

Supplement 2. Comparison of seminal variables in the pathogen-infected and non-infected groups

	HPV non-infected (n=375)/ infected (n=6)	<i>Uu</i> non-infected (n=317)/ infected (n=64)	<i>Ct</i> non-infected (n=378)/ infected (n=3)	<i>Mh</i> non-infected (n=364)/ infected (n=17)	<i>Mg</i> non-infected (n=376)/ infected (n=5)	Any pathogen non-infected (n=297)/ infected (n=84) ^{a)}
Semen volume (mL)	2.96 ± 1.44/ 3.35 ± 1.12	2.95 ± 1.46/ 2.99 ± 1.31	2.96 ± 1.44/ 3.17 ± 1.26	2.97 ± 1.45/ 2.82 ± 0.95	2.98 ± 1.43/ 1.76 ± 1.25	2.98 ± 1.48/ 2.90 ± 1.27
Total sperm count (× 10 ⁶)	246.34 ± 188.68/ 206.62 ± 165.69	246.68 ± 190.40/ 240.94 ± 178.32	246.44 ± 188.69/ 153.39 ± 80.57	246.66 ± 190.49/ 225.44 ± 132.75	247.37 ± 188.71/ 121.13 ± 85.09	249.90 ± 192.74/ 230.57 ± 171.31
Sperm concentration (× 10 ⁶ /mL)	84.30 ± 51.45/ 63.84 ± 49.68	84.75 ± 52.55/ 80.15 ± 45.62	84.27 ± 51.51/ 46.72 ± 6.50	84.12 ± 51.83/ 80.91 ± 42.96	84.10 ± 51.49/ 74.40 ± 49.84	85.15 ± 52.97/ 79.42 ± 45.77
Sperm motility (%)	53.87 ± 18.26/ 52.14 ± 21.84	53.79 ± 18.33/ 54.15 ± 18.22	53.82 ± 18.35/ 58.29 ± 3.35	53.82 ± 18.43/ 54.58 ± 15.34	53.76 ± 18.38/ 60.74 ± 6.15	53.69 ± 18.57/ 54.14 ± 17.29
Sperm morphology (%)	3.63 ± 3.53/ 2.83 ± 2.14	3.75 ± 3.57/ 2.95 ± 3.16	3.62 ± 3.52/ 3.00 ± 2.65	3.56 ± 3.47/ 4.71 ± 4.38	3.61 ± 3.53/ 3.80 ± 2.28	3.71 ± 3.54/ 3.24 ± 3.42

Values are presented as mean ± standard deviation. Mann-Whitney *U*-test was used for the comparisons. All *p*-values are not significant. HPV, human papillomavirus; *Uu*, *Ureaplasma urealyticum*; *Ct*, *Chlamydia trachomatis*; *Mh*, *Mycoplasma hominis*; *Mg*, *Mycoplasma genitalium*.

^{a)}Any infection with HPV, *Uu*, *Ct*, *Mh*, or *Mg*.