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THE MID-TERM RESULTS OF TENSION-FREE VAGINAL MESH SURGERY WHICH PERFORMED FOR PELVIC ORGAN PROLAPSE AFTER HYSTERECTOMY

Hypothesis / aims of study

For traditionally, there are many reports that the therapy for pelvic organ prolapse which had done hysterectomy result in failure with high relapse rate. We examined that the TVM (Tension-free Vaginal Mesh) surgery using polypropylene mesh can cure the pelvic organ prolapse without uterus. We will report the data include the relapse and complication rate.

Study design, materials and methods

In our hospital, 266 patients with POP had operated the TVM surgery during the term from January 2007 until February 2009. There are sixty-three patients after the hysterectomy or operated TVM surgery simultaneously with hysterectomy in these cases. The TVM surgery we used was based on the technique by the TVM group in France. We followed up them during 12 months ~ 36 months.

Results

There was only one case (1.6%) diagnosed by relapse, however, she had no symptom. So we follow up the patient without reoperation. And there are 4 cases (6.3%) with mesh exposure at the suture sight, no case with bladder or rectum injury, infection, hematoma, or pain of mesh shrinkage.

Interpretation of results

Compared to traditional methods, TVM surgery for the women without the uterus had smaller recurrence rate. So TVM surgery for pelvic organ prolapse after hysterectomy is the effective technique.

Concluding message

In Japan, there are no mesh kit for using pelvic organ prolapse. So, we cut the mesh with scissors fitting to our original pattern. compared to the mesh kit, Japanese original technique need low cost. We have good result with the Japanese original TVM surgery. So TVM technique will be a common operation in Japan. There are no long-term data with TVM, because In Japan, only 5 years has passed from the TVM had started. We must continue the follow-up study for TVM surgery.

<i>Specify source of funding or grant</i>	None
<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>	ethics committee of Showa university
<i>Was the Declaration of Helsinki followed?</i>	Yes
<i>Was informed consent obtained from the patients?</i>	Yes