

Supplementary Table 1. Clinical characteristics between normal K-WISC-IV score group and abnormal K-WISC score group

Variable	Patients with TS (n=16)		P-value
	Abnormal score group (n=8)	Normal score group (n=8)	
Age (mo)	123 (98.3, 163.8)	132 (94.5, 154.7)	>0.999 [†]
Chromosome type			0.282 [‡]
45,X	1 (12.5)	4 (50.0)	
Mosaicism	7 (87.5)	4 (50.0)	
Growth hormone treatment	8 (100.0)	8 (100.0)	>0.999 [†]
Estrogen treatment	2 (25.0)	1 (12.5)	>0.999 [†]
Comorbidity	3 (37.5)	3 (37.5)	>0.999 [†]

Values are presented as median (quartile 1, quartile 3) or number (%).

K-WISC-IV, Korean Wechsler Intelligence Scale for Children-IV; TS, Turner syndrome.

Abnormal score means borderline or deficit score on the K-WISC-IV.

[†]P-value is calculated by Mann-Whitney U-test. [‡]P-value is calculated by Fisher exact test.

Supplementary Table 2. RKMT and CCTT scored in girls with TS compared with age-matched controls

Variable	Patients with TS		Control		P-value
	No. of subjects	Mean±SD	No. of subjects	Mean±SD	
MQ [†]	14	89.29±21.97	14	99.14±22.38	0.250
Drawing [‡]	14	6.93±3.38	14	10.21±3.19	0.014
CCTT1 [§]	17	38.18±15.67	17	47.00±12.60	0.102
CCTT2 [§]	17	45.88±11.50	17	49.44±11.70	0.371

RKMT, Rey-Kim Memory Test; CCTT, Children's Color Trails test; TS, Turner syndrome; SD, standard deviation; MQ, memory quotient

Scaled scores are obtained using age-based neurocognitive test norms.

[†]T score (<70, deficit; 70–79, borderline; and >90, average). [‡]T score (<4, impairment; 5–6, borderline; 7–8, low average; and >9, average).

[§]T score (<34, impairment; 35–39, borderline; 40–44, low average; 45–54, average; and >55, high average).

Supplementary Table 3. Social Maturity Scale score in girls with TS compared with age-matched controls

Variable	Patients with TS (n=20)	Control (n=20)	P-value
Social age	9.12±3.41	9.9±3.52	0.488
SQ	97.32±11.62	111.68±7.06	<0.001

Values are presented as mean±standard deviation.

TS, Turner syndrome; SQ, social quotient.

Scaled scores are obtained using age-based neurocognitive test norms.

SQ score (<70, deficit).

Supplementary Table 4. PedQL score in girls with TS compared with age-matched controls

Variable	Patients with TS (n=14)	Control (n=16)	P-value
Patients with TS			
Physical	79.5 (72.0, 100.0)	84.0 (72.0, 92.5)	0.783
Emotional	75.0 (55.0, 95.0)	82.5 (65.0, 100.0)	0.515
Social	90.0 (65.0, 95.0)	97.5 (85.0, 100.0)	0.103
School	90.0 (80.0, 100.0)	85 (82.5, 92.5)	0.365
Parents			
Physical	94.0 (56.0, 100.0)	95.5 (91.0, 100.0)	0.355
Emotional	77.5 (55.0, 90.0)	97.5 (72.5, 100.0)	0.119
Social	82.5 (55.0, 95.0)	100.0 (100.0, 100.0)	0.002
School	85.0 (60.0, 95.0)	100.0 (95.0, 100.0)	0.004

Values are presented as median (quartile 1, quartile 3).

PedQL, Pediatric Quality of Life Inventory; TS, Turner syndrome.