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## EXPERIENCE OF REMEEEX SYSTEM FOR THE TREATMENT OF FEMALE URINARY INCONTINENCE, INTRINSIC SPHINCTERIC DEFICIENCY AND NEUROGENIC BLADDER

### Hypothesis / aims of study

To evaluate the safety and efficacy of the REMEEEX system for the treatment of female urinary incontinence, intrinsic sphincteric deficiency and neurogenic bladder.

### Study design, materials and methods

Between August 2006 and March 2008, a total of 32 patients were underwent sling operation with the use of new sling technique REMEEEX system (mean age : 62.9 (45-81) years). In the preoperative patients' characteristics, 11 patients of them had previous incontinence surgical interventions. The rest of the peoples had spine surgery, total hysterectomy, diabetes mellitus, stroke, spine disc, intracerebral hemorrhage, brain tumor, herniated lumbar disc and so on. A symptom questionnaire, physical examination, international prostate symptom score (IPSS), 1 hour pad test and urodynamic study were performed preoperatively. Operative results were evaluated using objective leakage, subjective satisfaction, complications and uroflowmetry with post void residual.

### Results

Mean 1 hour pad test was 34.5 (10-280) g, mean IPSS was 17.0 (7-31). Mean times of frequency was 11.0 (7-17), mean times of nocturia was 2.2 (0-5). All patients were estimated by urodynamic study, mean maximal cystometric capacity was 266.6 (97-562) ml, mean detrusor pressure was 19.4 (3-67) cmH<sub>2</sub>O, detrusor overactivity was found 12 cases of 32 cases (37.5%) and mean valsalva leak point pressure was 42.7 (27-57) cmH<sub>2</sub>O. The operating time was mean 100.4 (60-200) minutes and after 1.5 (1-6) days Foley catheter was removed, after 8.3 (4-18) days they were discharged. Post operative results were estimated mean 6.2 (1-15) months, all were complete dryness especially 12 cases were not necessary any other drugs

### Interpretation of results

The very satisfaction was 18 cases (56.3%), satisfaction was 8 cases (25.0%), dissatisfaction was 5 cases (15.6%) and very dissatisfaction was 1 case(3.1%).

### Concluding message

The REMEEEX system may be an effective procedure without reference to previous incontinence surgical interventions. It offers the possibility to modify the sling support level whenever needed during patient's life. For the evaluation of effectiveness and complications, much more cases with longer follow up were required.

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