

SUPPLEMENTAL MATERIAL

Table S1. Childhood Ideal Cardiovascular Health factors and Change in Cardiovascular Health between Childhood and Adulthood in predicting Retinal Microvascular Complications in Adulthood in the YSF.

		Regression coefficient	P Value
Arteriolar Diameter			
Fasting glucose (mmol/l)	<i>Childhood CVH</i>	0.01	0.786
	<i>Change CVH</i>	-0.03	0.560
Cholesterol	<i>Childhood CVH</i>	-0.08	0.171
	<i>Change CVH</i>	0.04	0.564
Blood pressure (mm/Hg)	<i>Childhood CVH</i>	0.22	<0.001
	<i>Change CVH</i>	0.29	<0.001
Ideal Diet	<i>Childhood CVH</i>	-0.13	0.291
	<i>Change CVH</i>	-0.12	0.333
Ideal Smoking Status	<i>Childhood CVH</i>	-0.06	0.380
	<i>Change CVH</i>	-0.10	0.172
Ideal Physical Activity	<i>Childhood CVH</i>	0.00	0.941
	<i>Change CVH</i>	-0.02	0.697
Arteriolar L-D Ratio			
Fasting glucose (mmol/l)	<i>Childhood CVH</i>	-0.05	0.354
	<i>Change CVH</i>	0.03	0.624
Cholesterol	<i>Childhood CVH</i>	-0.06	0.321
	<i>Change CVH</i>	-0.07	0.248
Blood pressure (mm/Hg)	<i>Childhood CVH</i>	-0.21	=0.001
	<i>Change CVH</i>	-0.21	=0.001
Ideal Diet	<i>Childhood CVH</i>	0.08	0.523
	<i>Change CVH</i>	0.05	0.686
Ideal Smoking Status	<i>Childhood CVH</i>	0.12	0.106
	<i>Change CVH</i>	0.09	0.261
Ideal Physical Activity	<i>Childhood CVH</i>	-0.03	0.612
	<i>Change CVH</i>	-0.03	0.618
Arteriolar Tortuosity Symmetry			
Fasting glucose (mmol/l)	<i>Childhood CVH</i>	0.01	0.843
	<i>Change CVH</i>	-0.08	0.132
Cholesterol	<i>Childhood CVH</i>	-0.09	0.137
	<i>Change CVH</i>	0.07	0.274
Blood pressure (mm/Hg)	<i>Childhood CVH</i>	-0.22	<0.001
	<i>Change CVH</i>	0.12	0.046
Ideal Diet	<i>Childhood CVH</i>	-0.12	0.347
	<i>Change CVH</i>	-0.06	0.650
Ideal Smoking Status	<i>Childhood CVH</i>	-0.15	0.037
	<i>Change CVH</i>	-0.18	0.019
Ideal Physical Activity	<i>Childhood CVH</i>	-0.02	0.760
	<i>Change CVH</i>	0.14	0.013
Venular Length			
Fasting glucose (mmol/l)	<i>Childhood CVH</i>	0.05	0.298
	<i>Change CVH</i>	0.11	0.039
Cholesterol	<i>Childhood CVH</i>	-0.04	0.544
	<i>Change CVH</i>	-0.04	0.501
Blood pressure (mm/Hg)	<i>Childhood CVH</i>	-0.08	0.188
	<i>Change CVH</i>	-0.04	0.503
Ideal Diet	<i>Childhood CVH</i>	0.04	0.737
	<i>Change CVH</i>	-0.03	0.834
Ideal Smoking Status	<i>Childhood CVH</i>	-0.05	0.512
	<i>Change CVH</i>	-0.02	0.823
Ideal Physical Activity	<i>Childhood CVH</i>	-0.02	0.727
	<i>Change CVH</i>	0.03	0.603

Data adjusted for sex and age (1986). β = Beta standardized coefficient. Regression coefficients for a 1 unit increase in childhood ideal CVH score and ideal CVH change. L:D ratio = length / diameter ratio