

**Supplementary Table 2** – Comparison between LEEP subgroup (n = 78) and CO2-laser subgroup (n = 87)

<b>Characteristic</b>	<b>LEEP (n = 78)</b>	<b>CO2-laser (n = 87)</b>	<b>p</b>
<b>Age (years)</b>	35.5 ± 7.4	35.3 ± 6.6	0.86
<b>BMI (kg/m<sup>2</sup>)</b>	22.2 ± 3.4	22.5 ± 4.1	0.61
<b>Number of previous pregnancies</b>	0 (0 - 1)	1 (0 – 2)	0.19
<b>Nulliparous (%)</b>	37 (47.4)	39 (44.8)	0.86
<b>Tobacco use (%)</b>	23 (29.5)	31 (35.6)	0.50
<b>OC use (%)</b>	22 (28.2)	23 (26.4)	0.93
<b>Type of cervical excision (%)</b>			
Type 1	33 (42.3)	37 (42.5)	0.90
Type 2	25 (32.1)	32 (36.8)	0.64
Type 3	20 (25.6)	18 (20.7)	0.57
<b>Cone length (mm)</b>	11.4 ± 4.3	13.0 ± 4.2	0.02
<b>Cone volume (cm<sup>3</sup>)</b>	2.2 ± 1.3	2.9 ± 2.2	0.02
<b>Final histology of the cone specimen (%)</b>			
Negative	4 (5.1)	6 (6.9)	0.88
CIN 1	10 (12.8)	9 (10.3)	0.80
CIN 2	29 (37.2)	32 (36.8)	0.91
CIN 3	35 (44.9)	40 (46.0)	0.99
<b>Positive endocervical margin (%)</b>	17 (21.8)	9 (10.3)	0.07
<b>Positive ectocervical margin (%)</b>	4 (5.1)	3 (3.4)	0.88
<b>Baseline cervical length (mm)</b>	29.8 ± 5.2	29.7 ± 9.3	0.93
<b>Baseline cervical volume (cm<sup>3</sup>)</b>	16.1 ± 5.7	14.6 ± 10.2	0.25
<b>Excised length (%)</b>	39.1 ± 15.8	47.7 ± 17.7	< 0.01
<b>Excised volume (%)</b>	15.0 ± 10.3	24.9 ± 20.0	< 0.01
<b>Cervical length at six months (mm)</b>	28.5 ± 5.3	28.3 ± 9.2	0.87
<b>Cervical volume at six months (cm<sup>3</sup>)</b>	15.8 ± 5.7	14.1 ± 10.1	0.19
<b>Length regeneration (%)</b>	90.1 ± 6.0	89.0 ± 6.6	0.27
<b>Volume regeneration (%)</b>	88.3 ± 10.9	84.5 ± 14.8	0.06

Data are n (%), mean ± SD or median (IQR) as appropriate