

FAYED URETHRAL COMPRESSION OPERATION (FUCO) FOR THE TREATMENT OF TOTAL URINARY INCONTINENCE IN MALES

Aims of Study

Total urinary incontinence represents one of the most distressing urologic problems affecting the patients's social, psychological, and economic aspects of life. In this work, we present a new technique for achieving continence in males with total urinary incontinence.

Methods

Eighteen male patients with total urinary incontinence due to pelvic trauma, post radical prostatectomy, benign prostatic surgery or neurogenice disease were included in this study. A transverse incision is made in the distal third of the ventral aspect of the penis. The corpora cavernosa are dissected and adequately mobilised both ventrally and dorsally. A 3 cm longitudinal incision is made in each corpus cavernosum ventrally. The medial edges of both incisions are sutured together ventral to the urethra using 4/0 Vicryl sutures. This is followed by suturing the lateral edges together resulting in anastomosis of both corpora cavernosa ventral to the urethra, hence smoothly compressing it. A 12 Fr. Fooley's catheter is left in the urethra for 4 weeks.

Results

Operative time ranged between 35 and 50 minutes (mean 42 minutes). The patients were followed for 6 to 18 months (mean 12 months). Thirteen patients (72.2%) were completely dry following the procedure. Two patients had retention and were under intermittent clean catheterisation using a short catheter. Revision of the procedure was successfully performed in 3 patients using the same technique at a more proximal level 4 months later. This gave 86.6% overall success rate for the procedure.

ConclusionsFayed Urethral Compression Operation (FUCO) for the treatment of total urinary incontinence is simple, fast, easy to perform, and of short learning curve. Even in failures, it could be easily repeated at a more proximal level with a high success rate. The chances to perform more invasive anti-incontinence procedures is preserved.