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

Hypothesis / aims of study

Suburethral sling procedures have become the gold standard therapy for female stress urinary continence. So far, this technique has succeeded in reducing involontary loss of urine by anwhere between **80 to 90%.** Our aim was to further improve these results by the administration of hyaloronic acid injections in the suburethral region proximal to the external urethral sphincter.

Study design, materials and methods

This study included a total of 21 female patients who continued to suffer from SUI despite undergoing a suburethral sling procedure. 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 **80 to 90%**. However, by administrating an additional treatment of suburethral hyaloronic acid injections we are able to enhance these results by a further 20%. This means that grade I & II SUI use an average of **0 to 1 pads per day** after instituting this additional therapy.

Concluding message

Suburethral injections of Hyaluronic Acid administered to our study group of post-operative sling procedures have succeeded in reducing the average daily use of pads from 5 pads to anywhere between 0 to 1 pad 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

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