

PP-19 Wider Angle Of Dangle In Proximal Hypospadias: A Neglected Feature Of The Anomaly That Compromises The Outcome

Poster Bildiri

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Aim: A straight erection of the penis and being able to urinate standing up are important outcome measures for hypospadias surgery. Several techniques are used to straighten the curvature of the corporal body but none of the current techniques can correct the abnormal angle between pubis and penile body. We observed that that this angle of dangle (AoD) is wider for proximal hypospadias cases even resembling the angle in female fetus in some severe cases. The aim of this study was to evaluate the AoD in pediatric hypospadias cases and compare it between proximal and distal ones. **Material and Methods** The intraoperative lateral images of cases with hypospadias between the years 2015-2022 were evaluated retrospectively. Images taken from appropriate angle during artificial erection test after degloving and chordee correction were included. Artificial erection was performed with intracavernosal instillation of saline without penile tourniquet and corporal finger compression. Images which involved any intervention to the penis that might interfere with AoD were excluded. The AoD between the penile body and the pubic plane was measured with the acquired images. AoD was compared between distal and proximal cases. **Results** The study included 68 patients; 31 (45.6%) were proximal and 37 (54.4%) were distal hypospadias cases. AoD (penopubic angle in full artificial erection) was 100.160 ± 14.40 degrees for the proximal and 90.30 ± 11.20 for the distal cases. The difference was statistically significant ($p=0.02$). **Discussion and Conclusion** There are few reports in the literature that attempt to describe the abnormal anatomy in hypospadias, despite the abundance of suggested novel techniques and methods related to surgical correction of hypospadias. There are factors that compromise aiming a normal penis in hypospadias surgery and we can't develop solutions by ignoring them. Wide AoD is one of them, and this is the first study to document that feature of hypospadias which is worsened by the degree of anomaly. Our results showed a statistically significant difference in angle of dangle between proximal and distal hypospadias cases. Because of ethical reasons, we could not collect data related to AoD on erection from normal boys. However, our results show that even

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