undergoing catheterization and tape release.

### **Method**

A retrospective review of women who underwent a TVT procedure over five years. Patient age, pressure flow rate, concomitant vaginal surgery, and the form of anesthesia used for the surgery were analyzed. The Mann–Whitney *U* Test and logistic regression were used to explore the effect of these factors.

### **Results**

Because of the small sample size, none of these factors were shown to be significantly predictive of postoperative voiding difficulty. However, there could be a correlation between postoperative voiding difficulty and concomitant posterior vaginal repair as well as lower preoperative flow rate.

### **Conclusion**

No significant predictive factors were found, but there was a trend toward long-term voiding difficulty for women who underwent posterior vaginal repair and women with low preoperative flow rates.