

**Supplementary Table 1.** Patients' diagnosis (or genital/anatomic phenotype).

<b>DSD Category</b>	<b>Gender of rearing</b>	<b>DSD Diagnosis</b>	<b><u>n</u></b>	<b>%</b>
<b>46, XY</b>	Girl	complete androgen insensitivity syndrome	7	10
		complete gonadal dysgenesis (CGD; MAP3K1-related)	4	6
		CGD (SRY-related)	1	1
		CGD (unspecified)	5	7
		17-beta hydroxysteroid dehydrogenase 3 deficiency	2	3
		partial androgen insensitivity syndrome	2	3
		partial gonadal dysgenesis	3	4
	Boy	17-beta hydroxysteroid dehydrogenase 3 deficiency	1	1
		anorchia	1	1
		proximal hypospadias	5	7
		partial androgen insensitivity syndrome <sup>b</sup>	2	3
		anorectal malformation: cloacal exstrophy	3	4
		Subtotal	36	50.0
		<b>46, XX</b>	Girl	Mayer-Rokitansky-Küster-Hauser syndrome
primary ovarian failure	1			1
anorectal malformation: cloacal exstrophy	5			7
OHVIRA <sup>c</sup>	1			1
VACTERL <sup>d</sup>	2			3
21-OH congenital adrenal hyperplasia	12			17
ovotesticular DSD	2			3
Boy	testicular DSD (dup SOX9)		1	1
	Subtotal		26	36.1
	<b>Sex chromosome DSD<sup>a</sup></b>		Girl	isodicentric Y chromosome
partial gonadal dysgenesis		4		6
Boy		isodicentric Y chromosome	1	1
		mixed gonadal dysgenesis	2	3
		Klinefelter syndrome	2	3
Subtotal	10	13.8		

<sup>a</sup> 45,X/46,XY; 45,X/46,Xidic(Y); 47,XXY; 48,XXXY

<sup>b</sup> The karyotype for one patient with PAIS was 47, XYY, but this was noted by the geneticist as not etiologically responsible for the DSD (PAIS) so the patient is classified as 46, XY DSD.

<sup>c</sup> OHVIRA: Obstructed Hemi-Vagina with Ipsilateral Renal Agenesis; <sup>d</sup> VACTERL, Vertebral defects, Anal atresia, Cardiac defects, BrachioEsophageal fistula, Renal anomalies, and Limb abnormalities

**Supplementary Table 2.** Patient characteristics and associations with Multidimensional Gender Identity Scale (MGIS) scores.

		Mean	Range	Gender Typicality		Gender Contentedness		Felt Pressure	
Age (yrs)		12.9	8.2 - 19.3	r = .17 <sup>ns</sup>		r = -.12 <sup>ns</sup>		r = -.05 <sup>ns</sup>	
		<u>n</u>	%	Mean ± SD	<u>p</u>	$\bar{x}$ ± SD	<u>p</u>	$\bar{x}$ ± SD	<u>p</u>
<b>Gender</b>	Girl	54	75.0	2.47 ± 0.76		3.64 ± 0.60		1.59 ± 0.51	
	Boy	18	25.0	2.79 ± 0.73	ns	3.69 ± 0.37	ns	2.09 ± 0.88	*
<b>Sex Chromosomes</b>	46,XY	36	50.0	2.46 ± 0.77		3.54 ± 0.59		1.81 ± 0.75	
	46,XX	26	36.1	2.55 ± 0.80	ns	3.79 ± 0.52	ns	1.62 ± 0.56	ns
	Other arrangements	10	13.9	2.86 ± 0.60		3.68 ± 0.37		1.60 ± 0.51	
<b>Race<sup>†</sup></b>	American Indian or Alaskan Native	3	4.3	White		White		White	
	Asian	2	2.8	2.6 ± 0.71		3.7 ± 0.37		1.7 ± 0.57	
	Black/African American	3	4.3	non-White	ns	non-White	ns	non-White	ns
	Nat. Hawaiian/Oth. Pacific Islander	1	1.4	2.2 ± 0.93		3.2 ± 1.18		2.1 ± 1.03	
	White	61	87.1						
	Missing	2							
<b>Ethnicity</b>	Hispanic / Latino	16	22.9	Hispanic		Hispanic		Hispanic	
	Not Hispanic / Latino	54	77.1	2.93 ± 0.72	*	3.81 ± 0.32	ns	1.97 ± 0.74	ns
				non-Hispanic		non-Hispanic		non-Hispanic	
			2.47 ± 0.73		3.60 ± 0.60		1.6 ± 0.62		
	Missing	2							

\* p < 0.05; ns = statistically nonsignificant

<sup>†</sup> Percentages adjusted for missing data

**Supplementary Table 3.** Age at and interval between initial questionnaire administration.

SPP version		Age at SPP (yrs)			Age at MGIS <sup>3</sup> (yrs)			Age at BIS <sup>4</sup> (yrs)		
		<u>n</u>	$\bar{x}^{\text{age}}$	SD	<u>n</u>	$\bar{x}^{\text{age}}$	SD	<u>n</u>	$\bar{x}^{\text{age}}$	SD
<b>Girl</b>	Child <sup>1</sup>	22	11.06	1.26	24	10.95	1.33	44	13.63	2.62
	Adolescent <sup>2</sup>	21	15.84	1.37	30	15.48	2.15			
<b>Boy</b>	Child	10	10.56	1.68	12	10.51	1.66	13	13.17	1.83
	Adolescent	5	15.16	1.98	6	14.95	1.93			

