**Supplementary Table S4.** Influence of structural parameters on vessel density in multiple linear regression models (Sector-wise analysis 2)

<table>
<thead>
<tr>
<th>Sectors</th>
<th>Nasal B, P value (95% CI)</th>
<th>IN B, P value (95% CI)</th>
<th>IT B, P value (95% CI)</th>
<th>Temporal B, P value (95% CI)</th>
<th>ST B, P value (95% CI)</th>
<th>SN B, P value (95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RNFLT* (µm)</td>
<td>0.20, &lt;0.001 (0.13 to 0.26)</td>
<td>0.17, &lt;0.001 (0.12 to 0.21)</td>
<td>0.21, &lt;0.001 (0.18 to 0.24)</td>
<td>0.31, &lt;0.001 (0.22 to 0.41)</td>
<td>0.18, &lt;0.001 (0.15 to 0.21)</td>
<td>0.15, &lt;0.001 (0.11 to 0.19)</td>
</tr>
<tr>
<td>Sex (male)</td>
<td>-2.87, 0.014 (-5.15 to -0.59)</td>
<td>0.36, 0.82 (-3.43 to 2.70)</td>
<td>-2.71, 0.04 (-5.32 to -0.10)</td>
<td>1.26, 0.39 (-1.63 to 4.14)</td>
<td>-1.01, 0.44 (-3.62 to 1.60)</td>
<td>-1.16, 0.41 (-3.90 to 1.59)</td>
</tr>
<tr>
<td>Age (year)</td>
<td>-0.02, 0.62 (-0.11 to 0.07)</td>
<td>-0.11, 0.06 (-0.22 to 0.005)</td>
<td>-0.12, 0.03 (-0.22 to -0.02)</td>
<td>-0.07, 0.21 (-0.18 to 0.04)</td>
<td>-0.03, 0.54 (-0.13 to 0.07)</td>
<td>0.01, 0.78 (-0.09 to 0.12)</td>
</tr>
<tr>
<td>Axial length (mm)</td>
<td>0.29, 0.62 (-0.65 to 1.24)</td>
<td>0.76, 0.22 (-0.46 to 1.97)</td>
<td>0.99, 0.07 (-0.09 to 2.06)</td>
<td>-0.29, 0.64 (-1.49 to 0.91)</td>
<td>0.70, 0.20 (-0.37 to 1.78)</td>
<td>1.06, 0.07 (-0.08 to 2.20)</td>
</tr>
<tr>
<td>Disc area† (mm²)</td>
<td>0.50, 0.64 (-1.62 to 2.61)</td>
<td>-2.70, 0.054 (-5.47 to -0.02)</td>
<td>-0.45, 0.72 (-2.88 to 1.98)</td>
<td>-0.62, 0.65 (-3.34 to 2.11)</td>
<td>-1.78, 0.15 (-6.62 to 4.18)</td>
<td>0.17, 0.90 (-2.34 to 2.68)</td>
</tr>
<tr>
<td>Beta-PPA area† (mm²)</td>
<td>-0.60, 0.58 (-1.55 to 2.75)</td>
<td>-0.71, 0.56 (-3.10 to 1.69)</td>
<td>-1.45, 0.19 (-3.63 to 0.72)</td>
<td>1.43, 0.25 (-1.01 to 3.86)</td>
<td>1.46, 0.11 (-3.78 to 0.55)</td>
<td>-1.37, 0.23 (-3.59 to 0.85)</td>
</tr>
<tr>
<td>Gamma-PPA area† (mm²)</td>
<td>-0.88, 0.63 (-2.69 to 4.45)</td>
<td>-1.74, 0.33 (-5.23 to 1.75)</td>
<td>-2.17, 0.26 (-5.96 to 1.62)</td>
<td>-2.76, 0.20 (-6.97 to 1.45)</td>
<td>-1.88, 0.27 (-5.27 to 1.51)</td>
<td>-1.86, 0.27 (-5.18 to 1.46)</td>
</tr>
<tr>
<td>Beta-PPA in VD measurement area (%)</td>
<td>-0.16, 0.03 (-0.31 to -0.01)</td>
<td>-0.02, 0.67 (-0.12 to 0.08)</td>
<td>-0.03, 0.50 (-0.11 to 0.06)</td>
<td>-0.12, 0.005 (-0.21 to -0.04)</td>
<td>-0.10, 0.07 (-0.20 to 0.008)</td>
<td>-0.03, 0.66 (-0.11 to 0.18)</td>
</tr>
<tr>
<td>Gamma-PPA in VD measurement area (%)</td>
<td>-0.20, 0.16 (-0.49 to 0.08)</td>
<td>-0.15, 0.56 (-0.67 to 0.37)</td>
<td>-0.12, 0.27 (-0.32 to 0.09)</td>
<td>-0.06, 0.29 (-0.17 to -0.51)</td>
<td>-0.08, 0.46 (-0.28 to 0.13)</td>
<td>-0.75, 0.006 (-1.28 to -0.22)</td>
</tr>
<tr>
<td>SSI (VD)</td>
<td>0.36, &lt;0.001 (0.22 to 0.51)</td>
<td>0.32, 0.001 (0.14 to 0.51)</td>
<td>0.02, 0.50 (-0.11 to 0.06)</td>
<td>0.37, &lt;0.001 (0.19 to 0.56)</td>
<td>0.40, &lt;0.001 (0.23 to 0.57)</td>
<td>0.21, 0.02 (0.04 to 0.38)</td>
</tr>
<tr>
<td>R²</td>
<td>0.50</td>
<td>0.48</td>
<td>0.70</td>
<td>0.56</td>
<td>0.68</td>
<td>0.46</td>
</tr>
</tbody>
</table>

RNFLT = retinal nerve fiber layer thickness, IN = inferior nasal, IT = inferior temporal, ST = superior temporal, SN = superior nasal, B = regression coefficient, CI = confidence interval, PPA = parapapillary atrophy, VD = vessel density, SSI = signal strength index, *values in the corresponding sector to vessel density, †Magnification-corrected values.