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THE SPARC PROCEDURE FOR THE TREATMENT OF FEMALE STRESS URINARY INCONTINENCE IN THE ELDERLY.

Hypothesis / aims of study

There has been considerable controversy regarding the treatment of urinary incontinence (UI). The aim of our study was to investigate the efficacy and safety of the suprapubic arch (SPARC) procedure for the management of UI in elderly women.

Study design, materials and methods

A retrospective analysis was conducted on 301 women who underwent the SPARC procedure for SUI. The patients were divided into two groups: group A (<65 years) and group B (≥65 years). Among these patients, women with mixed urinary incontinence (MUI) were assigned to either group C (<65 years) or group D (≥65 years). The objective and subjective SPARC success rates were evaluated postoperatively.

Results

There were 258 patients in group A, 43 patients in group B, 44 patients in group C, and 11 patients in group D. The objective surgical success rates for groups A and B were 97.7% and 95.3%, respectively (p=0.304). The subjective success rates for groups A and B were 97.3% and 95.3%, respectively (p=0.311). Recommendation rates for the SPARC procedure were 93% in group A and 93% in group B (p=0.5). In patients with MUI (groups C and D), the objective success rates were 93.2% (group C) and 81.8% (group D) (p=0.286). The subjective success rates were 93.2% (group C) and 81.8% (group D) (p=0.286). The complication rates were similar between the two study groups: 5.4% (group A) vs 7.0% (group B) (p=0.359).

Interpretation of results

Between two groups, objective and subjective success rates are not different and the complications rate is not different.

Concluding message

The SPARC procedure is effective and safe, and it offers a satisfactory success rate in elderly women with UI.

References

1. Anger JT et al, J Am Geriatr Soc, 2007;55:1927-31
2. Dalpiaz O et al, Eur Urol, 2006;50:826-31
3. Gordon D et al, Urology, 2005;65:479-82

Specify source of funding or grant	None
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?	No
This study did not require ethics committee approval because	retrospective study. During 5years after we started SPARC procedure, we want to evaluate the effectiveness in the elderly people.
Was the Declaration of Helsinki followed?	Yes
Was informed consent obtained from the patients?	No