Interval (days) between completion of MGIS and SPP					Interval (days) between completion of MGIS and BIS				
		<u>n</u>	$\bar{x}^{\text{days}}$	SD			<u>n</u>	$\bar{x}^{\text{days}}$	SD
<b>Girl</b>	Child	22	31.41	133.89	<b>Girl</b>	Child	18	76.17	171.36
	Adolescent	21	37.76	316.74		Adolescent	26	17.88	87.18
<b>Boy</b>	Child	10	15.50	246.60	<b>Boy</b>	Child	7	381.57	688.63
	Adolescent	5	42.60	85.55		Adolescent	6	172.83	423.35

SPP, Self-Perception Profile; MGIS, Multidimensional Gender Identity Scale; BIS, Body Image Scale

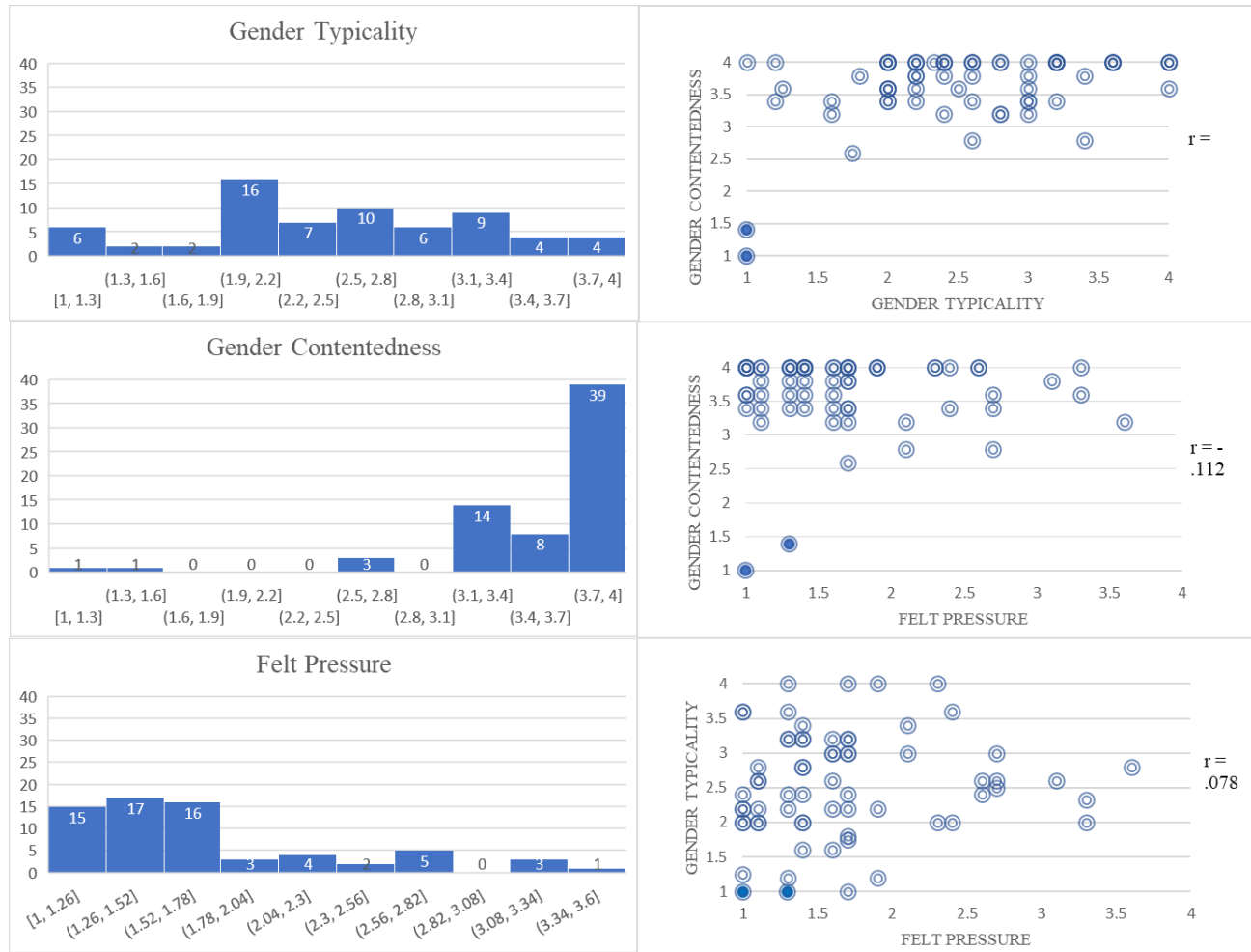
<sup>1</sup> Child version of SPP is administered to those 8-13 yrs

<sup>2</sup> Adolescent version of SPP is administered to those 14+ yrs

<sup>3</sup> MGIS is administered to those older than 8 years old

<sup>4</sup> BIS is administered to girls 10+ yrs and boys 13+ yrs

**Supplementary Figure 1.** Distribution of Multidimensional Gender Identity Scale (MGIS) scores and intercorrelations.



Graphs on left illustrate the distribution of scores and graphs on right the correlation among MGIS dimensions. No significant correlation between any two MGIS dimensions could be found after removing two patients with extreme outlier scores on Gender Contentedness (colored dots).