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MONTEVIDEO - URUGUAY

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## RESUMENES / RESUMOS / ABSTRACTS



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### Evaluation of results of a shortening procedure with no tunical incision, with invaginating suture to external knot to correct penile curvatures

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#### Introduction

The penile shortening techniques are simple surgical to correct penile curvatures. Elective surgery is indicated in case of a penile curvature of less than 70 degrees, with a minimum penile length of 10 cm; no penile hourglass or hinge-destabilizing deformities and adequate erectile function.

**Objective:** To evaluate the results of a shortening technique with non-absorbable invaginating suture to external knot.

#### Material and Method:

Between January 2010, and December 2014, 36 patients were operated on. The mean age was of 52.6 years (27 to 76). The average curvature was of 59.3 degrees (30-90 degrees). 19 patients had a curvature between 30 and 70 degrees, and 17 of them between 70 to 90 degrees. Plastic surgery was carried out using plication non-absorbable suture (Nylon 000) to external knot. Technically, the stitches, a maximum of 4, entered right in the same exit point of the previous stitch. Unlike the Lue techniques and different from the Essed-Schroeder procedure, with inverted suture.

Statistical method employed: Mann-Whitney Test ( $p < 0.05$ )

#### Results:

Mean follow up was 8.2 months (4-48). Correction of penile curvature was successful in 33 patients (91.6%), curvature relapse was present in 3 patients, one of them with congenital curvature had to be reintervened. 47% percent of patients suffered an average penile shortening of 0.5 cm (0-2.5 cm). There was no difference in shortening when comparing penile curvatures lower and higher than 70 degrees ( $p > 0.05$ ) Two patients (5.5%) reported postoperative erectile dysfunction. 19% of them reported hypoesthesia, but only 8% manifested delayed ejaculation disorder affecting their quality of life

#### Conclusion:

The shortening technique for penile curvatures using invaginating stitches to external knot with non-absorbable suture has been proved to be effective and safe, being a simple technique with an average shortening of less than a centimeter regardless of the degree of curvatures.

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