

PP-20 Correction Of Curvature In Single Stage Hypospadias Repair With Foreskin Reconstruction

Poster Bildiri

Mr Hazem Mosa¹, Ms Charlotte Hughes¹, Ms Joanne Parr¹, Mr Ravindar Anbarasan¹, Mr Milind Kulkarni¹, Mr Azad Mathur¹
1 Norfolk & Norwich University Hospital

Aim Foreskin reconstruction (FR) has increased in popularity and is requested by parents of boys with hypospadias. The presence of significant curvature and the technique used to correct it can limit the feasibility of FR. We present a step-by-step video of the technique of curvature correction in single stage hypospadias repair with foreskin reconstruction through a ventral skin incision only. **Methodology** A ventral incision was made along the interface between the inner and outer prepuce and around the meatus. This was followed by ventral degloving only down to the penoscrotal junction. An artificial erection test was performed to confirm straightness of the penis using a 21G butterfly needle injecting normal saline via the glans. A small finger goniometer was used to assess the angle of curvature and 30 degrees of curvature were noted. The ventral dissection was extended laterally around the corporal bodies to access the dorsal midline for placement of dorsal midline plication sutures, without making an incision in the dorsal prepuce. Two dorsal midline plications (Baskin) were used to correct curvature. Straightness was confirmed with a repeat erection test. Glans wings were then developed, and a deep TIP incision was made down to the corpora. Subepithelial urethroplasty was then performed with a continuous 7-0 polydioxanone suture (PDS). Urethroplasty was covered with a ventral dartos barrier layer. Glansplasty was performed in two layers with 6-0 PDS. FR was carried out in three layers (inner prepuce, dartos and outer prepuce skin) with interrupted 6-0 PDS. Easy retractability of the reconstructed foreskin was confirmed at the end of the procedure. An 8Fr dripping stent and compression foam dressing were used for seven days. **Results** Catheter and dressing were removed on post-operative day seven, with good post operative appearance. Parents were instructed to not attempt retraction of the foreskin for six weeks. **Conclusion** Correction of penile curvature of 30 degrees or less is technically feasible through a ventral incision only at the time of single stage hypospadias repair with FR.

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