

## MIDTERM DATA ON TENSION-FREE VAGINAL TAPE OBTURATOR PROCEDURE FOR THE TREATMENT OF STRESS URINARY INCONTINENCE

### Hypothesis / aims of study

To evaluate the midterm therapeutic results and complication of tension-free vaginal tape (TVT) obturator.

### Study design, materials and methods

From January 2003 to December 2006, 123 consecutive patients with stress incontinence underwent TVT obturator procedure by the same surgeon. We analyzed parameters including history taking, physical examination and urodynamic study. Postoperative clinical outcome, patient's satisfaction, complication and success rate for Stamey grade were evaluated after 24 months and 36 months.

### Results

The success rate were 98.4% (cured 95.9%, improved 4.1%) and 97.6% (cured 96.7%, improved 3.3%) at 24months and 36months. There was no significant difference of success rate between pure stress urinary incontinence and mixed urinary incontinence ( $p>0.05$ ). There were no serious or long-term complications related to the procedure.

### Interpretation of results

We considered that TVT obturator procedure was a safe and effective procedure for female stress urinary incontinence for 3 years.

### Concluding message

Use of the TVT obturator, a midurethral sling, did not involve bladder penetration and was complicated by a low rate of postoperative outlet obstruction. Long-term comparative data collection is required to enable drawing solid conclusions regarding the appropriate position of this operative technique within the spectrum of antiincontinence operations.

<b><i>Specify source of funding or grant</i></b>	<b>none</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>No</b>
<b><i>This study did not require ethics committee approval because</i></b>	<b>purpose of study is to evaluate the therapeutic results, patient's satisfaction and complications</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>Yes</b>