**PENILE LENGTH AND GIRTH RESTORATION IN SEVERE PEYRONIE’S DISEASE BASED ON CIRCULAR AND LONGITUDINAL GRAFTS**

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**INTRODUCTION**

- Several cases of PD are associated with shortening, narrowing and erectile dysfunction
- The association between PD and ED is reported to be 20-70%
- Frequently, men who suffer from both ED and PD do not respond to erectile medications. In such cases, a simple straightening operation does not provide any benefit to the patient, as inadequate rigidity still impedes sexual intercourse
- In such cases, surgical correction of the curvature should be performed with simultaneous penile prosthesis implantation
- However, in up to 50% of cases patients are dissatisfied with the postoperative penile length

**MATERIALS & METHODS**

- 105 patients with disabling PD and associated ED underwent our surgical approach for penile length and girth restoration with concomitant penile prosthesis implantation
- Stable disease for at least 6 months; insufficient penile rigidity for sexual intercourse with erectile medications
- Preoperative outpatient evaluation: goniometer, color duplex sonography, 20 mg of prostaglandin E1 (PGE1)
- Mean angle of the curvature: 75.3° ± 21.2° (0-100°)

**SURGICAL TECHNIQUE**

- Based on the geometrical principles of the epididymo-vasal incisions
- Additional circular and longitudinal tunica albuginea incisions
- Inflatable 2-3 piece or malleable penile prostheses were implanted for maximum restoration of length and girth
- Pericardium grafts were used to cover the defects

**RESULTS**

- 104/105 (99%) patients were able to have satisfactory sexual intercourse
- 1 (1%) penile prosthesis explantation due to infection
- Mean penile length gain: 3.6 ± 0.7 cm (range, 2-5 cm)
- Residual curvature of up to 30 degrees (2.9%)
- No wound infection

**CONCLUSION**

- Our technique resulted in a maximum length and girth restoration with excellent functional outcome. Patient satisfaction was very high. Not only the ability to perform sexual intercourse was regained, but also length and girth restoration are very important for recovering self-esteem and patient satisfaction.