

## **SV13: HOW FAR CAN ONE STAGE LAPAROSCOPIC FOWLER STEPHENS ORCHIOPEXY BE IMPLEMENTED IN INTRAABDOMINAL TESTES WITH SHORT SPERMATIC VESSELS?**

Wael Elzeneini\*<sup>1</sup>

E-mail: Wael Elzeneini — wael.elzeneini@gmail.com

<sup>1</sup>Ain Shams University Children's Hospital, Cairo, Egypt

**Background** There is conflicting evidence whether one or two stage laparoscopic Fowler Stephens orchiopexy (LFSO) is better. In this prospective cohort of patients whom all underwent one stage LFSO, we compare our results with our previous prospective cohort of patients whom underwent a two stage LFSO.

**Materials and methods** The current study included all patients between 6 months of age and preschool age with an impalpable undescended testis from 2012 till 2014. Diagnostic laparoscopy was done to confirm an intraabdominal testis (IAT) and classify those with short spermatic vessels. One stage LFSO was done to all patients. Bilateral cases were operated 6-8 weeks apart. Follow up (F/P) was done at 1 and 6 months. Testicular atrophy and position were noted at each visit. Both conventional and doppler ultrasound were done at 6 months.

Previous prospective cohort had 25 IAT same inclusion criteria, done over a longer period (8 versus 2 years) and longer follow up (4 versus 1.9 years).

**Results** Our current study included 13 patients with 16 IAT with a mean of 1.94 years. 10 patients had unilateral IAT while 3 were bilateral. Testicular atrophy was noted clinically in 1/16 of the IAT at 1 month. This increased to 4/16 at 6 months. At 6 months F/P, only 25% maintained their low scrotal position. Conventional and Doppler U/S at 6 months confirmed testicular atrophy in the 4 atrophic IAT.

**Conclusions** One stage laparoscopic FSO holds a higher rate of testicular atrophy which is not justified. Expected postoperative testicular position is the same. There is no increased complication rate with either. There is an important yet limited role for ultrasound in confirming testicular viability.

**Key words** fowler stephens, orchiopexy, intrabdominal testes