

A) BPS vs. HC contrast

B) Blinded exam contrast

within BPS participants

	<u>HC (n=41)</u>	<u>BPS (n=20)</u>	<u>P-value</u>	<u>Nonpatients</u> <u>(n=7)</u>	<u>Patients</u> <u>(n=13)</u>	<u>P-Value</u>
<u>Width of the vaginal opening</u>						
One Finger	33 (80.5%)	11 (55.0%)	0.950	3 (42.9%)	8 (61.5%)	0.636
Two Fingers	8 (19.5%)	8 (40.0%)		3 (42.9%)	5 (38.5%)	
Two Fingers, Can Wiggle	0 (0.0%)	1 (5.0%)		1 (14.3%)		
<u>Genital hiatus (cm)</u>	1.04 (0.07)	1.01 (0.08)	0.795	1.02 (0.21)	1.03 (0.08)	0.872
<u>Perineal body (cm)</u>	2.01 (0.06)	2.00 (0.08)	0.923	2.07 (0.14)	1.92 (0.10)	0.371
<u>Ability to relax PFM after contraction</u>						
100% Relaxation	34 (82.9%)	18 (90.0%)	0.464	6 (85.7%)	12 (92.3%)	0.634
Some Relaxation	7 (17.1%)	2 (10.0%)		1 (14.3%)	1 (7.7%)	
<u>General PFM strength</u>						
0 (unable to contract)	9 (22.0%)	1 (5.0%)	0.465	1 (14.3%)	0 (0.0%)	0.372
1	11 (26.8%)	3 (15.0%)		1 (14.3%)	2 (15.4%)	
2	6 (14.6%)	4 (20.0%)		0 (0.0%)	4 (30.8%)	
3	8 (19.5%)	7 (35.0%)		3 (42.9%)	4 (30.8%)	
4	6 (14.6%)	5 (25.0%)		2 (28.64%)	3 (23.0%)	
5 (strong contraction)	1 (2.4%)	0 (0.0%)		0 (0.0%)	0 (0.0%)	

<u>Uterine mobility</u>	Yes	40 (97.6%)	17 (85.0%)	0.63	6 (85.7%)	11 (84.6%)	0.950
<u>Uterine size</u>	Normal	40 (97.6%)	20 (100.0%)	.481	7 (100.0%)	13 (100.0%)	0.999
	Enlarged	1 (2.4%)	0 (0.0%)				
<u>Vaginal tenderness *</u>		0.1 (0.1)	0.6 (0.3)	0.052	1.1 (0.6)	0.3 (0.3)	0.199
<u>Abdominal tenderness</u>		0.0 (0.0)	1.5 (0.4)	<0.001	2.0 (0.6)	1.8 (0.4)	0.718
<u>Pubic tenderness</u>		0.9 (0.3)	3.1 (0.6)	<0.001	4.0 (1.0)	2.3 (0.7)	0.171
<u>SIJ tenderness</u>		0.0 (0.0)	1.0 (0.5)	0.005	1.9 (1.2)	0.5 (0.4)	0.481
<u>Iliococcygeus tenderness</u>		1.0 (0.3)	2.8 (0.6)	0.004	4.1 (1.3)	2.0 (0.6)	0.102
<u>Bladder tenderness</u>		1.1 (0.3)	3.3 (0.9)	0.005	3.4 (1.2)	2.9 (0.9)	0.738
<u>Urethral tenderness</u>		0.7 (0.3)	2.7 (0.7)	0.003	2.6 (1.2)	1.9 (0.7)	0.621
<u>Uterine tenderness</u>		1.2 (0.4)	4.7 (0.8)	<0.001	5.1 (1.4)	3.9 (0.8)	0.416
<u>Tampon test</u>		0.7 (0.2)	3.1 (0.5)	<0.001	3.4 (1.3)	2.8 (0.6)	0.639

Supplemental Table 1: Comparative pelvic exam characteristics of women with BPS vs. healthy controls, including blinding comparison

The mean (SEM - standard error of the mean) or sample size (percentage) for each item among healthy controls (HC) or women with BPS. In A) P-values are shown for differences between HC and BPS. In B) Group average or sample sizes of BPS patients that are patients of the examiners (n=13) vs. non-patients (n=7) are also shown. P-values are shown for differences between patients and non-patients. HC healthy controls, BPS bladder pain syndrome, PFM – pelvic floor muscle, SIJ – sacroiliac joint, * - all tenderness is on 0-10 numeric rating scale

Supplemental Figure 1. Enrollment table for dysmenorrhea clinical characteristics study.

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