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POST-OPERATIVE PATIENT SATISFACTION AND SUBJECTIVE SUCCESS AFTER PLACEMENT OF THE CONTASURE NEEDLELESS SLING SYSTEM.

Hypothesis / aims of study

To determine post-operative patient satisfaction and subjective success of the ContaSure Needleless Sling System.

Study design, materials and methods

The ContaSure Needleless Sling is a single incision sling made of an 11.4 cm x 1.2 cm monofilament, macroporous, AMID Type I, polypropylene mesh with 2.2 cm wide "Pocket Positioning Anchors" on both ends. The pockets allow the device to be introduced with a standard forceps instrument eliminating the need for sharp needle introducers (fig 1).

All patients who had undergone a ContaSure Needleless Sling System at our institution from September 2007 to January 2010 were identified for a total of 85 patients. These patients were contacted and invited to participate in a telephone interview. The telephone interview assessed patients' subjective stress urinary incontinence, urinary frequency, urinary urgency, urinary urge incontinence, nocturia, percent improvement, and additional treatment for urinary incontinence.

Results

Of the 85 patients identified, 43 patients participated in the telephone interview, 33 patients were unable to be contacted, and 9 patients declined to participate. Five of the patients who did not participate in the interview were subjective sling failures.

Of the patients who participated in the interview, 14 months was the median time from surgery. Eight patients (18.6%) reported persistent stress urinary incontinence. Zero patients reported urinary frequency. Thirteen patients (30.2%) reported urinary urgency. Twelve patients (27.9%) reported urinary urge incontinence. Two patients (4.7%) reported nocturia. When patients were asked to rate their overall improvement from 0-100%, the mean percent subjective improvement was 91% (range 0%-100%). Five patients (11.6%) were started on medication after placement of the ContaSure Needleless Sling System (2 patients on Fesoterodine, 2 patients on Solifenacin, and 1 patient on Darifenacin). No patient who participated in the survey reported having any additional incontinence procedure or surgery.

Of the 33 patients who were unable to be contacted for the telephone interview, 29 patients (87.9%) reported no subjective stress urinary incontinence at their last documented office visit.

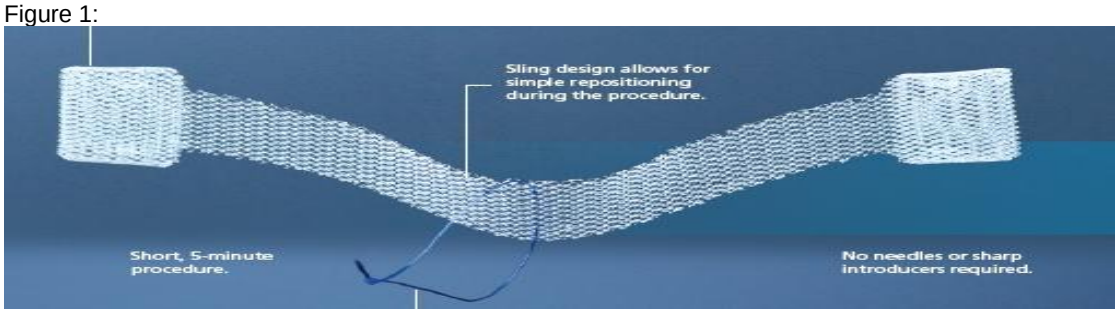
Interpretation of results

The ContaSure Needleless Sling System has a subjective patient success rate of 81.4% and a subjective patient improvement of 91% at a median follow up of 14 months. This is comparable to the success rate of a traditional TOT.

Concluding message

The ContaSure Needleless Sling System is an effective treatment for stress urinary incontinence.

Figure 1:



Specify source of funding or grant	**Non-restricted grant from ContaSure.**
Is this a clinical trial?	**Yes**

Is this study registered in a public clinical trials registry?	**No**
Is this a Randomised Controlled Trial (RCT)?	**No**
What were the subjects in the study?	**HUMAN**
Was this study approved by an ethics committee?	**Yes**
Specify Name of Ethics Committee	**Sterling IRB**
Was the Declaration of Helsinki followed?	**Yes**
Was informed consent obtained from the patients?	**Yes**