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TENSION-FREE VAGINAL TAPE-SECUR(TVT-S) FOR THE TREATMENT OF FEMALE STRESS URINARY INCONTINENCE

Hypothesis / aims of study

To evaluate the effectiveness and indications of a new minimally invasive surgical procedure, the tension-free vaginal tape-SECUR(TVT_S),in the treatment of female stress urinary incontinence(SUI)

Study design, materials and methods

Ten consecutive women with stress urinary incontinence underwent the procedure under local anesthesia .According to the pelvic organ prolapse quantitative(POP_Q)(American College of Obstetrics and Gynecology),the Aa>-2_-1cm. Swab tests have shown that the angle of urethral was greater than 60 degrees,while the evaluation of clinical symptoms were grade II. The urodynamic test preoperatively of ten cases display that bladder compliance was normal,mean maximum urethral closure was 40cm H₂O(25-60 cm H₂O),and VLPP was greater than 60 cm H₂O.

Results

All patients underwent the TVT-S with "Hammock" position.There were no urethral and bladder injuries during the procedure

Interpretation of results

Postoperative indwelling duration was 0-1 day.After follow-up ,nine patients were cured without pad usage and 1 with mixed UI had prominent improvement in urgency incontinence symptoms.The quality of life was also improved significantly.90%patients were satisfied with the postoperative improvement in urinary incontinence symptoms,and the more severe preoperative symptoms the higher satisfaction rate postoperatively.

Concluding message

TVT_S is a safe,effective and minimally invasive procedure for SUI with less complication.The patients with normal bladder compliance and MUCP,urethral hypermobility are indicated for this surgery.

Disclosures

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