

TINE FREE, SHEATH FREE, INELASTIC RETROPUBIC SLING (SUPRIS) FOR STRESS URINARY INCONTINENCE

Hypothesis / aims of study

To review our experience with a tine free, sheath free inelastic sling for stress urinary incontinence.

Study design, materials and methods

Retrospective review of patients who had undergone only a sling procedure (Supris) from January 2007 to June 2011. Outcomes and complications were noted.

Results

Two hundred four patients met criteria for study entry. Urodynamically proven stress incontinence was identified in 182 women, with 87 having a component of low pressure urethra. Mixed incontinence was identified in 22 patients. Physical examinations were noted for urethral mobility (q-tip test) ranging from 10 to 90 degrees. POPQ Aa values averaged -1.2 (range -3 to 0). Patients all underwent surgery on an outpatient basis using sedation and local anesthesia. Intraoperative complications included 16 (7%) bladder trocar perforations. Post operatively, two patients had transient urinary retention, 29 patients experienced a bladder infection. Urinary incontinence persisted in 21 patients (10% failure rate), and 33 patients experience urge incontinence. Patient satisfaction was noted to be 88% (satisfied or better), with 80% being very to extremely satisfied. No mesh became infected/eroded or required explanting.

Interpretation of results

The Supris sling appears both safe and effective with a low complication rate.

Concluding message

Neither tines nor sheaths appear to affect the efficacy of a retropubic sling.

<i>Specify source of funding or grant</i>	Coloplast
<i>Is this a clinical trial?</i>	No
<i>What were the subjects in the study?</i>	HUMAN
<i>Was this study approved by an ethics committee?</i>	Yes
<i>Specify Name of Ethics Committee</i>	Greenville Hospital System Investigational Review Committee A
<i>Was the Declaration of Helsinki followed?</i>	Yes
<i>Was informed consent obtained from the patients?</i>	No