

Appendix 1

Quintile cut-points of plasma concentrations of retinol and carotenoids among all control subjects (n = 560), Singapore Chinese Health Study

Antioxidant	Range of plasma concentrations of each antioxidant by quintile				
	1 st (low)	2 nd	3 rd	4 th	5 th (high)
α -carotene ($\mu\text{mol/L}$)	<0.012 (63/113)	0.012-0.025 (58/112)	0.025-0.036 (70/111)	0.036-0.055 (52/112)	>0.055(37/112)
β -carotene ($\mu\text{mol/L}$)	<0.171 (62/112)	0.171-0.286 (68/113)	0.286-0.411 (60/111)	0.411-0.610 (43/112)	>0.610 (47/112)
Lycopene ($\mu\text{mol/L}$)	<0.055 (63/112)	0.055-0.083 (53/112)	0.083-0.117 (56/112)	0.117-0.184 (59/112)	>0.184 (49/112)
β -cryptoxanthin ($\mu\text{mol/L}$)	<0.101 (67/112)	0.101-0.167 (77/112)	0.167-0.239 (54/112)	0.239-0.392 (39/112)	>0.392 (43/112)
Lutein($\mu\text{mol/L}$)	<0.283 (67/112)	0.283-0.383 (54/112)	0.383-0.500 (60/113)	0.500-0.664 (42/111)	>0.664 (57/112)
Zeaxanthin ($\mu\text{mol/L}$)	<0.040 (46/112)	0.040-0.066 (56/114)	0.066-0.092 (60/110)	0.092-0.141 (65/112)	>0.141 (53/112)
Retinol ($\mu\text{mol/L}$)	<1.832 (53/112)	1.832-2.111 (50/112)	2.111-2.423 (58/112)	2.423-2.761 (53/112)	>2.761 (66/112)

Number of acute myocardial infarction cases/number of control subjects in parenthesis.