

TVT-ABBREVO: A RETROSPECTIVE STUDY OF EFFICACY AND OUTCOMES AT 2-YEARS FOLLOW UP AT A TERTIARY CENTRE

Hypothesis / aims of study

Midurethral sling system is the gold standard surgical treatment for female stress incontinence. TVT-abbrevo is a 12cm transobturator midurethral sling with the postulated advantage of reduced post-operative groin and thigh pain, while maintaining similar efficacy to its predecessors (TVT-O). We aim to assess the efficacy of TVT-abbrevo, and the outcomes at 2 years follow-up at our centre.

Study design, materials and methods

We conducted a retrospective study on all patients who underwent TVT-abbrevo from 1 September 2011 – 30 September 2013. Patients were reviewed for satisfaction, recurrence of symptoms, and post-operative side effects at 1 month, 6 month, 12 months and 24 months.

Results

94 patients underwent TVT-abbrevo during the 25 months. 89.4% had previous vaginal or instrumental deliveries. The average BMI was 26.8kg/m². 52.1% had concomitant urinary urge incontinence. 68.1% had demonstrable stress incontinence, with an average of 8gm of urine leaked on erect stress test. The mean operating duration was 14.1 minutes. There were 2 cases of bladder perforation and 4 cases of vaginal perforation. The mean hospitalization stay was 1.2 days, and mean catheterization duration was 0.8 days. One patient had prolonged catheterization (> 7 days) post-operatively. One patient had wound pain at 6 months. Post TVT-abbrevo at 6 months, 12.1% had demonstrable leak of with an average of 2.6gm of urine. Success rates were 97.4% at 6 months, 96.0% at 12 months, and 97.7% at 24 months. No patient had wound pain or demonstrable stress incontinence at 24 months, with 100% patient satisfaction rate.

Interpretation of results

The outcome of TVT-abbrevo at 6 months, 12 months and 24 months are comparable, if not better than that of its predecessors (TVT-O). This has led to very good patient satisfaction rates. The learning curve for use of this device is also not steep, as seen from the short mean operating time as well as the minimal intra-operative and post-operative complications.

Concluding message

TVT-abbrevo is an excellent alternative for female stress incontinence.

Disclosures

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Helsinki: Yes **Informed Consent:** No