

**Supplementary Table 1:** Validated questionnaire scores based on white and non-white ethnicities.

Linear regression model, adjusted for age category, level of education, marital status and parity.

	White Ethnicity (n=17) (Reference)	Non-white Ethnicity (n=98)	Adjusted coefficient (95% CI)	p-value
HADS Anxiety score	11 (8-12) <sup>†</sup>	11 (8-14) <sup>†</sup>	1.189 (-1.994 - 4.371)	0.460
HADS Depression score	3 (2.5-8) <sup>†</sup>	7 (4-10) <sup>†</sup>	1.429 (-1.340- 4.198)	0.308
BICI	71 (55.5-82.5) <sup>†</sup>	56 (42-74) <sup>†</sup>	-6.873 (-20.538-6.791)	0.320
BAOP	16.5 (13.5-19.8) <sup>†</sup>	15 (12.5-17.5) <sup>†</sup>	-1.113 (-4.053-1.827)	0.453
FSFI Overall	23.2 (11.8-26.5) <sup>†</sup>	18.5 (6.9-24.9) <sup>†</sup>	-0.881 (-7.316- 5.554)	0.786
FSFI Desire	2.7 (1.95-3.6) <sup>†</sup>	3.6 (2.4-3.9) <sup>†</sup>	0.171 (-0.623-0.966)	0.668
FSFI Arousal	3.5 (1.8-4.2) <sup>†</sup>	3.3 (0.0-4.2) <sup>†</sup>	-0.369 (-1.726- 0.989)	0.590
FSFI Lubrication	4.7 (3.2-5.9) <sup>†</sup>	3.6 (0.0-5.1) <sup>†</sup>	-0.178 (-1.905- 1.549)	0.838
FSFI Orgasm	4.0 (1.5-5.5) <sup>†</sup>	2.8 (0.0-5.0) <sup>†</sup>	-0.320 (-1.990- 1.350)	0.703
FSFI Satisfaction	3.4 (1.7-5.1) <sup>†</sup>	3.6 (2.0-4.8) <sup>†</sup>	0.460 (0-.671- 1.592)	0.420
FSFI Pain	4.4 (2.5-6) <sup>†</sup>	0.0 (0.0-4.2) <sup>†</sup>	-0.646 (-2.070- 0.778)	0.369

<sup>†</sup> Median (IQR); <sup>‡</sup> Frequency, n (%), HADS- Hospital Anxiety and Depression Scale, BICI- Body Image Concern Inventory, BAOP- Belief About Obese Persons, FSFI- Female Sexual Function Index.

**Supplementary Table 2:** *Diagnoses of Anxiety and Depression (based on hospital anxiety and depression scores) and body dysmorphic disorder (based on body image concern inventory) in people with polycystic ovary syndrome of white and non-white ethnicities. Logistic regression model, adjusted for age category, level of education, marital status and parity.*

	<b>White Ethnicity</b> (n=17) (Reference)	<b>Non-white Ethnicity</b> (n=98)	<b>Adjusted Odds Ratio</b> (95% CI)	<b>p-value</b>
Anxiety	9 (52.9%)	56 (57.1%)	8.158 (0.945 - 70.461)	0.056
Depression	1 (5.9 %)	18 (18.4%)	4.324 (0.291- 64.158)	0.287
Body Dysmorphic Disorder	7 (41.2%)	27 (27.6%)	0.486 (0.066- 3.568)	0.478