

Table S3b. Spearman's rank correlations (rs) between testicular parameters and serum hormonal levels in boys with UDT below and above the 6th year of age.

<6 years														
Parameter	N	TV-1 (B)	TV-2 (B)	Mean TV (B)	TAI-1 (B)	TAI-2 (B)	TV-1 (A)	TV-2 (A)	Mean TV (A)	TAI-1 (A)	TAI-2 (A)	TGP-1	TGP-2	Mean TGP
FSH	72	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
LH	72	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
T	72	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
E2	72	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
DHT	69	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Inh B	64	-0.34**	NS	-0.32*	NS	NS	-0.31*	NS	NS	NS	NS	NS	NS	NS
AMH	64	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
INSL3	62	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
T/LH	72	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.24*
Inh B/FSH	64	-0.29*	NS	-0.27*	NS	NS	-0.28*	NS	NS	NS	NS	NS	NS	NS
AMH/FSH	64	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Inh B/AMH	64	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.25*	NS
INSL3/LH	62	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
≥6 years														
FSH	18	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
LH	18	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
T	18	0.55*	NS	NS	NS	NS	0.54*	NS	NS	NS	NS	NS	NS	NS
E2	17	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
DHT	16	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Inh B	18	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
AMH	18	NS	0.51*	0.48*	NS	NS	NS	0.51*	0.49*	NS	NS	NS	NS	NS

INSL 3	13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
T/LH	18	NS	NS	NS	NS	NS	0.48*	NS	NS	NS	NS	NS	NS	NS
Inh B/FSH	18	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
AMH/FSH	18	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Inh B/AMH	18	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
INSL3/LH	13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

*p <0.5, **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; 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.