

**Table I.** Mean (SD) of age and semen parameters by selected characteristics of the participants

Variable	n (%) <sup>a</sup>	Age (years)	Volume (ml)	Concentration (10 <sup>6</sup> /ml)	Total count (10 <sup>6</sup> )	Motility (%)	Progressive motility (%)	Total progressively motile sperm count (10 <sup>6</sup> )
Abstinence								
2–5 days	73 (75)	44.5 (15.6)	2.6 (1.4)	120.4 (121.2)	304.6 (336.4)	39.8 (20.3)	23.0 (15.9)	82.4 (102.5)
>5 days	24 (25)	52.4 (15.8) <sup>c</sup>	3.2 (1.6)	187.3 (156.8) <sup>c</sup>	603.6 (517.4) <sup>d</sup>	28.9 (20.7) <sup>c</sup>	17.6 (16.3)	126.7 (179.4)
Time to sample processing								
<45 min	51 (53)	45.9 (15.2)	2.9 (1.5)	129.8 (128.4)	384.8 (460.6)	41.0 (21.9)	24.5 (17.6)	108.8 (153.9)
>45 min	46 (47)	47.1 (16.7)	2.7 (1.4)	144.9 (139.4)	371.8 (343.4)	33.9 (18.6)	18.6 (13.7)	75.1 (80.8)
Tobacco use								
Never	70 (72)	43.8 (15.5)	3.2 (1.5)	124.5 (101.7)	417.2 (419.0)	38.9 (21.1)	23.7 (16.6)	107.6 (137.0)
Ever	27 (28)	53.2 (15.4) <sup>d</sup>	1.9 (1.1) <sup>e</sup>	169.4 (191.3)	278.5 (363.2) <sup>e</sup>	32.8 (19.9)	16.2 (13.4)	52.7 (74.3) <sup>c</sup>
Alcohol								
Never	34 (35)	49.2 (15.3)	3.3 (1.4)	115.0 (107.1)	391.5 (350.5)	33.4 (20.7)	20.3 (16.9)	75.1 (67.6)
Ever	63 (65)	45.0 (16.2)	2.5 (1.4) <sup>d</sup>	148.8 (144.9)	371.7 (437.3)	38.8 (20.3)	22.5 (15.7)	102.6 (147.4)
BMI (kg/m <sup>2</sup> )								
20–25	47 (48)	45.4 (16.4)	2.6 (1.4)	128.8 (140.6)	342.0 (400.9)	35.2 (23.3)	20.3 (17.8)	74.2 (100.2)
>25	50 (52)	47.5 (15.6)	3.0 (1.6)	144.7 (108.6)	413.1 (414.1)	39.2 (18.1)	23.0 (14.4)	110.4 (143.8)
Hypertension								
Never	81 (84)	44.0 (15.6)	2.9 (1.5)	144.1 (132.8)	413.4 (425.4)	38.7 (20.6)	22.7 (16.1)	102.4 (132.5)
Ever	16 (16)	59.0 (10.9) <sup>c</sup>	2.4 (1.4)	100.9 (133.7)	202.6 (237.5) <sup>d</sup>	29.1 (20.8)	16.2 (15.3)	39.2 (45.4) <sup>c</sup>
UTI <sup>b</sup>								
Never	85 (88)	45.6 (16.2)	2.9 (1.5)	139.7 (130.9)	401.8 (423.2)	39.2 (20.4)	23.1 (16.4)	101.3 (131.0)
Ever	12 (12)	52.6 (12.9)	2.3 (1.3)	117.6 (154.0)	214.4 (215.1)	23.7 (19.5) <sup>d</sup>	12.5 (10.4) <sup>c</sup>	35.9 (48.9) <sup>c</sup>

BMI = body mass index; UTI = urinary tract infection.

<sup>a</sup>n = 97 for age, volume, concentration, total count; n = 93 for motility, progressive motility, and total progressively motile sperm.<sup>b</sup>Includes infections of the bladder and kidney.<sup>c</sup>P < 0.05 for t-tests (volume, motility) or Mann–Whitney tests (concentration, count, progressive motility, total progressively motile sperm).<sup>d</sup>P < 0.01.<sup>e</sup>P < 0.001.