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FIVE-YEAR OUTCOMES OF THE IRIS PROCEDURE FOR TREATMENT OF FEMALE STRESS URINARY INCONTINENCE: COMPARISON WITH TVT PROCEDURE

Hypothesis / aims of study
We evaluated the long-term efficacy and safety of the IRIS (innovative replacement of incontinence surgery, B. Braun Korea & Dow Medics Co., Ltd, Seoul) procedure and compared it with TVT (tension free vaginal tape) for the treatment of female stress urinary incontinence.

Study design, materials and methods
We included all 111 consecutive women who underwent IRIS (n=51) or TVT (n=60) between January 2002 and December 2003 and followed them up for at least 5 years postoperatively. We analyzed the 5-year success rate and postoperative complications in the IRIS procedure and compared to the results of TVT procedure.

Results
The 5-year success rate was 92.2% for the IRIS and 93.3% for the TVT, and the satisfaction rates were 90.2% and 85.0%, respectively. Intraoperative complications for the IRIS group included 4 cases of bladder perforation, and there were 5 cases of bladder perforation for the TVT group. The postoperative complications for the IRIS group included 6 patients with *de novo* urgency, 2 patients with mesh exposure and one patient showed temporary urinary retension. Nine patients with the TVT developed de novo urgency, 2 patients with mesh exposure and 2 patients showed temporary urinary retension.

Interpretation of results
On the basis of our results, the IRIS may be an effective and safe procedure as compared to the TVT for more than 5 years.

Concluding message

References

1. Yoon CJ, Jung HC. Two-year follow up of IRIS procedure for surgical treatment of female stress urinary incontinence. J Korean Continence Soc 2006;10:44-8
2. Doo CK, Hong B, Chung BJ, Kim JY, Jung HC, Lee KS, et al. Five-year outcomes of the tension-free vaginal tape procedure for treatment of female stress urinary incontinence. Eur Urol. 2006 Aug;50:333-8

Specify source of funding or grant	**None**
Is this a clinical trial?	**Yes**
Is this study registered in a public clinical trials registry?	**Yes**
Specify Name of Public Registry, Registration Number	**Yeungnam University**
What were the subjects in the study?	**HUMAN**
Was this study approved by an ethics committee?	**Yes**
Specify Name of Ethics Committee	**Yeungnam University IRB center**
Was the Declaration of Helsinki followed?	**Yes**
Was informed consent obtained from the patients?	**Yes**