

## THE VALUE OF REPAIR OF ASYMPTOMATIC GRADE II PELVIC ORGAN PROLAPSE DURING MID URETHRAL SLING SURGERY FOR STRESS URINARY: A PROSPECTIVE RANDOMIZED STUDY OF 72 CASES

### Hypothesis / aims of study

To compare the clinical outcome between midurethral sling procedure for stress urinary incontinence with and without concomitant repair of asymptomatic grade II pelvic organ prolapse (cystocele) repair.

### Study design, materials and methods

Seventy two female patients with stress urinary incontinence (SUI) and asymptomatic grade II cystocele were included in a randomized study between June 2014 and June 2015. They were divided equally into two groups. Group (A) treated only with trans-obturator tape (TOT) without treatment of the cystocele while in group (B) TOT was associated with cystocele repair by a tailored proline mesh. Postoperative follow up was performed after 3, 6 and 12 months. The two groups were compared regarding clinical outcome of SUI (cure, improvement or failure) and development of any denovo events.

### Results

For clinical outcomes based on patients' subjective symptoms, the cure rate of group (A) was 77.8%.66.7% and 66.7% meanwhile for group (B) was 85%,90% and 90% at 3,6 and 12 months, respectively ( $p<0.05$ ). Cystocele was cured in all patients in group (B). Six patients (17%) with asymptomatic cystocele grade II in group (A) became symptomatic or with a higher grade at 6 months duration that required surgical repair. Denovo urgency with or without UUI was 12.5% in group (A) increasing up to 50% at 6 months follow up which was treated with anticholinergic medications, but was 5% in group (B) with highly statistically significant difference ( $p<0.05$ ).

### Concluding message

Concomitant asymptomatic cystocele repair with midurethral sling improve the cure rate of stress urinary insentience, reduce the incidence of denovo urgency incontinence and worsening of existing cystocele.

### Disclosures

**Funding:** NONE **Clinical Trial:** Yes **Public Registry:** No **RCT:** Yes **Subjects:** HUMAN **Ethics Committee:** urology dept **Helsinki:** Yes **Informed Consent:** Yes