

## 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.

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