Appendix figure 1 – Paulsen et al., *Optometry and Vision Science*, March 2021
Normal (<25) Overweight (25 to <30) Obese (≥30)

Body Mass Index (kg/m²) Waist Circumference Tertile (cm)

Mean mGCIPL thickness (μm)

Anthropometric Factor

Appendix figure 2 – Paulsen et al., *Optometry and Vision Science*, March 2021
Mean mGCIPL Thickness (μm)

Health Condition

<table>
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<td>Hypertension</td>
<td>Cardiovascular Disease History</td>
<td>History of Head Injury</td>
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</tr>
</tbody>
</table>

Appendix figure 3 – Paulsen et al., *Optometry and Vision Science*, March 2021
Referent Increasing High-High hsCRP level (mg/L) Long-term hsCRP

Mean mGCIP thickness (μm)

<1 1-3 >3 Referent Increasing High-High hsCRP level (mg/L) Long-term hsCRP

High-sensitivity C-reactive protein level
Referent Increasing High-High

Mean mGCIPL thickness (μm)

Long-term interleukin-6 level

Appendix figure 7 – Paulsen et al., *Optometry and Vision Science*, March 2021
T1 (≤0.35)  T2 (0.36-0.61)  T3 (>0.61)

Mean mGCIPL thickness (μm)

Tumor necrosis factor-α tertile (pg/mL)

Appendix figure 8 – Paulsen et al., *Optometry and Vision Science*, March 2021
Appendix figure 9 – Paulsen et al., *Optometry and Vision Science*, March 2021
T1 (<190.1)  T2 (190.1-238.5)  T3 (≥238.5)  Referent  Increasing  High-High

Soluble intercellular adhesion molecule - 1 level

Appendix figure 10 – Paulsen et al., Optometry and Vision Science, March 2021
Mean mGCIPL thickness (μm)

White blood cell count (k/μL)

T1 (≤6.3)  T2 (6.4-7.8)  T3 (>7.8)

Appendix figure 11 – Paulsen et al., *Optometry and Vision Science*, March 2021
Age-related macular degeneration  Cataract  Diabetic Retinopathy  Glaucoma

Mean mGCIPL thickness (μm)

Ocular condition
Cadmium (μg/L)  Lead (μg/dL)

<0.53  ≥0.53  <2.07  ≥2.07

Mean mGCIP thickness (μm)

Heavy metal blood level

Appendix figure 13 – Paulsen et al., Optometry and Vision Science, March 2021
Mean mGCIPL thickness (μm)

Use of statin medication

No  Yes

75  76  77  78  79  80