

TVT-EXACT IN THE MANAGEMENT OF FEMALE STRESS URINARY INCONTINENCE – A RETROSPECTIVE REVIEW OVER 1 YEAR IN A TERTIARY CARE HOSPITAL

Hypothesis / aims of study

Tension-free vaginal tape is currently the gold standard treatment for female stress urinary incontinence. GYNECARE TVT-EXACT™, a new tension-free vaginal tape (TVT) device designed with the aim of reducing bladder injury, was first introduced in 2010. We evaluated the outcomes and complication rates of patients who underwent isolated TVT-EXACT procedures in our institution.

Study design, materials and methods

The study was a retrospective case review of all cases of isolated tension-free transvaginal tape procedures with cystoscopy using GYNECARE TVT-EXACT™ in 2012. Baseline, 1 month, 6 month and 1 year post surgery outcomes and complication rates (intra-operative complications such as bladder perforation, early and late post-operative complications) were extracted from case notes and from phone follow up consultations.

Results

A total of 31 patients underwent isolated TVT-EXACT procedure in 2012. Mean duration of follow-up was 14.8 ± 6.8 (1.1–28.1) months. Mean age of the subjects was 54.2 ± 8.8 years. Two patients (6.5%) suffered from intra-operative bladder perforation, both of which did not require prolonged catheterisation. One patient (3.2%) suffered from tape erosion post-operatively. Subjective and objective success rates were both 100% at 1-year follow-up. Subjective and objective cure rates were 85.7% and 100% respectively at 1-year follow-up.

Interpretation of results

Complication rates with GYNECARE TVT-EXACT™ appear unchanged compared with those in the published literature using GYNECARE TVT™ (1,2). The success and cure rates of the TVT-EXACT procedure are excellent at 12 months of follow-up.

Concluding message

GYNECARE TVT-EXACT™ retropubic mid-urethral slings achieve excellent cure rates with low complication rates over a 1-year follow-up period. Longer-term follow-up studies are needed to further evaluate the long-term outcomes for the GYNECARE TVT-EXACT™ sling.

References

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Disclosures

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