

Table S3a. Spearman's rank (rs) correlations between testicular parameters and serum hormonal levels in boys with UDT: unilateral canalicular (UCT), bilateral canalicular (BCT) and intra-abdominal (IAT).

[illegible]

Inh B	13	NS	NS	NS	NS	NS	NS	NS	NS	0.70**	NS	-0.58*	NS	NS
AMH	13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
INSL 3	11	NS	NS	NS	NS	NS	-0.81**	NS	NS	NS	NS	NS	NS	NS
T/LH	13	NS	NS	NS	NS	NS	NS	NS	NS	-0.67*	NS	NS	NS	NS
Inh B/FSH	13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
AMH/FSH	13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Inh B/AMH	13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
INSL3/LH	11	NS	NS	NS	NS	NS	NS	-0.62**	NS	NS	NS	NS	NS	NS
IAT														
FSH	12	NS	NS	NS	NS	-	NS	NS	NS	NS	-	NS	NS	NS
LH	12	NS	NS	NS	NS	-	NS	NS	NS	NS	-	NS	NS	NS
T	12	NS	NS	NS	NS	-	NS	NS	NS	NS	-	NS	NS	NS
E2	12	NS	NS	NS	NS	-	NS	NS	NS	NS	-	NS	NS	NS
DHT	11	NS	NS	NS	NS	-	NS	NS	NS	NS	-	NS	NS	NS
Inh B	9	NS	NS	NS	NS	-	NS	0.74*	0.73*	NS	-	NS	NS	NS
AMH	9	NS	0.73*	NS	NS	-	NS	0.76*	0.81**	NS	-	NS	NS	NS
INSL 3	7	NS	NS	NS	NS	-	NS	NS	NS	NS	-	-0.79*	NS	-0.77*
T/LH	12	NS	NS	NS	NS	-	NS	NS	NS	NS	-	NS	NS	NS
Inh B/FSH	9	NS	NS	NS	NS	-	NS	NS	NS	NS	-	NS	NS	NS
AMH/FSH	9	NS	NS	NS	NS	-	NS	NS	NS	NS	-	NS	NS	NS
Inh B/AMH	9	NS	NS	NS	NS	-	NS	NS	NS	NS	-	NS	NS	NS
INSL3/LH	7	NS	NS	NS	NS	-	NS	NS	NS	NS	-	-0.79*	NS	-0.77*

*p <0.05; **p<0.01; ***p<0.001. Abbreviations: A — after surgery; B— before surgery; N- number of cases; NS— not significant; Testicular parameters: TAI— testicular atrophy index (%); TAI-1 — undescended testis in UCT and IAT group, bigger testis in BCT group compared to the healthy testis in UCT group; TAI-2 — smaller testis in BCT group compared to the healthy testis in UCT group; TGP – testicular growth

percentage (%); TGP-1—descended testis in UCT and IAT group, bigger testis in BCT group; TGP-2—undescended testis in UCT and IAT group, smaller testis in BCT group; Mean TGP – mean of both testes; TV—testicular volume (cm³); TV-1—descended testis in UCT and IAT groups, bigger testis in BCT group; TV-2—undescended testis in UCT and IAT groups, smaller testis in BCT group; Mean TV—mean of both testes; Hormones: AMH—antimüllerian hormone, DHT—dihydrotestosterone, E2—estradiol, FSH—follicle stimulating hormone, Inh B—inhibin B, INSL3 – insulin like protein 3, LH—luteinizing hormone, T—testosterone.