

ONE-YEAR COMPARATIVE OUTCOMES BETWEEN SUBURETHRAL SLINGS AND A THREAD-BASED SYSTEM FOR STRESS URINARY INCONTINENCE

A prospective QOL and anatomic study using transperineal ultrasound

Palma P¹ · Maiti S² · Luksenburg A³
¹ UNICAMP, Brazil · ² University of Monterrey, Mexico ·
³ Gyco Institute, Uruguay

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BACKGROUND & AIM

Midurethral slings (MUS) are established treatment for female SUI, but interest is growing in less-invasive, mesh-free strategies.

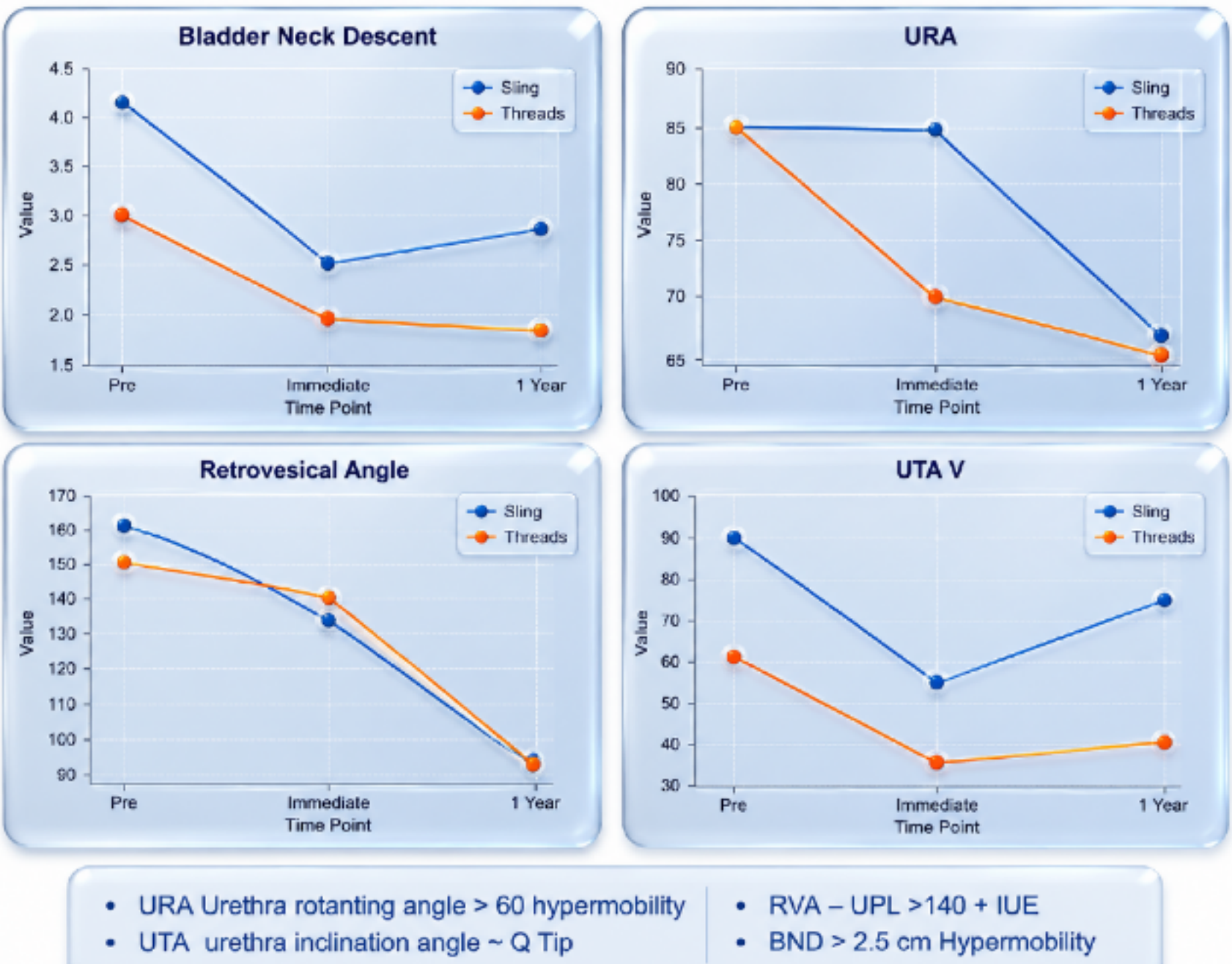
AIM
Compare 12-month clinical and anatomical outcomes of transobturator tape (TOT) versus a

METHODS

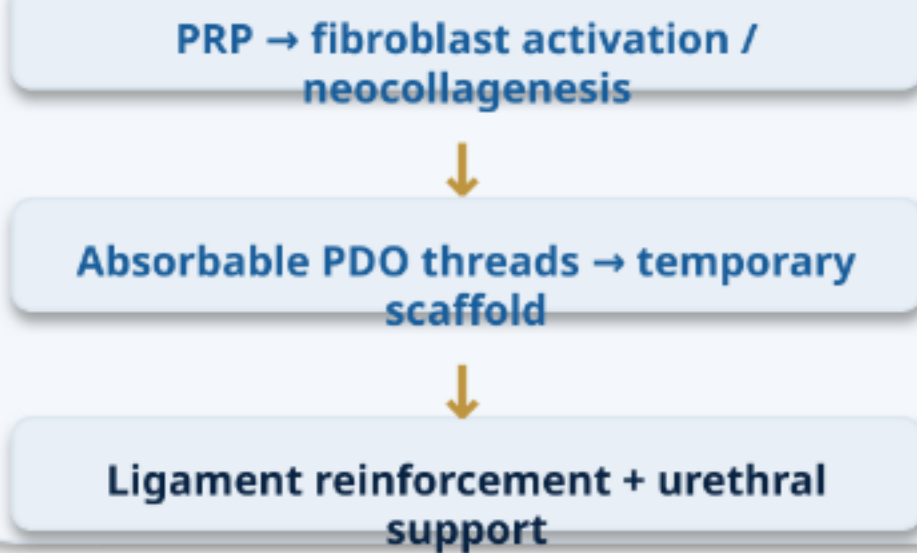
DESIGN Prospective, non-randomized comparative study
POPULATION 50 women with Type II-III SUI
GROUPS TOT n=25 | Thread-based n=25
PRIMARY Objective cure: negative cough stress test at 12 months
SECONDARY ICIQ-SF, satisfaction, TPUS anatomy
THREAD PROCEDURE PDO threads in X + A configurations reinforcing pubourethral/urethropelvic ligaments + PRP

PRIMARY RESULT & TPUS METRICS

OBJECTIVE CURE AT 12 MONTHS
TOT / MUS 85% VS THREAD-BASED 90%
Fisher's exact test = 1.00 | 21/25 vs 22/25



THREAD-BASED CONCEPT



INTERPRETATION

At 12 months, the thread-based approach showed an efficacy signal comparable to TOT, with favorable short-term safety. These findings are hypothesis-generating, not proof of non-inferiority.

TAKE-HOME MESSAGE

Comparable 1-year cure rates suggest that biologic ligament reinforcement merits evaluation in larger randomized, multicenter trials with longer follow-up.