

COMPLICATIONS IN HYPOSPADIAS SURGERY- ANALYSIS OF 221 CASES

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Introduction: Hypospadias is the most common congenital anomaly of the penis and occurs in increasing frequency with 0,32% of males. Complication in hypospadias surgery has been an important title for the pediatric urologists worldwide. Therefore, review studies including different types of repair from one hand are important for comparing the methods.

Patients and Methods: In this study, 221 cases of hypospadias managed by one surgeon between 1999-2005, were reviewed and the related complications were examined. MAGPI repair was performed in 46 of cases (20.81%). Tubularized incised plate urethroplasty was carried out in 71 of cases (32.12%). Mathieu repair was preferred method in 41 of cases (18.55%). In 12 cases (5.42%), inner prepuce layer was used as an onlay flap over preserved urethral plate to reconstruct the neo-urethra. Beck Hackers was used in 32 of cases (14.47%). Cecil - Ombrendanne was used in 3 of cases (1.35%) where penile skin in ventral surface was poor in quality. Follow-up period in this review was minimum 3 months.

Results: In this group, the complication rate with single stage hypospadias reconstruction was 29 (13.94%) and, 5 (38.46%) with two staged ones. There was significant difference between distal and proximal hypospadias repair. The overall fistula rate for the all operations was found 31/221 (14.02%). Meatal stricture rate was found 17/221(7.69%).

Conclusion: Although more than 200 surgical techniques were addressed to repair of hypospadias, complication rate is still a problem in hypospadias repair. Urethrocutaneous fistula still remains the most common complication of hypospadias surgery.

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