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MINIMALLY INVASIVE SLINGS FOR URINARY STRESS INCONTINENCE– WHERE WE ARE

Hypothesis / aims of study

A minimally invasive suburethral sling procedures in the treatment of the female stress urinary incontinence are described, an assessment of its efficacy and complications.

Study design, materials and methods

346 patients (101 TVT and 245 TVT-O) with clinical and urodynamics diagnosis of stress urinary incontinence were selected. All TVT patients received local anesthesia and all TVT-O patients received local or spinal anesthesia. Characteristic of the population are analyzed as well as efficacy and complications during and after the operation.

Results:

Period: March 2004 –February 2010
Age: Main 53 (41 – 59)
Indications: - SUI; SUI recurrent
Contraindications:
- Another type of urinary incontinence;
- Coagulopathy or therapy with anticoagulants
- Active urinary infection;
- Patient denied this type of surgery

TVT

No of cases: 101
Operative Time: 21 min (max. 38min., min.16min.)
Hospitalization: 32 h. (24-44h)
Complications: - Bladder perforation: 2 (1,9%); - Transitory urine retention: 4 (3,9%); - UTI: 8 (7,9%)
Continence status: - Cured: 91 (90,1%); Improved: 5 (4,9%); Failed: 5 (4,9%)

TVT-O

No of cases: 245
Operative time: 15 min (12-26in)
Hospitalization: 24 h.
Complications: - Groin pain: 11
Continence status: - Cured: 225(91,8%); Improved:11 (4,5%); Failed: 9 (3,7%).

Interpretation of results

Five of TVT and nine patients of TVT-O group presented with recidivist incontinence. The mean surgical length was 21 minutes for TVT and 15 min for TVT-O and hospitalization lasted for 32 hours (TVT) and one day for TVT-O . The analyzed series revealed about 90% of cured/improved- continence status.

Concluding message

Both minimally invasive procedures are showing similarly good results in curing urinary stress incontinence. TOT-O shown less intra and post-operative complications.

Specify source of funding or grant	**No**
Is this a clinical trial?	**No**
What were the subjects in the study?	**HUMAN**
Was this study approved by an ethics committee?	**No**
This study did not require ethics committee approval because	**Is part of therapeutic hospital work.**
Was the Declaration of Helsinki followed?	**Yes**
Was informed consent obtained from the patients?	**No**