

# IMMEDIATE POST-OPERATIVE ULTRASOUND EVALUATION AFTER SLINGS PUBOURETHAL LIGAMENT PLICATION AND LUKSENBURG PLUS SYSTEM FOR STRESS URINARY INCONTINENCE

**Objective -** The aim of this study is to identify the anatomical alteration and to offer a more personalized approach for each patient.

**N- 34**

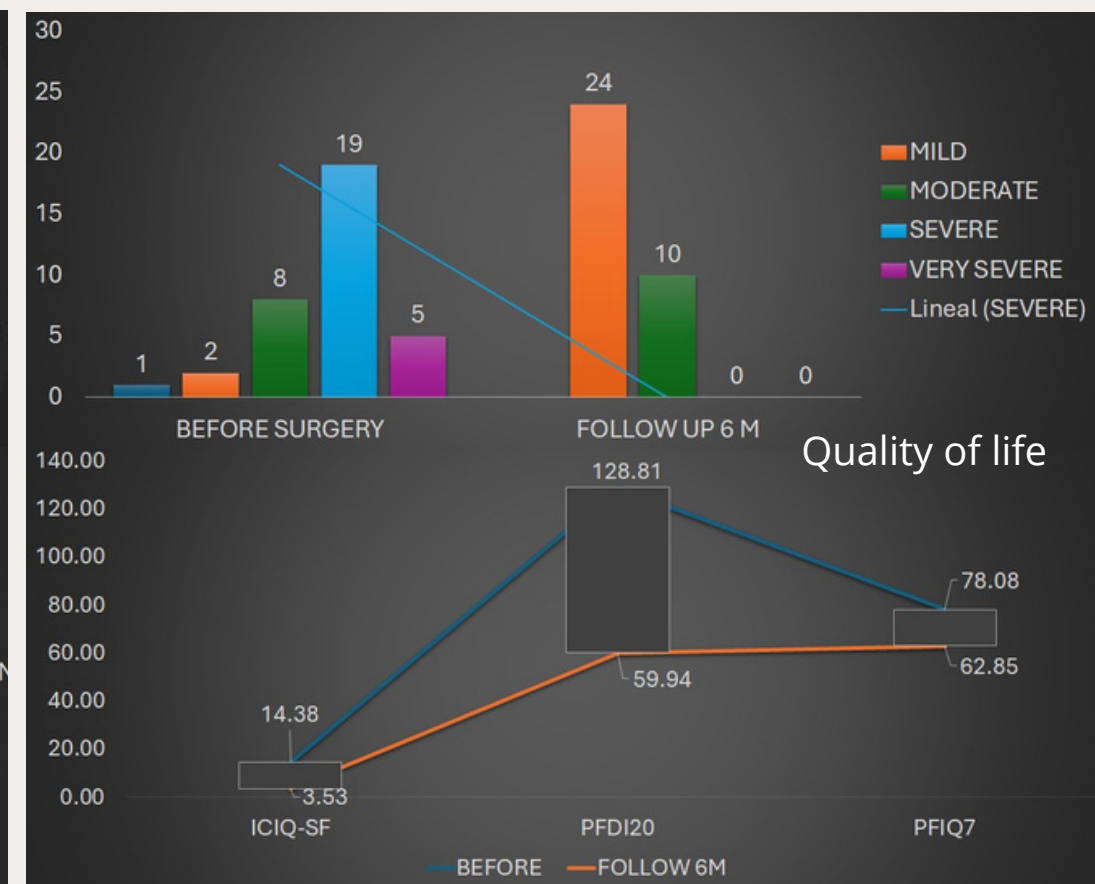
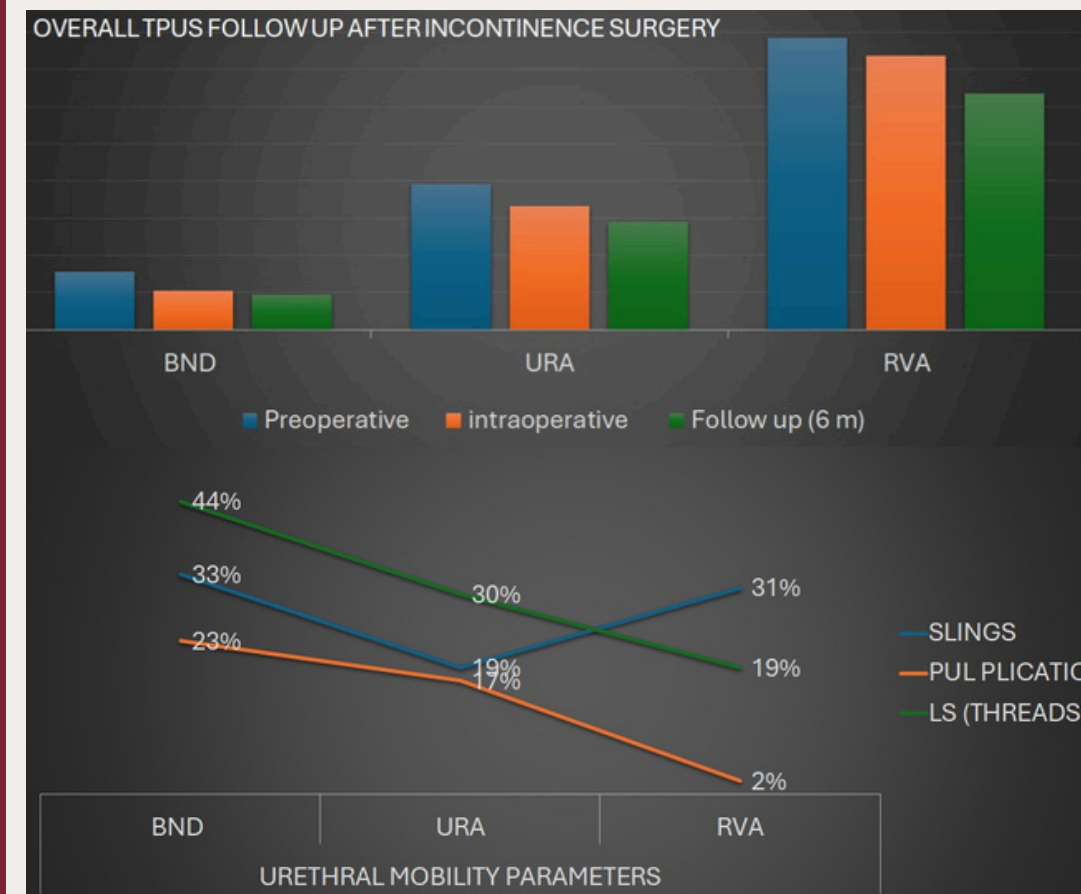
## **Surgery-**

