

**Supplementary Table 1.** Baseline characteristics of ovarian cancer patients by tertile of fiber and carbohydrates

Variables *	Fiber*			P value	Carbohydrate*			P value
	Tertile 1	Tertile 2	Tertile 3		Tertile 1	Tertile 2	Tertile 3	
Range, g	< 15.31	15.31-18.77	≥ 18.77		< 218.74	218.74-238.39	≥ 238.39	
No. of patients/deaths	234/49	234/47	235/34		234/47	234/40	235/43	
Mean (SD) age at diagnosis (years)	52.98 (10.05)	53.68 (8.96)	54.23 (9.30)	0.36	53.40 (8.87)	53.46 (9.56)	54.03 (9.91)	0.73
Mean (SD) follow-up time (months)	30.81 (16.07)	32.07 (16.70)	35.39 (16.52)	< 0.05	33.83 (16.47)	32.04 (16.29)	32.41 (16.82)	0.47
Mean (SD) body mass index (kg/m <sup>2</sup> )	23.49 (3.46)	23.01 (3.86)	23.24 (3.42)	0.36	23.29 (3.68)	23.31 (3.36)	23.14 (3.71)	0.85
Mean (SD) physical activity (MET h/d)	16.53 (12.16)	15.66 (10.78)	15.07 (10.74)	0.37	15.41 (10.54)	15.94 (11.88)	15.90 (11.32)	0.85
Ever diet change	53 (22.65)	56 (23.93)	59 (25.11)	0.82	59 (25.21)	56 (23.93)	53 (22.55)	0.80
Ever cigarette smoking	27 (11.54)	22 (9.40)	19 (8.09)	0.44	25 (10.68)	25 (10.68)	18 (7.66)	0.44
Ever alcohol drinking	63 (26.92)	45 (19.23)	41 (17.45)	< 0.05	61 (26.07)	51 (21.79)	37 (15.74)	< 0.05
Ever menopause	162 (69.23)	164 (70.09)	182 (77.45)	0.10	160 (68.38)	171 (73.08)	177 (75.32)	0.23
Parity, n (%)				0.05				1.00
≤ 1	182 (77.78)	162 (69.23)	161 (68.51)		168 (71.79)	168 (71.79)	169 (71.91)	
≥ 2	52 (22.22)	72 (30.77)	74 (31.49)		66 (28.21)	66 (28.21)	66 (28.09)	
Educational level, n (%)				0.13				0.37
Junior secondary or below	113 (48.29)	126 (53.85)	136 (57.87)		114 (48.72)	127 (54.27)	134 (57.02)	
Senior high school/technical secondary school	61 (26.07)	47 (20.09)	39 (16.60)		52 (22.22)	52 (22.22)	43 (18.30)	
Junior college/university or above	60 (25.64)	61 (26.07)	60 (25.53)		68 (29.06)	55 (23.50)	58 (24.68)	
Income per month (Yuan), n (%)				0.35				0.54
< 5000	136 (58.12)	149 (63.68)	136 (57.87)		142 (60.68)	137 (58.55)	142 (60.43)	
5000 to <10000	73 (31.20)	55 (23.50)	66 (28.09)		59 (25.22)	65 (27.78)	70 (29.79)	
≥ 10000	25 (10.68)	30 (12.82)	33 (14.04)		33 (14.10)	32 (13.67)	23 (9.78)	
Histological type, n (%)				0.08				0.40
Serous	156 (66.67)	172 (73.50)	151 (64.26)		155 (66.24)	156 (66.67)	168 (71.49)	
Non-serous	78 (33.33)	62 (26.50)	84 (35.74)		79 (33.76)	78 (33.33)	67 (28.51)	
Histopathologic grade, n (%)				0.41				0.77
Well differentiated	18 (7.69)	18 (7.69)	20 (8.51)		17 (7.26)	17 (7.26)	22 (9.36)	
Moderately differentiated	18 (7.69)	10 (4.27)	20 (8.51)		15 (6.41)	19 (8.12)	14 (5.96)	
Poorly differentiated	198 (84.62)	206 (88.03)	195 (82.98)		202 (86.32)	198 (84.62)	199 (84.68)	

FIGO stage, n (%)				0.45				0.97
I-II	118 (50.43)	106 (45.30)	118 (50.21)		112 (47.86)	116 (49.57)	114 (48.51)	
III-IV	107 (45.73)	123 (52.56)	108 (45.96)		115 (49.15)	111 (47.44)	112 (47.66)	
Mean (SD) total energy intake (kcal/d)	1528.04 (564.25)	1322.71 (516.17)	1516.26 (554.38)	< 0.05	1491.95 (650.31)	1353.62 (450.58)	1521.41 (526.24)	< 0.05
Mean (SD) protein intake (g/d)	54.27 (9.88)	58.67 (8.57)	62.40 (9.74)	< 0.05	64.06 (12.16)	58.45 (6.31)	52.87 (6.98)	< 0.05
Mean (SD) fat intake (g/d)	33.48 (7.18)	35.30 (7.39)	36.33 (9.03)	< 0.05	41.57 (8.27)	34.92 (4.00)	28.66 (4.89)	< 0.05
Mean (SD) Glycemic index	68.69 (4.80)	66.10 (4.74)	60.11 (5.66)	< 0.05	61.09 (6.56)	66.36 (5.32)	67.41 (4.70)	< 0.05
Mean (SD) Glycemic load	153.68 (25.00)	148.59 (23.00)	135.30 (24.42)	< 0.05	120.1 (18.50)	149.23 (12.11)	168.02 (16.63)	< 0.05

MET, metabolic equivalents of task; SD, standard deviation.

\*Energy adjustment by residual method

**Supplementary Table 2.** Selected clinical characteristics and associations with overall survival among ovarian cancer patients (N=703)

<b>Characteristic</b>	<b>No. of deaths/total (%)</b>	<b>Adjusted HR * (95%CI)</b>
<b>Age at diagnosis</b>		
≤ 50	45/258 (17.44)	1.00 (ref)
> 50	85/445 (19.10)	1.24 (0.85-1.79)
<b>Histological type</b>		
Serous	92/479 (19.21)	1.00 (ref)
Non-serous	38/224 (16.96)	1.71 (1.11-2.66)
<b>Histopathologic grade</b>		
Well differentiated	5/56 (8.93)	1.00 (ref)
Moderately differentiated	7/48 (14.58)	1.12 (0.35-3.57)
Poorly differentiated	118/599 (19.70)	1.76 (0.70-4.43)
<b>FIGO stage</b>		
I-II	41/342 (11.99)	1.00 (ref)
III-IV	89/338 (26.33)	2.54 (1.65-3.91)
<b>Residual lesions</b>		
No	82/553 (14.83)	1.00 (ref)
<1 cm	31/106 (29.25)	1.73 (1.11-2.68)
≥1 cm	17/44 (38.64)	2.41 (1.39-4.16)
<b>Comorbidities</b>		
No	74/393 (18.83)	1.00 (ref)
Yes	56/310 (18.06)	0.97 (0.68-1.38)

CI, confidence interval; HR, hazard ratio; Ref, reference.

\* Mutually adjusted for all other variables listed in the table.