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TRANSOBTURATOR SLING: A NOVEL TRANSOBTURATOR SLING PROCEDURE FOR TREATMENT OF MALE URINARY INCONTINENCE

Synopsis of Video

To the best of our knowledge, for the very first time an innovative transobturator sling procedure, using a new composite polymer sling was carried out for treatment of male urinary incontinence. A 69 year-old male patient, incontinent after radical retro pubic prostatectomy underwent male sling procedure via transobturator approach. Urodynamic studies disclosed normal detrusor activity and sphincter insufficiency. The transobturator sling procedure was carried out under fluoroscopic imaging guidance, using specially designed introducer needles. A unique self-anchoring composite sling manufactured from bioabsorbable and non-absorbable co-polymers (Prosurg Inc , San Jose CA) was used for the procedure. With the patient in the lithotomy position, under spinal anesthesia, a vertical perineal incision was made in the midline and the bulbar urethra and the crura penis was dissected. The introducer needle was then introduced between the urethra and the corpus cavernosum, shaving the back of the ischium. For additional safety, the bladder was filled with contrast media and introducer needles were inserted away from bladder, under fluoroscopic guidance into the obturator foramen. Once the needle tip was exposed, a polypropylene thread was introduced into the eyelet of the needle and brought into the perineal incision region. The same maneuver was repeated on the other side. The polypropylene thread was then tied to the anchoring tails of the sling and pulled into the proper position. Tension control was carried out using the retrograde Valsalva leak point pressure of 60 cm H₂O. The incision was closed in the usual manner and a 16 F Foley catheter was left in place for overnight.

The patient was greatly improved, using only one pad per day, compared with the six pads used before this procedure.

Transobturator composite polymer sling is a feasible approach for the management of urinary incontinence in the male.