

Associations of breast cancer with the manganese superoxide dismutase polymorphism polymorphism, stratified by food and nutrient intake, in the Shanghai Breast Cancer Study

Stratified variable	Premenopausal women						Postmenopausal women					
	Val/Val		Val/Ala		Ala/Ala		Val/Val		Val/Ala		Ala/Ala	
	n ^a	OR ^b (95% CI)	n ^a	OR ^b (95% CI)	n ^a	OR ^b (95% CI)	n ^a	OR ^b (95% CI)	n ^a	OR ^b (95% CI)	n ^a	OR ^b (95% CI)
Total vegetables												
≤ Median	273/290	1.0 (ref.)	89/88	1.1 (0.8–1.6)	9/4	2.4 (0.7–8.0)	145/164	1.0 (ref.)	49/44	1.3 (0.8–2.0)	4/6	0.7 (0.2–2.7)
> Median	277/273	1.0 (ref.)	90/100	0.9 (0.6–1.2)	12/8	1.5 (0.6–3.7)	133/153	1.0 (ref.)	36/58	0.7 (0.5–1.2)	3/5	0.8 (0.2–3.3)
Total fruits												
≤ Median	260/281	1.0 (ref.)	95/98	1.1 (0.8–1.5)	7/3	2.6 (0.7–10.0)	152/166	1.0 (ref.)	38/44	1.0 (0.6–1.6)	4/5	1.0 (0.3–3.8)
> Median	290/282	1.0 (ref.)	84/90	0.9 (0.6–1.2)	14/9	1.5 (0.7–3.6)	126/151	1.0 (ref.)	47/58	1.0 (0.6–1.5)	3/6	0.6 (0.1–2.3)
Vitamin A												
≤ Median	238/286	1.0 (ref.)	86/92	1.1 (0.8–1.6)	10/4	2.9 (0.9–9.2)	111/165	1.0 (ref.)	29/46	1.0 (0.6–1.6)	5/4	1.9 (0.5–7.3)
> Median	312/277	1.0 (ref.)	93/96	0.9 (0.6–1.2)	11/8	1.3 (0.5–3.3)	167/152	1.0 (ref.)	55/56	0.9 (0.6–1.4)	2/7	0.3 (0.1–1.3)
Carotene												
≤ Median	281/287	1.0 (ref.)	88/90	1.0 (0.7–1.5)	10/4	2.6 (0.8–8.4)	131/157	1.0 (ref.)	41/52	0.9 (0.6–1.5)	3/6	0.6 (0.1–2.4)
> Median	269/276	1.0 (ref.)	91/98	0.9 (0.7–1.3)	11/8	1.4 (0.5–3.5)	147/160	1.0 (ref.)	44/50	1.0 (0.6–1.6)	4/5	0.9 (0.2–3.4)
Vitamin E												
≤ Median	288/282	1.0 (ref.)	96/95	1.0 (0.7–1.4)	10/5	1.9 (0.7–5.7)	156/155	1.0 (ref.)	48/53	0.9 (0.6–1.5)	4/7	0.6 (0.2–2.1)
> Median	262/281	1.0 (ref.)	83/93	1.0 (0.7–1.4)	11/7	1.8 (0.7–4.9)	122/162	1.0 (ref.)	37/49	1.1 (0.6–1.7)	3/4	1.0 (0.2–4.8)
Vitamin C												
≤ Median	275/282	1.0 (ref.)	92/96	1.0 (0.7–1.4)	12/4	3.1 (1.0–9.8)	137/161	1.0 (ref.)	43/48	1.1 (0.7–1.7)	5/6	1.0 (0.3–3.3)
> Median	275/281	1.0 (ref.)	87/92	1.0 (0.7–1.3)	9/8	1.1 (0.4–3.0)	141/156	1.0 (ref.)	42/54	0.9 (0.6–1.4)	2/5	0.5 (0.1–2.5)
Selenium												
≤ Median	256/278	1.0 (ref.)	78/101	0.9 (0.6–1.2)	6/3	2.1 (0.5–8.6)	115/164	1.0 (ref.)	37/48	1.1 (0.7–1.8)	5/3	2.3 (0.5–9.9)
> Median	294/285	1.0 (ref.)	101/87	1.1 (0.8–1.6)	15/9	1.7 (0.7–3.9)	163/153	1.0 (ref.)	48/54	0.9 (0.5–1.3)	2/8	0.3 (0.1–1.2)
Vitamin supplement												
No	488/480	1.0 (ref.)	162/174	0.9 (0.7–1.2)	20/10	1.9 (0.9–4.2)	227/255	1.0 (ref.)	70/80	1.0 (0.7–1.5)	5/10	0.6 (0.2–1.7)
Yes	62/83	1.0 (ref.)	17/14	1.6 (0.7–3.6)	1/2	0.7 (0.1–7.8)	51/62	1.0 (ref.)	15/22	0.9 (0.4–2.0)	2/1	2.1 (0.2–24.3)
Dietary antioxidant index ^c												
≤ Median	262/280	1.0 (ref.)	89/98	1.0 (0.7–1.4)	7/3	2.4 (0.6–9.5)	126/161	1.0 (ref.)	43/51	1.1 (0.7–1.8)	5/3	2.2 (0.5–9.4)
> Median	288/283	1.0 (ref.)	90/90	1.0 (0.7–1.4)	14/9	1.6 (0.7–3.8)	152/156	1.0 (ref.)	42/51	0.9 (0.5–1.4)	2/8	0.3 (0.1–1.2)

^aNumber of cases/controls. ^bAdjusted for age. ^cDietary antioxidant index was derived as described in the Methods section. CI, confidence interval; OR, odds ratio; ref., reference.