Supplementary Table S2. Relationship between mean deviation, vessel density* and thickness* in multiple linear regression models

<table>
<thead>
<tr>
<th>Dependent variables</th>
<th>MD (dB)</th>
<th>MD (dB)</th>
<th>Vessel density* (%)</th>
<th>Vessel density* (%)</th>
<th>Thickness* (µm)</th>
<th>Thickness* (µm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Parameter in</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>comparison</td>
<td>vs. Vessel density*</td>
<td>vs. Thickness*</td>
<td>vs. MD</td>
<td>vs. Thickness*</td>
<td>vs. MD</td>
<td>vs. Vessel density*</td>
</tr>
<tr>
<td>Parameter in</td>
<td>B, P value</td>
<td>(95% CI)</td>
<td>B, P value</td>
<td>(95% CI)</td>
<td>B, P value</td>
<td>(95% CI)</td>
</tr>
<tr>
<td>comparison</td>
<td>0.78, &lt;0.001</td>
<td>0.27, &lt;0.001</td>
<td>0.64, &lt;0.001</td>
<td>0.26, &lt;0.001</td>
<td>1.65, &lt;0.001</td>
<td>1.83, &lt;0.001</td>
</tr>
<tr>
<td>Sex (male)</td>
<td>(0.64 to 0.92)</td>
<td>(0.22 to 0.33)</td>
<td>(0.53 to 0.76)</td>
<td>(0.21 to 0.31)</td>
<td>(1.32 to 1.98)</td>
<td>(1.48 to 2.18)</td>
</tr>
<tr>
<td>Age (year)</td>
<td>2.14, 0.03</td>
<td>1.04, 0.31</td>
<td>-2.16, 0.02</td>
<td>-1.30, 0.15</td>
<td>-3.20, 0.20</td>
<td>1.77, 0.46</td>
</tr>
<tr>
<td>Axial length (mm)</td>
<td>(0.24 to 4.04)</td>
<td>(-0.96 to 3.04)</td>
<td>(-3.88 to -0.43)</td>
<td>(-3.08 to 0.47)</td>
<td>(-8.11 to 1.71)</td>
<td>(-2.95 to 6.48)</td>
</tr>
<tr>
<td>Disc area† (mm²)</td>
<td>0.001, 0.98</td>
<td>-0.03, 0.42</td>
<td>-0.02, 0.48</td>
<td>-0.05, 0.17</td>
<td>0.04, 0.67</td>
<td>0.10, 0.28</td>
</tr>
<tr>
<td>Beta-PPA area† (mm²)</td>
<td>-0.66, 0.10</td>
<td>-0.19, 0.65</td>
<td>0.59, 0.10</td>
<td>0.46, 0.22</td>
<td>0.18, 0.86</td>
<td>-0.99, 0.32</td>
</tr>
<tr>
<td>Gamma-PPA area†</td>
<td>-0.73, 0.41</td>
<td>-0.65, 0.48</td>
<td>0.04, 0.96</td>
<td>-0.19, 0.82</td>
<td>0.63, 0.78</td>
<td>-0.95, 0.66</td>
</tr>
<tr>
<td>(mm²)</td>
<td>(-2.48 to 1.02)</td>
<td>(-2.47 to 1.18)</td>
<td>(-1.55 to 1.64)</td>
<td>(-1.82 to 1.44)</td>
<td>(-3.87 to 5.12)</td>
<td>(-5.23 to 3.36)</td>
</tr>
<tr>
<td>Beta-PPA in VD</td>
<td>-0.93, 0.30</td>
<td>-0.71, 0.36</td>
<td>0.71, 0.39</td>
<td>0.74, 0.38</td>
<td>-1.29, 0.50</td>
<td>-2.36, 0.29</td>
</tr>
<tr>
<td>measurement area (%)</td>
<td>(-2.70 to 0.85)</td>
<td>(-2.25 to 0.82)</td>
<td>(-0.91 to 2.33)</td>
<td>(-0.92 to 2.40)</td>
<td>(-5.08 to 2.50)</td>
<td>(-6.73 to 2.01)</td>
</tr>
<tr>
<td>Gamma-PPA in VD</td>
<td>1.97, 0.19</td>
<td>0.11, 0.93</td>
<td>-1.35, 0.32</td>
<td>-1.08, 0.44</td>
<td>-1.02, 0.72</td>
<td>3.75, 0.31</td>
</tr>
<tr>
<td>measurement area (%)</td>
<td>(-0.98 to 4.92)</td>
<td>(-2.18 to 2.39)</td>
<td>(-4.04 to 1.35)</td>
<td>(-3.84 to 1.67)</td>
<td>(-6.65 to 4.61)</td>
<td>(-3.52 to 11.01)</td>
</tr>
<tr>
<td>SSI (Vessel density*)</td>
<td>0.09, 0.17</td>
<td>not included</td>
<td>-0.16, 0.005</td>
<td>-0.18, 0.003</td>
<td>not included</td>
<td>0.25, 0.12</td>
</tr>
<tr>
<td>measurement area (%)</td>
<td>(-0.04 to 0.21)</td>
<td>-0.27 to -0.05</td>
<td>-0.29 to -0.06</td>
<td>not included</td>
<td>(-0.06 to 0.56)</td>
<td></td>
</tr>
<tr>
<td>Gamma-PPA in VD</td>
<td>0.05, 0.70</td>
<td>not included</td>
<td>-0.14, 0.21</td>
<td>-0.17, 0.12</td>
<td>not included</td>
<td>0.23, 0.43</td>
</tr>
<tr>
<td>measurement area (%)</td>
<td>(-0.19 to 0.29)</td>
<td>-0.35 to 0.08</td>
<td>-0.40 to 0.05</td>
<td>not included</td>
<td>(-0.36 to 0.82)</td>
<td></td>
</tr>
<tr>
<td>SSI (Thickness*)</td>
<td>-0.16, 0.02</td>
<td>not included</td>
<td>0.33, &lt;0.001</td>
<td>0.28, &lt;0.001</td>
<td>not included</td>
<td>-0.17, 0.32</td>
</tr>
<tr>
<td>(-0.29 to -0.03)</td>
<td>(0.22 to 0.44)</td>
<td>(0.16 to 0.40)</td>
<td>(0.10 to 0.12)</td>
<td>(0.10 to 0.30)</td>
<td>(-0.51 to 0.17)</td>
<td></td>
</tr>
<tr>
<td>R²</td>
<td>0.57</td>
<td>0.50</td>
<td>0.72</td>
<td>0.71</td>
<td>0.51</td>
<td>0.57</td>
</tr>
</tbody>
</table>

SAP = static automated perimetry, MD = mean deviation, RNFLT = retinal nerve fiber layer thickness, B = regression coefficient, CI = confidence interval, PPA = parapapillary atrophy, SSI = signal strength index. * The average values in the peripapillary retinal nerve fiber layer were evaluated. †Magnification-corrected values.