

Table 2: Control patient characteristics

Control subject #	Normal range	C1	C2	C3	C4
Age (y)		32	46	52	62
Sex (F/M)		F	M	M	F
Weight (kg)		75	70	95	60
Height (cm)		175	175	186	160
BMI (kg/m ²)		24.49	22.86	27.46	23.44
Total cholesterol (mmol/l)	0.4-1.7	3.96	5.34	7.27	6.53
LDL cholesterol (mmol/l)	< 4.1	2.12	3.2	5.01	3.48
HDL cholesterol (mmol/l)	> 1	1.5	1.79	1.03	2.62
TG (mmol/l)	0.4-1.7	0.85	0.78	2.71	0.94
Vitamin E (μmol/L)	20-35	16.7	26.9	38.8	34.9
Carotenoids					
α-carotene (nmol/L) (nmol/ mmol chol)		66.83	590.72	568.52	1393.86
		16.88	110.62	78.20	213.45
β-carotene (nmol/L) (nmol/ mmol chol)		134.76	1325.17	976.85	2028.57
		34.03	248.16	134.37	310.65
Lutein (nmol/L) (nmol/ mmol chol)		284.51	315.91	333.30	331.29
		71.85	59.16	45.85	50.73
Zeaxanthin (nmol/L) (nmol/ mmol chol)		28.92	55.18	41.33	40.55
		7.30	10.33	5.69	6.21
β-cryptoxanthin (nmol/L) (nmol/ mmol chol)		38.41	220.45	150.45	739.71
		9.70	41.28	20.69	113.28
Lycopene (nmol/L) (nmol/ mmol chol)		449.78	821.96	766.74	669.77
		113.58	153.92	105.47	102.57