

Supplementary Table SII Distribution of semen parameters and hormone concentrations.

Semen Quality Parameters 662 Men (1143 Semen Samples)	Mean (SD), [Range]	Median (IQR)	<WHO Lower Reference Limits n, %^a
Ejaculate volume, mL	2.94 (1.47), [0.2, 11]	2.80 (1.80)	169 (15)
Sperm concentration, million/mL	82.9 (78.7), [1.2, 750]	62.2 (84.8)	112 (10)
Total sperm count, million	219 (213), [1.35, 2359]	156 (222)	108 (9)
Total Sperm Motility, %	48 (22.2), [0, 97]	49 (35.92)	417 (36)
Sperm Progressive Motility, %	28.6 (15), [0, 83]	27.59 (22.47)	677 (59)
Sperm morphology, % normal	6.64 (3.74), [0, 24]	6 (5)	238 (21)
Sperm DNA Damage, 296 Men			
Comet extent, μm	130 (38.0), [47.6, 249]	127 (47.7)	–
Comet Tail DNA, %	32.2 (14.9), [9.90, 79.7]	27.6 (22.9)	–
Comet Tail distributed moment, μm	57.1 (14.6), [25.7, 107]	55.7 (19.5)	–
Comet Cells with high DNA damage, n	7.86 (11.6), [0, 95.0]	4.00 (10.0)	–
Hormone Concentrations, 317 Men			
FSH, IU/L	8.98 (5.81), [1.14, 41.8]	7.49 (4.73)	–
LH, IU/L	10.9 (5.3), [0.85, 47.5]	9.71 (6.00)	–
Inhibin-B, pg/mL	172 (77.8), [7.80, 702]	165 (82.5)	–
Estradiol, pg/mL	29.1 (12.6), [10.0, 71.0]	29.0 (13.0)	–
Total Testosterone, ng/dL	422 (139), [148, 1158]	401 (158)	–
SHBG, nmol/L	28.0 (11.9), [6.50, 98.6]	26.0 (13.9)	–

Abbreviations: SD; standard deviation; IQR, interquartile range; WHO; World Health Organization, FSH; follicle stimulating hormone, LH; luteinizing hormone, and SHBG; sex hormone-binding globulin.

^aWHO lower reference limits (2010): ejaculate volume <1.5 mL; sperm concentration <15 million/mL; total sperm count <39 million; total motile sperm <40%; progressive motile sperm <32%, and normal sperm morphology <4% using 'strict' Tygerberg method.