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Title (type in
CAPITAL
LETTERS)THE EFFECT OF ANTERIOR VAGINAL WALL SLING OPERATION USING
VESICA PERCUTANEOUS STABILIZATION KIT IN STRESS URINARY
INCONTINENCE

Purpose : Various surgical approaches have been introduced to treat stress urinary incontinence. We present our short term follow-ups and efficacy of anterior vaginal wall sling operation using Vesica percutaneous stabilization kit.

Materials and Methods : From April through July of 1998, total of 13 cases of anterior vaginal wall sling operations have been performed using Vesica percutaneous stabilization kit. The mean age of the patients is 54 years (between 43 and 71). The patients had the symptoms for mean 8 years (between 1-18). The preop Blaivas types were as follows: Type I - 5 cases; type IIa - 4 cases; and type III - 4 cases. The mean valsalva leak point pressure (VLPP) for type III was 51.3 (45-60)cmH₂O. The operation procedures are: using two thread fixed with a screw, standard anterior vaginal wall sling operation was performed. A minimal incision was made on suprapubic area and a screw was fixed on pubic tubercle. One patient had past history of incontinence surgical intervention. One patient was also diagnosed for interstitial cystitis, and received bladder overdistension in addition to the anterior vaginal wall sling operation. Another patient had uterine myoma, therefore, transabdominal hysterectomy was performed in addition.

Results : The mean follow up duration was 7 (range 6-9.5) months. Postoperatively, 10 patients recovered (76.9%), showed improvement in 2 patients (15.4%), recurrence in 1 patient (7.7%). The mean operation time was 99 minutes (range 60-130). The poly catheter was withdrawn on fifth day postoperatively. In 10 cases, temporary urinary obstructions were seen which were treated by clean intermittent catheterization. Two cases were complicated with urge incontinence, however, treated with following operations. One case showed temporary urge incontinence.

Results : The anterior vaginal wall sling operation using Vesica percutaneous stabilization kit allows smaller incision and easier surgical intervention. Our data shows a better outcome using this surgical methods than standard anterior vaginal wall sling operation.

Key Words : Stress urinary incontinence, Vaginal wall sling, Vesica