## SUPPLEMENTARY TABLES

### Table 1 GLM Univariate analysis of variance for Factors significant for RNFL thickness

| Dependent Variable | AVG RNFL | SUP RNFL | NSL RNFL | INF RNFL | TEMP RNFL |
|-------------------|----------|----------|----------|----------|-----------|
| **Source**        | Type III Sum of Squares | F | Sig. | Type III Sum of Squares | F | Sig. | Type III Sum of Squares | F | Sig. | Type III Sum of Squares | F | Sig. |
| Corrected Model   | 2265.598* | 2.457 | 0.002 | 6708.984* | 1.572 | 0.076 | 2147.254* | 3.173 | 0.011 | 5532.238* | 1.441 | 0.123 | 2595.331* | 1.438 | 0.124 |
| Intercept         | 542857.02 | 12950.35 | 0 | 903182.45 | 4655 | 0 | 423167.71 | 3126.09 | 0 | 909793.35 | 5212.45 | 0 | 234369.83 | 2856.91 | 0 |
| Age               | 460.16 | 5.49 | 0.006 | 112.17 | 0.29 | 0.75 | 1428.24 | 5.28 | 0.007 | 537.29 | 1.54 | 0.221 | 354.731 | 2.162 | 0.122 |
| Refractive error  | 202.69 | 1.21 | 0.314 | 1497.87 | 1.93 | 0.114 | 455.16 | 0.65 | 0.627 | 773.459 | 2.357 | 0.061 |
| Gender            | 251.73 | 6.01 | 0.017 | 1053.12 | 5.43 | 0.022 | 312.66 | 2.31 | 0.132 | 51.98 | 0.3 | 0.587 | 499.463 | 6.088 | 0.016 |
| Age * Refractive error | 249.64 | 0.99 | 0.436 | 1073.05 | 0.92 | 0.484 | 488.15 | 0.47 | 0.831 | 661.634 | 1.344 | 0.248 |
| Age * Gender      | 15.03 | 0.18 | 0.836 | 384.75 | 0.99 | 0.376 | 99.45 | 0.28 | 0.753 | 177.786 | 1.084 | 0.343 |
| Refractive error * Gender | 28.19 | 0.17 | 0.954 | 525.6 | 0.68 | 0.61 | 693.13 | 0.99 | 0.417 | 305.31 | 0.93 | 0.451 |
| Age * Refractive error * Gender | 18.95 | 0.15 | 0.929 | 601.66 | 1.03 | 0.383 | 452.89 | 0.86 | 0.463 | 560.144 | 2.276 | 0.086 |
| Error             | 3227.71 | 14939.86 | 12724.46 | 13439.76 | 6316.779 |
| Total             | 1053455 | 1751926 | 603621 | 1803868 | 455537 |
| Corrected Total   | 5493.31 | 21648.84 | 14871.71 | 18972 | 8912.11 |

Abbreviations: RNFL, retinal nerve fibre layer; RE, spherical equivalent refractive error; AVG, average; SUP, superior; NSL, nasal; TEMP, temporal; INF, inferior; VERT CDR, vertical cup-disc ratio; AVG CDR, average cup-disc ratio; CUP VOLM, cup volume
| Dependent Variable | AVG RNFL | SUP RNFL | NSL RNFL | INF RNFL | TEMP INFL |
|--------------------|----------|----------|----------|----------|-----------|
| **Parameter**      | B t 95% CI | B t 95% CI | B t 95% CI | B t 95% CI | B t 95% CI |
| **Intercept**      | 94 32.46 0 | 118 18.94 0 | 105.60-130.40 | 67.11 17.3 0 | 59.41-74.81 |
| **19 - 39**        | 4.42 0.44 0.662 | -15.63-24.46 | 15.47 0.71 0.477 | -27.65-58.59 | 12.24 2.62 0.01 |
| **40 - 59**        | 2.67 0.56 0.574 | -6.75-12.08 | -4.67 -0.46 0.648 | -24.92-15.59 | 5.14 1.1 0.274 |
| **60 +**           | 0a 0a | 0a | 0a | 0a | 0a |
| **Plano**          | 0 0 1 | -10.53-10.53 | 0.67 0.06 0.953 | -21.98-23.31 | - |
| **Low Hyperopia**  | -4 -0.56 0.574 | -18.12-10.12 | -2 -0.13 0.896 | -32.38-28.38 | - |
| **High Hyperopia** | -9 -1.66 0.101 | -19.79-1.79 | -8.5 -0.73 0.468 | -31.71-14.71 | - |
| **Low Myopia**     | 5 0.7 0.483 | -9.12-19.12 | 15 0.98 0.329 | -15.38-45.38 | - |
| **High Myopia**    | 0a | 0a | -27.65-58.59 | -27.65-58.59 | 0a |
| **Female**         | 5.5 1.02 0.313 | -5.29-16.29 | 10.5 0.9 0.37 | -24.92-15.59 | 4.06 0.66 0.51 |
| **Male**           | 0a | 0a | 0a | 0a | 0a |

Abbreviations: RNFL, retinal nerve fibre layer; RE, spherical equivalent refractive error; AVG, average; SUP, superior; NSL, nasal; TEMP, temporal; INF, inferior; VERT CDR, vertical cup-disc ratio; AVG CDR, average cup-disc ratio; CUP VOLM, cup volume
Table 3 Binary Logistic Regression: Glaucoma and Normals Adjusted for age

|            | B    | S.E.  | Wald | df | Sig. | Exp(B) | 95% C.I for EXP(B) |
|------------|------|-------|------|----|------|--------|-------------------|
|            |      |       |      |    |      |        | Lower    | Upper    |
| AGE        | .177 | .053  | 11.356 | 1  | .001 | 1.19   | 1.08     | 1.32     |
| AVG_RNFL   | .412 | .220  | 3.491 | 1  | .062 | 1.51   | 0.98     | 2.32     |
| SUP_RNFL   | -.099| .060  | 2.766 | 1  | .096 | 0.91   | 0.81     | 1.02     |
| NSL_RNFL   | -.161| .062  | 6.660 | 1  | .010 | 0.85   | 0.75     | 0.96     |
| TEMP_RNFL  | -.118| .075  | 2.490 | 1  | .115 | 0.89   | 0.77     | 1.03     |
| INF_RNFL   | -.122| .067  | 3.376 | 1  | .066 | 0.88   | 0.78     | 1.01     |
| RIM_AREA   | 9.061| 3.239 | 7.826 | 1  | .005 | 8610.65| 15.07    | 4.92E+6  |
| DISC_AREA  | -4.056| 1.796| 5.101 | 1  | .024 | 0.02   | 5.13E-4  | 0.59     |
| VERT_CDR   | 54.764| 19.578| 7.825 | 1  | .005 | 6.08E+23| 1.312E+7| 2.81E+40 |
| AVG_CDR    | 49.447| 14.932| 10.965| 1  | .001 | 2.98E+21| 5.801E+8| 15.3E+34 |
| CUP_VOLM   | -2.513| 3.777| .443  | 1  | .506 | 0.08   | 4.94E-4  | 132.77   |
| Constant   | -66.998| 18.586| 12.995| 1  | .000 | 0.00   |          |          |

Abbreviations: RNFL, retinal nerve fibre layer; RE, spherical equivalent refractive error; AVG, average; SUP, superior; NSL, nasal; TEMP, temporal; INF, inferior; VERT CDR, vertical cup-disc ratio; AVG CDR, average cup-disc ratio; CUP VOLM, cup volume