

VAGINAL MESH EROSION AFTER SUBURETHRAL SLINGS FOR STRESS URINARY INCONTINENCE

Hypothesis / aims of study

Vaginal erosion is one of bothersome complications after suburethral sling operation for the female stress urinary incontinence (SUI). The purpose of this study was to evaluate the clinical features before and after surgical removal of the mesh.

Study design, materials and methods

From April 2005 to April 2010, 27 patients underwent removal of mesh causing vaginal erosion at our department were prospectively followed and analyzed their operation procedures and symptoms. Also, we evaluated Self-assessment/Sandvik questionnaire of SUI after their surgical removal of tape.

Results

Mean age of patients was 53.3±7.3 years. Vaginal erosion was founded at 29.4±22.3 months after the operation, patients presented with vaginal bleeding and discharge accompanied with some of the foul odor, dyspareunia of partner, itching sense of genitalia, and intravaginal foreign body sensation. 25 patients (86.2%) had partial removal and 4 (13.8%) had complete removal of 29 patients, 2 of them (6.9%) who recurred vaginal erosion after primary removal had reoperation. 3 (13.6%) of 22 patients except 7 (24.1%) who had SUI at detected vaginal erosion were recurred SUI after tape removal. (Table1).

Interpretation of results

There were no differences between modalities of SUI operation procedures and recurrences of stress incontinence (p=0.226).

Concluding message

Vaginal erosion after diverse suburethral sling operation was detected in various periods. This could be corrected easily by surgical tape removal and low recurrence rates were reported. Longer term evaluation with more objects is recommended.

Table 1. Clinical characteristics of the patients groups of surgical transvaginal mesh removal

	Ant. IVS	TOT	TVT	Total	p-value
Number of patients (%)	16 (55.2)	9 (31.0)	4 (13.8)	29 (100)	NS
Age (years)	53.1±7.3	52.8±8.3	55.5±6.5	53.3±7.3	0.819
Period of Diagnosis of mesh erosion (month)	23.5±12.6	26.0±19.7	36.5±41.3	29.4±22.3	0.523
Recurrent SUI at the diagnosis of vaginal erosion (%)	2 (28.6)	3 (42.8)	2 (28.6)	7 (100)	0.224
Recurrent SUI after the surgical removal of the mesh.	3	0	0	3	0.226

<i>Specify source of funding or grant</i>	no any funding or grant
<i>Is this a clinical trial?</i>	Yes
<i>Is this study registered in a public clinical trials registry?</i>	No
<i>Is this a Randomised Controlled Trial (RCT)?</i>	Yes
<i>What were the subjects in the study?</i>	HUMAN
<i>Was this study approved by an ethics committee?</i>	Yes
<i>Specify Name of Ethics Committee</i>	Cheil general hospital ethics committee
<i>Was the Declaration of Helsinki followed?</i>	Yes
<i>Was informed consent obtained from the patients?</i>	Yes