

Supplemental Table 1: Summary of Imaging Variables

Variable	All	Sex		P-Value	Age Group		P-Value
		Male	Female		Age \geq 65	Age<65	
VSD Mean (SD)	0.148 (0.009)	0.146 (0.009)	0.149 (0.008)	0.07	0.146 (0.009)	0.150 (0.008)	0.003
Flux Mean (SD)	0.156 (0.016)	0.157 (0.014)	0.156 (0.017)	0.57	0.151 (0.015)	0.164 (0.015)	<0.001
Axial Length (mm), Mean (SD)	23.80 (1.20)	24.05 (0.93)	23.67 (1.30)	0.04	23.79 (0.99)	23.81 (1.45)	0.91
Signal Strength Mean (SD)	9.32 (0.66)	9.29 (0.54)	9.33 (0.72)	0.73	9.17 (0.67)	9.55 (0.59)	<0.001

*P-values generated by performing Student's t-tests.

Supplemental Table 2. Combined Mixed Effect Linear Model Parameters for VSD or Flux Models

Model Factor	VSD				Flux			
	Beta* (Std Error) 10^{-3}	P Value	Semi-partial R^2	Full Model R^2	Beta* (Std Error) 10^{-3}	P Value	Semi-partial R^2	Full Model R^2
Signal Strength	0.710 (1.065)	0.51	0.004		9.879 (1.540)	<0.001	0.257	
Age, years	-0.344 (0.103)	0.001	0.132		-0.430 (0.148)	0.005	0.102	
Systolic blood pressure, mmHg	0.040 (0.038)	0.30	0.014	0.174	-0.094 (0.055)	0.09	0.037	0.509
Diabetes [†]	0.297 (2.001)	0.88	0.000		-5.733 (2.878)	0.05	0.049	
Hematocrit, %	0.035 (0.194)	0.86	0.000		0.783 (0.280)	0.006	0.098	
Retinopathy	-4.972 (2.014)	0.02	0.039		0.164 (2.919)	0.96	0.000	

*Beta values represent the change in the output of interest (VSD or flux) for a single unit increase in the case of continuous variables or by the presence of the characteristic in the case of indicator variables.

[†]Subjects were categorized as diabetic if they endorsed a history of diabetes mellitus or had a Hemoglobin A1c value of 6.5% or greater.