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The " Kiel Knots" Technique for Treatment of Congenital and Acquired Penile Deviation

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ABSTRACT

Objectives: We propose a surgical correction of the penile curvature applying a technique based on the 16-dot plication technique modified by burying the knots in a shallow trough of incised tunica. We entitle this modification the " Kiel Knots" . **Material and methods:** 20 patients with a penile deviation, average age 36.8 years (24 - 52) were operated. Follow-up time was 26 months. In 8 patients the deviation was congenital, in 12 patients it was an acquired deviation. The deviation was >30° in all patients. **Surgical technique:** A circumcising incision was made and the penis was degloved. Buck' s fascia was incised exposing the tunica albuginea opposite the curvature. 8 dots were marked bilaterally on the tunica albuginea and a 5 mm incision along the marks was made without cutting into the Corpus cavernosum. Instead of plicating with one suture for 4 dots, our modification uses one suture for two dots with the knot buried in a shallow trough created by a scalpel. **Results:** The average operation time was 64 minutes. We observed a loss of penile length in 30% of the patients (0.5 - 1 cm). There were no problems with erectile function. In a follow-up of 2 years, 90% of the patients remained without recurrence of deviation. None of patients reported problems with the suture knots. **Conclusion:** Our technique achieves penile straightening with minimal loss of length and no erectile dysfunction.

KEYWORDS

Congenital Penile Deviation; Acquired Penile Deviation; Peyronie' s Disease; Penile Shortening

Cite this paper

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