

RECTUS FASCIA SLING FOR THE TREATMENT OF TOTAL URETHRAL INCONTINENCE IN MALES

Hypothesis / aims of study

Total urinary incontinence is a major health problem. It affects the social, economic and psychic aspects of life of the patients. Rectus sheath fascial sling has been successfully used in females for years in the treatment of SUI. The same basic concept and technique was assessed in male patients.

Study design, materials and methods

Ten adult male patients with total incontinence due to neurogenic diseases, mostly myelomeningocele were included in this study. In four patients, the procedure was accompanied by augmentation ileo-cystoplasty. A rectangular rectus sheath flap was harvested and defatened. A mid-line perineal incision was made and the bulbar urethra dissected keeping the surrounding peri-urethral corporal cavernosus muscles. The flap was placed around the bulbar urethra under the pubic bone. Four corner 0 prolene threads were taken into the flap. Two threads were passed in front of the pubic bone and two threads behind it. Both sutures of each side were tied to each other. A suprapubic catheter connected to cystometry channel was used intra-operatively to maintain vesical pressure around 60 cm/H20. in patients with associated augmentation cystoplasty, no intra-operative measurement of intra-vesical pressure was required, as they were going to use C I C post-operatively.

Results

The procedure was successful in 9 patients (90%). One patient still had some stress incontinence. Five patients are using CIC.

Interpretation of results

Rectus fascia sling is applicable in males as well as females

Concluding message

The technique is safe and effective. It allows the compression of the urethra against a bony structure, thus allowing adequate and maintained closure of the bulbar urethra.

<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>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>	Alexandria University ethical committee
<i>Was the Declaration of Helsinki followed?</i>	Yes
<i>Was informed consent obtained from the patients?</i>	Yes