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SABRE SLING (SELF ANCHORING BIO REABSORBABLE) FOR TREATMENT OF FEMALE URINARY STRESS INCONTINENCE

Synopsis of Video

This video tape is a comprehensive approach to Biosling, a new device with two anchoring tails to create a support to midurethra, in order to restore the continence in women with urinary stress incontinence (USI). It is made of a copolymer poly-lactic acid (PLA) and poly-caprolactone (PCL), that had been previously used as sutures materials and has an excellent history of biocompatibility and are also approved by FDA. Biosling is designed to allows for minimum surgical damage of pelvic floor natural support structures.

Two 0.5 cm transverse incisions are made close to the superior aspect of the pubic bone 5 cm apart. A longitudinal vaginal incision, 1.5 cm long is made, starting 0.5 cm from the urethral meatus. Dissection is done to create a 1 cm tunnel lateral to the urethra for the progression of the insertion needle. The needle is introduced in the previously made suprapubic incision and brought to the vaginal incision. Cystoscopy is performed to rule out bladder perforation. Biosling is attached to the needle and pulled out to the suprapubic area. The same maneuvers are repeated on the other side. The proper tension of the Biosling is adjusted maintaining a Metzenbaum scissors between the urethra and the sling, to prevent undue tension. The extremities of the sling were cut and the Metzembraum scissors were removed. No further fixation is needed and the incisions are closed in the usual manneRodriguesAn indwelling catheter is left in place overnight.

Twenty patients underwent this procedure. The cure rate was 95 %. One patient had vaginal exposition of the sling that was removed. No major complications were noticed.

This procedureis simple, safe and cost-effective. It may be performed under local anesthesia on an outpatient basis. This may be an attractive alternative for urinary incontinence, should the good results proved to be long lasting.