Suburethral slings  
Pubourethral plication  
Luksenberg system (threads)  
Evaluation TPUS and quality of  
life (ICIQ, Sandvick, PFDI20, PISQ7)



Evaluation TPUS and quality of  
life (ICIQ, Sandvick, PFDI20, PISQ7)  
Pretreatment  
Intraoperative  
6 month s follow up

## **The results are.-**



## **Conclusion**

In this study the analysis of both subjective symptom scores and objective anatomical parameters over time and across surgical techniques suggests that there is a Significant Symptom Improvement with notable reductions at 6-month follow-up based on Scores from ICIQ-SF, PFDI-20, and PFIQ-7. Anatomically from intraoperative uptill 6 months, there was an improve in the bladder neck support (BND), less urethral rotation (URA) implies improved urethral stability, and restoration of a more normal bladder angle (ARV), improving bladder function and together contributing to continence. Slings restore continence via passive mechanical support. PUL Plication reduce urethral mobility offering more localized tightening and the LS (Threads) supposed to give a dynamic stabilization. Comparing Slings, PUL Plication, and LS (Threads) reveals that while all three techniques offer degrees of anatomical correction and symptom relief, they differ in their mechanism of action, anatomical improvement, invasiveness, complication profile, and long-term durability. Incorporating TPUS into the intraoperative and postoperative workflow of incontinence surgery enhances surgical precision, anatomical assessment, and long-term outcome monitoring, making it a valuable tool in delivering high-quality, patient-centered pelvic floor care. More number of patients and more follow up is needed to get more conclusion

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