

PP-25 Use Of Inlay Grafts In Hypospadias Reoperations Presenting With Mid And Distal Urethral Strictures.

Poster Bildiri

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**Introduction:** Complex hypospadias repair is associated with high incidence of complications such as meatal strictures, fistulas and full urethral strictures after urethroplasty. We reviewed cases presenting with strictures as a complication of previous surgery and that had to be treated with grafts in one and two-stages. **Material and Methods:** We reviewed our database of complex hypospadias from 2010 to 2023 in a non teaching/university hospital where all cases have been treated by the same surgeon and team. We looked at patients with previous surgery (redos) with suspicion of neo urethral stricture and evaluated the number of previous surgeries, type of tissue used, distal or mid penile obstruction, reconstruction in one or two stages, end result. **Results:** We found 22 cases with mean age 4.5 years and mean 1.8 surgeries per patient. Past history of febrile urinary tract infections were seen in all cases, indwelling cystostomy tube in 6, use of abdominal wall to void in 16 and reduced urinary flow in 14 patients. We have excised the fibrotic tissue and used a buccal mucosa graft in 21 cases and penile skin graft in one. Only 3 patients had graft and urethroplasty performed at the same time, the others were treated in two stages. Meanwhile 18 patients have completed treatment and 4 await reconstruction. **Conclusion:** The occurrence of strictures after hypospadias repair is a complex situation and the use of grafts in two stages is the preferred approach, in the minority of cases a dorsal graft and immediate reconstruction can be done.

**Keywords:** [urethral strictures];[inlay grafts];[complex hypospadias]