

| