

RESULT OF TUBULARIZED INCISED PLATE URETHROPLASTY IN ALL FORM OF HYPOSPADIAS

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Background and purpose: Hypospadias is a common congenital anomaly of urogenital system. In spite of different techniques for treatment of hypospadias and complications such as fistula, most surgeons are thinking of doing an operation with least complications and best results. TIP urethroplasty has been introduced for hypospadias repair in recent years and is gaining popularity for its low complications, simplicity of operation and very good cosmetic results. In this study we evaluate 66 patients with all form of hypospadias that were operated by this technique.

Methods and materials: This study is based on charts of 66 boys with age between 8 month to 13 years with mean of 2.96 ± 2.31 that were operated from 2000 till 2004 with TIP urethroplasty.

In the distal hypospadias we used transurethral salastic catater. In midshaft and proximal ones we used transurethral catater with suprapubic cystostomy. The patients were followed after operation and complications such as infection, fistula and stenosis were looked for. The mean duration of follow up was 3 month. All patients had primary hypospadias and there was no case of secondary operation. For evaluation of data we used frequency, mean and standard deviation.

Results: 57(86.4%) patients had distal and 9(13.6%) patients had midshaft and proximal hypospadias. In all patients the cosmetic result of glans and neo-meatus was very good and meatus was slit like. Urination was normal in all boys and there was no incidence of urinary retention. We didn't see any complications in 59(89.4%) of patients. 7(10.6%) had fistula that 5 were in distal group and 2 were in mid and proximal group. We didn't have any wound infection or dehiscence of repair.

Conclusion: TIP urethroplasty is a simple and quick way to repair hypospadias with the meatus slit like after operation and looking like normal circumcised boys. Complications of this operation are low. In our study the only complication was fistula with incidence of 10.6% that was acceptable in contrast to other reports. Other complications such as infection, stricture, or dehiscence were not seen.

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