

OUR FIVE YEARS' EXPERIENCE WITH TUBULARIZED INCISED PLATE URETHROPLASTY

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Aim: To evaluate the clinical results of tubularized incised plate urethroplasty (TIPU, Snodgrass operation) in our patients with hypospadias.

Materials and Methods: The records of patients with hypospadias that underwent TIPU were reviewed retrospectively. Patients were divided into two groups according to time period representing technical modification. Group 1 underwent TIPU operation with old technique (before 2003) and group 2 underwent TIPU operation with renewed technique (last three years). The relationship of complications with technique used, age, site of original meatus and chordee or penoscrotal web were noted.

Results: Mean age of the patients at operation was 2.5 (range: 1 to 14 years). Location of meatus was distal penil in 23 patients, midpenil 18 in patients, and proximal penil in 4 patients. Fistula developed in nine patients, and meatal stenosis in one patients. Mean follow-up time was 9 months (range: 2 to 24 months). Overall complication rate was %22. Complication rate was 44% in the first two years, and 10% in the last three years. When age groups were considered, complication rate was highest in children older than 6 years old regardless of time period. Patients with proximal hypospadias have higher complication rate than midpenil or distal hypospadias in both periods. Two fistulas developed in six patients having chordee or penoscrotal web.

Conclusion: Although renewed technique markedly decreases complication rate, being older than six years and proximal location of meatus do increase complications in both periods.

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