THE CHANGES OF OVERACTIVE BLADDER SYMPTOMS AFTER MID-URETHRAL SLING SURGERY IN PATIENTS WITH STRESS URINARY INCONTINENCE PLUS OVERACTIVE BLADDER SYMPTOMS: LONG-TERM RESULTS

The changes of overactive bladder symptoms after mid-urethral sling surgery in patients with stress urinary incontinence plus overactive bladder symptoms: long-term results

**Purpose:** Overactive bladder (OAB) symptoms accompanied stress urinary incontinence (SUI) make effect to patient's dissatisfaction after mid-urethral sling surgery for SUI. Authors wished to search about long-term change of overactive bladder symptoms after mid-urethral sling surgery.

**Materials and methods:** Total 43 patients with SUI plus OAB who performed mid-urethral sling surgery for SUI were analyzed. They were observed at least 2 years. We used medical records and survey with mail and telephone to search a change of OAB symptoms. The mean age of patients was 47.9 years, symptom duration was 4.1 years and mean follow-up periods were 3.2 years.

**Result:** There was 67.4% to improve OAB symptoms after sling surgery, and pre- and post-operative urge incontinence scale (3-point rating scale) was 2.1 and 0.7. Nocturia was 2.5 and 1.1/night, daytime frequency was 10.7 and 8.4. In 9 (31.0%) of 29 improved patients, there were aggravation of OAB symptoms as time passes. In particular, 2 patients (6.9%) complaint more worsen before surgery. At 12 months, 6 patients (66.7%) complain of aggravation of OAB symptoms and at 18 months, 3 patients (33.3%) complain of it. After 18 months, there were no complaint in this patients.

**Conclusions:** In many cases, OAB symptoms were improved after mid-urethral sling surgery in patients with stress urinary incontinence plus OAB symptoms. But there were some patients with worsen of OAB symptoms as time passes. Therefore a closed observation to the change of OAB symptoms after mid-urethral sling surgery were needed in patients with stress urinary incontinence plus overactive bladder symptoms.

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**Specify source of funding or grant**
No funding

**Is this a clinical trial?**
Yes

**Is this study registered in a public clinical trials registry?**
No

**Is this a Randomised Controlled Trial (RCT)?**
No

**What were the subjects in the study?**
HUMAN

**Was this study approved by an ethics committee?**
Yes

**Specify Name of Ethics Committee**
Dong-A university hospital ethics committee

**Was the Declaration of Helsinki followed?**
Yes

**Was informed consent obtained from the patients?**
Yes