

Table S1a. Comparisons of hormones levels between UDT and Control groups in the studied prepubertal boys below and above the 6th year of age.

Hormones	<6. year		≥6. year	
	Control N=36	UDT N=72	Control N=21	UDT N=18
	Mean±SD Median Min-Max	Mean±SD Median Min-Max	Mean±SD Median Min-Max	Mean±SD Median Min-Max
FSH (U/l)	0.9±0.3 0.7 0.7-1.6	1.3±0.8^a 1.0 0.7-4.1	1.2±0.6^c 1.1 0.7-2.7	1.1 ±0.6 0.9 0.2-2.6
LH (U/l)	0.2±0.1 0.2 0.2-0.5	0.4±0.4^a 0.2 0.2-2.1	0.5±0.4^c 0.3 0.2-1.7	0.2±0.1^{b, d} 0.2 0.2-0.5
T (nmol/l)	0.2±0.0 0.2 0.2-0.3	0.2±0.0 0.2 0.2-0.3	0.3±0.2^c 0.2 0.2-0.8	0.3±0.2^d 0.2 0.2-0.7
E2 (pmol/l)	40.2±12.2 37.9 23.3-67.0	45.9±19.4 41.1 23.0-105.2	41.4±20.1 35.1 23.3-99.6	39.1±11.0 42.9 23.3-55.1
DHT (pg/ml)	105.6±121.4 64.0 17.0-500.0	78.1±84.0 55.0 10.0-469.0	185.8±145.2^c 172.0 9.0-464.0	177.3±130.7^d 150.5 35.0-438.0
Inh B (pg/ml)	133.8±84.0 137.9 3.1-344.4	122.3±72.5 103.8 10.1-322.9	115.3±66.8 101.0 24.8-228.8	67.0±45.9^{b, d} 61.0 6.7 -146.7
AMH (ng/ml)	97.0±76.9 82.0 13.6-240.0	97.6±77.6 92.0 12.6-335.0	73.8±61.0 62.0 13.0-198.0	85.4±78.0 81.0 13.6 -287.0
INSL3 (pg/ml)	17.3±13.8 13.9 5.6-75.0	19.1±7.6 20.6 5.8-32.1	15.2±9.8 11.2 5.7-33.9	12.9±7.1^d 10.5 5.8-25.1
T/LH	0.8 ±0.1 0.8 0.4-0.8	0.6±0.3^a 0.8 0.1-1.5	0.8±0.4 0.8 0.2-1.7	1.2±0.6^{b, d} 0.8 0.5-3.0
Inh B/FSH	168.1±126.6 134.6 4.7-521.8	120.2±102.4^a 97.1 5.9-489.2	109.4±72.9 67.8 34.9-251.2	95.5±136.1 59.2 4.1-594.9
AMH/FSH	129.7±110.9 97.7 10.5-363.6	91.8±89.4 76.5 6.1-384.4	73.8±71.7 60.4 5.2-300.0	94.8±86.1 74.8 8.9-337.5
Inh B/AMH	3.6±4.5 1.4 0.0-18.7	3.2±4.4 1.1 0.1-23.4	3.9±4.7 2.0 0.2-17.4	1.4±1.6^b 0.7 0.1-7.0
INSL3/LH	75.7±62.9 53.5 21.9-347.2	61.1±36.2 50.9 4.9-148.1	42.4±29.1^c 33.1 4.9-108.2	47.8±34.1 36.1 17.0-98.1

p <0.05, a—Control (<6 y.) vs UDT (< 6 y.); b—Control (≥6 y.) vs UDT (≥6 y.); c—Control (<6 y.) vs Control (≥6 y.); d—UDT (<6 y.) vs UDT (≥6 y.); U Mann-Whitney test. Statistically significant data are in bold. Abbreviations: AMH—antimüllerian hormone, DHT—dihydrotestosterone, E2—estradiol, FSH—follicle stimulating hormone, Inh B—inhibin B, INSL 3—insulin like protein 3, LH—luteinizing hormone, N—number of cases, T—testosterone.