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Title (type in CAPITAL LETTERS, leave one blank line before the text) THE EXPERIENCE OF OPERATION USING TENSION-FREE VAGINAL TAPE FOR STRESS URINARY INCONTINENCE Aims of study: The object was to study prospectively the results of a modified intravaginal slingplasty for the surgical treatment, using new continence procedure, tension-free vaginal tape (TVT) placement for surgical treatment of stress urinary incontinence in women Methods 28 women with demonstrable stress urinary incontinence underwent a nonrandomized, prospective study using the TVT procedure. The procedure was previously described by Ulmsten et al Results: We assessed the short-term result of 28 stress urinary incontinence patients who underwent a TVT procedure. The mean age of the patients was 51.5 years and mean operation time was 28.8 minutes. Mean duration of postoperative catheterization was 1.2 days. Success rate was 92.8%. Conclusions: TVT sling operation is a safe, simple and effective procedure for the treatment of stress incontinence. Early results are good, but further follow-up of long term result is needed. 1. Urinary stress incontinence: Differential diagnosis, pathophysiology and management. <i>Am J Obstet Gynecol</i> 1975; 122: 368-400. 2. The pathophysiology of stress incontinence. <i>Urol Clin North Am</i> 1985; 12: 271-8. 3. The anatomy of stress incontinence. <i>AUA Update Series</i> 1990; 9: 306-11 4. Stress urinary incontinence. <i>Obstet Gynecol</i> 1976; 47: 255-60 5. Stress incontinence. classification and surgical approach. <i>J Urol</i> 1988; 139: 727-31. 6. Early Experience of the Transvaginal Burch Bladder Neck Suspension for Female Stress Urinary Incontinence. <i>Korean J. Urol</i> , Vol.387, No. 3, p 289-294, March, 1997. 7. Zur operativen beseitigung der angelborenen incontinenz vesicae. <i>Zeitschr Gynakol Urol</i> 1910, 2: 187-91. 8. Sub-urethral slings for treatment of stress incontinence. <i>Int Urogynecol J</i> 1994; 5: 228-39. 9. The mersilene mesh gauze-hammock for severe urinary stress incontinence. <i>Obstet Gynecol</i> 1973, 41: 88-93. 10. Pubovaginal fascial sling for the treatment of complicated stress urinary incontinence. <i>J Urol</i> 1991, 145: 1214-8. 11. Fascia lata sling cystourethropexy for the management of female urinary incontinence. <i>Int Urogynecol J</i> 1998; 9: 165-73. 12. The Marlex sling operation for the treatment of recurrent stress urinary incontinence. <i>Am J Obstet Gynecol</i> 1985; 151: 224-6 13. Silastic sling for urethral sphincter incompetence in women. <i>Br J Obstet Gynecol</i> 1985; 92: 747-50. 14. Gore-Tex sling urethral suspension in type 3 female urinary incontinence: clinical results and urodynamic changes. <i>Int Urogynecol J</i> 1997; 8: 344-50. 15. Intravaginal slingplasty. An ambulatory surgical procedure for treatment of female urinary incontinence. <i>Scand J urol Nephrol</i> 1995; 29: 75-82 16. Intravaginal slingplasty for treatment of female stress incontinence. 11th IUGA Meeting, Kuala Lumpur, 1995 17. An integral theory and its method for the diagnosis and management of female urinary incontinence. <i>Scand J Urol Nephrol</i> 1993; 153: 1-93 18. Mesh materials in hernia repair. <i>Inguinal hernia Repair</i> 1995 (in press) 19. Tissue reaction of expanded polytetrafluoroethylene suburethral sling for urinary incontinence. Clinical and histological study. <i>Am J Obstet Gynecol</i> 1993, 169: 1198-1204 20. The anatomy of female continence. In. <i>Abstracts from the Western Section American Urological Association, Inc.</i> Scottsdale, Ariz. 1995, 118 21. Vaginal reconstructive surgery for female incontinence and anterior vaginal wall prolapse. <i>Urol Clin North Am</i> 1995; 22: 641-55