

**Supplement Table 1.** Characteristics of controls and PCa cases according to EF a year before the interview in the CAPLIFE study

EF (ejaculations/mo)	Controls			PCa cases			p-value <sup>a</sup>
	0-3	4	>4	0-3	4	>4	
Total	225 (52.7)	91 (21.3)	111 (26.0)	300 (65.8)	87 (19.1)	69 (15.1)	
Age (y)	70.0 (64.1-74.2)	65.2 (60.6-69.4)	61.7 (53.6-66.6)	70.0 (64.8-75.0)	65.8 (59.8-69.4)	72.1 (67.0-74.3)	0.001
40-54	4 (1.8)	6 (6.6)	31 (27.9)	8 (2.7)	9 (10.3)	11 (15.9)	
55-69	108 (48.0)	63 (69.2)	63 (56.8)	140 (46.7)	61 (70.1)	45 (65.2)	
70-80	113 (50.2)	22 (24.2)	17 (15.3)	152 (50.6)	17 (19.6)	13 (18.9)	
Education							0.011
Primary	75 (33.3)	20 (22.0)	26 (23.4)	109 (36.3)	20 (23.0)	12 (17.4)	
Secondary	112 (49.8)	49 (53.8)	53 (47.8)	141 (47.0)	52 (59.8)	43 (62.3)	
University	38 (16.9)	22 (24.2)	32 (28.8)	50 (16.7)	15 (17.2)	14 (20.3)	
Marital status							0.505
Married	195 (86.7)	72 (79.1)	87 (78.4)	252 (84.0)	73 (83.9)	54 (78.3)	
Not married	30 (13.3)	19 (20.9)	24 (21.6)	48 (16.0)	14 (16.1)	15 (21.7)	
Height (cm)	169.0 (165.0-172.0)	170.0 (166.0-175.0)	172. (167.0-176.0)	169.0 (165.0-173.5)	170.0 (167.0-175.0)	171.0 (168.0-176.0)	0.011
BMI							0.868
Normal weight	39 (17.3)	16 (17.6)	20 (18.0)	61 (20.3)	17 (19.5)	17 (24.7)	
Overweight	118 (52.4)	55 (60.4)	56 (50.5)	154 (51.3)	46 (52.9)	31 (44.9)	
Obesity	68 (30.2)	20 (22.0)	35 (31.5)	85 (28.4)	24 (27.6)	21 (30.4)	
Smoking status							0.338
Never smoker	59 (26.2)	22 (24.2)	29 (26.1)	76 (25.3)	24 (27.6)	16 (23.2)	
Former smoker	128 (56.9)	50 (54.9)	60 (54.1)	160 (53.3)	51 (58.6)	34 (49.3)	
Current smoker	38 (16.9)	19 (20.9)	22 (19.8)	64 (21.4)	12 (13.8)	19 (27.5)	
Sedentary behavior (h/d)	8.0 (6.0-10.0)	6.0 (5.0-9.0)	6.0 (4.0-9.0)	7.0 (5.0-10.0)	6.0 (5.0-10.0)	7.0 (5.0-10.0)	0.451
Physical activity (MET-h/wk)	27.6 (9.0-40.4)	23.1 (9.9-34.7)	23.1 (9.9-41.6)	23.1 (6.6-34.7)	23.1 (9.9-45.0)	23.1 (4.8-40.0)	0.567
Alcohol consumption (g/d) <sup>b</sup>							0.064
0	48 (23.2)	10 (12.0)	13 (12.9)	61 (21.7)	9 (11.1)	6 (10.5)	
0-28	143 (69.1)	58 (69.9)	78 (77.2)	175 (62.3)	61 (75.3)	39 (68.4)	
≥ 28	16 (7.7)	15 (18.1)	10 (9.9)	45 (16.0)	11 (13.6)	12 (21.1)	
Energy intake (kcal/d) <sup>b</sup>	2,256.2	2,329.5	2,353.7	2,336.2	2,517.9	2,526.1	0.193
	(1,928.4-2,711.8)	(2,052.9-2,996.9)	(1,958.0-3,015.0)	(2,000.1-2,911.9)	(2,173.8-2,955.8)	(2,080.7-2,863.7)	
First-degree family history of PCa							0.139
No	201 (89.3)	82 (90.1)	99 (89.2)	243 (81.0)	63 (72.4)	50 (72.5)	
Yes	24 (10.7)	9 (9.9)	12 (10.8)	57 (19.0)	23 (26.4)	19 (27.5)	
Unknown	-	-	-	-	1 (1.1)	-	

Supplement Table 1. Continued

EF (ejaculations/mo)	Controls			PCa cases			p-value <sup>a</sup>
	0-3	4	>4	0-3	4	>4	
Diabetes mellitus							0.042
No	165 (73.3)	67 (73.6)	94 (84.7)	230 (76.7)	76 (87.4)	59 (85.5)	
Yes	59 (26.2)	24 (26.4)	17 (15.3)	70 (23.3)	11 (12.6)	10 (14.5)	
Unknown	1 (0.4)	-	-	-	-	-	
Vasectomy							0.002
Yes	210 (93.3)	85 (93.4)	93 (83.8)	283 (94.3)	77 (88.5)	56 (81.2)	
No	15 (6.7)	6 (6.6)	18 (16.2)	17 (5.7)	9 (10.3)	13 (18.8)	
Missing	-	-	-	-	1 (1.1)	-	
Urinary symptoms							0.566
Without	-	-	-	79 (26.3)	24 (27.6)	20 (29.0)	
Mild	-	-	-	112 (37.3)	32 (36.8)	33 (47.8)	
Moderate	-	-	-	84 (28.0)	25 (28.7)	13 (18.8)	
Severe	-	-	-	24 (8.0)	6 (6.9)	3 (4.4)	
Unknown	-	-	-	1 (0.3)	-	-	
ISUP							0.211
1-2	-	-	-	220 (73.3)	70 (80.5)	56 (81.2)	
3-5	-	-	-	80 (26.7)	17 (19.5)	13 (18.8)	
Stage of PCa							0.036
Localized	-	-	-	249 (83.0)	80 (92.0)	65 (94.2)	
Locally advanced	-	-	-	30 (10.0)	6 (6.9)	3 (4.4)	
Metastatic	-	-	-	21 (7.0)	1 (1.1)	1 (1.4)	

Values are presented as number (%) or median (interquartile range).

BMI: body mass index, EF: ejaculation frequency, ISUP: International Society of Urological Pathology, PCa: prostate cancer.

<sup>a</sup>Kruskal-Wallis test or chi-squared test were used to calculate the differences between EF categories in PCa cases and controls.

<sup>b</sup>Dietary information was available for a total of 391 controls and 419 PCa cases.