

EVALUATION OF THE RESULTS OF ECCENTRIC CIRCUMMEATAL-BASED FLAP WITH COMBINED LIMITED URETHRAL MOBILIZATION TECHNIQUE FOR DISTAL HYPOSPADIAS REPAIR

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Purpose: To evaluate our experience with eccentric circummeatal-based flap (ECBF) with combined limited urethral mobilization (LUM) technique for distal hypospadias retrospectively.

Patients and Methods: Between 2000 and 2005, the patients with distal hypospadias in whom ECBF with combined LUM technique was performed, were evaluated for the age, position of meatus, associated anomalies, early and late complications.

Results: 42 patients were operated. The mean age of the patients was 5,9 years (1,5-12). Position of the meatus was coronal in 29 patients (69%), glanular in 7 patients (16.7%) and subcoronal in 6 patients (14.3%). Chordee was established in 2 patients (4.7%). Five patients have experienced previous unsuccessful hypospadias repairs and 5 patients have undergone circumcision before admission. Duration of catheterization was $4,64 \pm 1,07$ days. All patients were discharged after the stent removal. The mean follow-up was 6,17 months (1-31 months). In three patients (7.1%) meatal regression was observed. Meatal stenosis which responded meatal dilatation was developed in 6 (14.2%) patients. Fistula was not detected in any cases. All patients had orthotopic slit-like meatus.

Conclusions: ECBF with combined LUM is an appropriate technique for distal hypospadias with satisfactory functional and cosmetic outcome. Successful results can also be achieved in patients who have undergone previous failed operations. Fistula formation is not expected and the incidence of complications like meatal stenosis and meatal regression are low. The short hospitalization time is another advantage of this technique.

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