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TRANS SCROTAL IMPLANTATION OF THE ARTIFICIAL URINARY SPHINCTER

Synopsis of Video

Aims of Study

The Artificial Urinary Sphincter (AUS) is used for the treatment of moderate to severe post prostatectomy incontinence. Historically surgical implantation around the bulbar urethra involves two separate incisions. We describe our technique for implantation utilizing a single incision.

Methods

The patient is positioned in the supine position and the legs are abducted. An upper transverse scrotal incision is made. Retraction is provided by the Scott Retractor (Lone Star Medical Products, Houston, TX) or the Wilson Penile Implantation System (Applied Medical Technology, Cleveland, OH). The distal bulbar urethra is sharply exposed and the AUS cuff is placed. The reservoir is placed in the retropubic space through the external inguinal ring. The control pump is placed in the scrotum. After the connections are secured the incision is closed.

Results

This approach is efficient and technically easy to perform. This approach has been successfully used in virgin implants, revision implants and patients previously treated with the male sling procedure. Excellent urethral coaptation can be achieved with either the 4.0 or the 4.5 cm cuff. Success rates are similar to the standard two incision approach.

Conclusions

A single incision provides the patient with less morbidity. Excellent exposure can be obtained with no compromise in surgical technique or results. This approach can be utilized in all post prostatectomy patients with moderate to severe stress urinary incontinence.