Table S1. Measurement characteristics stratified by gender.

Measurement	Total (n = 49229)	Female (n = 27366)	Male (n = 21863)	p
Artery				
AVR (large), mean $\pm$ SD	0.88 $\pm$ 0.04	0.89 $\pm$ 0.04	0.88 $\pm$ 0.04	< 0.001
AVR (medium), mean $\pm$ SD	0.95 $\pm$ 0.02	0.96 $\pm$ 0.02	0.95 $\pm$ 0.02	< 0.001
AVR (small), mean $\pm$ SD	0.97 $\pm$ 0.02	0.97 $\pm$ 0.02	0.97 $\pm$ 0.02	< 0.001
VSD (large), Median (IQR)	1309.14 (1091, 1507.26)	1318.09 (1101.24, 1516.61)	1296.41 (1077.79, 1495.72)	< 0.001
VSD (medium), Median (IQR)	1225.07 (989.36, 1453.19)	1236.38 (999.83, 1464.94)	1211.74 (976.38, 1437.64)	< 0.001
VSD (small), Median (IQR)	1033.79 (579.52, 1428.98)	1043.7 (590.45, 1431.65)	1022.18 (566.41, 1425.91)	< 0.001
Vein				
AVR (large), mean $\pm$ SD	0.88 $\pm$ 0.04	0.89 $\pm$ 0.04	0.88 $\pm$ 0.04	< 0.001
AVR (medium), mean $\pm$ SD	0.95 $\pm$ 0.02	0.96 $\pm$ 0.02	0.95 $\pm$ 0.02	< 0.001
AVR (small), mean $\pm$ SD	0.97 $\pm$ 0.02	0.97 $\pm$ 0.02	0.97 $\pm$ 0.02	< 0.001
VSD (large), Median (IQR)	1398.54 (1218.09, 1572.3)	1391.17 (1213.36, 1564.09)	1407.82 (1224.2, 1582.86)	< 0.001
VSD (medium), Median (IQR)	1393.39 (1103.81, 1634.06)	1384.36 (1091.43, 1625.3)	1404.79 (1122.04, 1647.64)	< 0.001
VSD (small), Median (IQR)	1112.11 (662.04, 1504.93)	1107.67 (663.66, 1493.14)	1118.04 (660.34, 1518.92)	0.074

AVR=Arteriolar-to-Venular diameter Ratio. VSD=Vessel Skeleton Density. IQR=Inter Quartile Range. SD=Standard Deviation.

P-value for trend was examined by fitting a linear model for the risk categories and retinal measurements.