854

Sutherland S E[1], Desai A[1]
1. *Metro Urology, Centers for Continence Care and Female Urology, Mpls/St Paul, MN*

MINIARC SINGLE−INCISION, MID−URETHRAL SLING: MEDIUM−TERM OUTCOMES

Hypothesis / aims of study

The MiniArc single−incision, midurethral sling provides a simpler, minimally−invasive treatment for stress urinary incontinence (SUI) due to urethral hypermobility (UHM).

Study design, materials and methods

Retrospective review of MiniArc slings performed by a single surgeon (SES). Patients seen routinely at 3−5 days, 2 weeks, 3, 6 and 12 months postoperatively. Follow up visits consisted of physical exam, direct visual stress test, PVR assessment, UA, UDS-6, IIQ-7, FSD and QOL questionnaires.

Results

Of 167 slings, 136 had at least 3 months, 79 had at least 6 months, and 6 had 12 months f/u data. Mean age 55 yrs (36−90). All MiniArcs were done as an outpatient procedure unless a concurrent procedure was performed. Median OR time was 10 minutes; median EBL <25cc. Median PVR was “negligible”. Obstructive voiding and elevated PVR necessitated one sling revision. At last f/u, 2 patient reported persistence of mild SUI, with mild leakage seen on direct visual stress test. Significant differences were seen on pre and post UDI−6 [total as well as sub−grouping for urgency (questions 1 and 2) and SUI (questions 3 and 4)], IIQ−7, and QOL questionnaires ($p<0.05$). No sling mesh extrusion/erosion, infection, sling related pain or dyspareunia was noted.

Interpretation of results

The MiniArc sling is an excellent option for the treatment of SUI due to UHM with comparable medium−term success to other midurethral slings. Patient observation continues in order to assess long−term (at least 1 year) durability.

Concluding message

The MiniArc single-incision, midurethral sling provides an excellent option for the treatment of female SUI due to UHM.

Specify source of funding or grant	**None**
Is this a clinical trial?	**No**
What were the subjects in the study?	**HUMAN**
Was this study approved by an ethics committee?	**No**
This study did not require eithics committee approval because	**Retrospective Chart review of Prospectively collected data in a clnical setting**
Was the Declaration of Helsinki followed?	**Yes**
Was informed consent obtained from the patients?	**Yes**