

OPTIMIZING RESULTS OF SUBURETHRAL SLING OPERATIONS AMONG MALES USING SUBURETHRAL HYALURONIC ACID INJECTIONS

Introduction

Suburthral sling procedures have become the gold standard therapy for male stress urinary continence resulting after radical prostatectomy or trans urethral prostatectomy operations. So far, this technique has succeeded in reducing involuntary loss of urine by anywhere between 50 to 80%. Our aim was to further improve these results by the administration of hyaluronic acid injections in the suburethral region proximal to the external urethral sphincter.

Design

This study included a total of 24 male patients who continued to suffer from SUI following radical prostatectomy or TURP despite undergoing suburethral sling procedures. The number of pads required per day by each patient was documented. All of these patients were then given suburethral hyaluronic acid injections at the site of the external urethral sphincter in order to reduce the magnitude of their SUI. Clinical assessment was then based upon the number of pads required after the Hyaluronic Acid injections in comparison to the number of pads used before this treatment modality was instituted.

Results

Current literature has shown that male urethral sling procedures improve SUI by anywhere between 50 to 80%. However, by administering an additional treatment of suburethral hyaluronic acid injections we are able to enhance these results by a further 20%. This means that grade II & III SUI use an average of 0 to 1.5 pads per day after instituting this additional therapy.

Conclusions

Suburethral injections of Hyaluronic Acid administered to our study group of post-operative male sling procedures have succeeded in reducing the daily use of pads from 5 pads to anywhere between 0 to 1.5 pads per day.

References

1. Prof Dr. med. D. Groneberg, University - Charitè, Germany
2. Priv.-Doz. Dr. med. Zumbé, Leverkusen, Germany
3. Dr. A. Wahab, Manama, Bahrain

<i>Specify source of funding or grant</i>	Study without any funding or grant.
<i>Is this a clinical trial?</i>	Yes
<i>Is this study registered in a public clinical trials registry?</i>	Yes
<i>Specify Name of Public Registry, Registration Number</i>	Ethics Committee of thune - hospital - association, catholic church, Germany
<i>What were the subjects in the study?</i>	HUMAN
<i>Was this study approved by an ethics committee?</i>	Yes
<i>Specify Name of Ethics Committee</i>	Ethics Committee of thune - hospital - association, catholic church, Germany
<i>Was the Declaration of Helsinki followed?</i>	Yes
<i>Was informed consent obtained from the patients?</i>	Yes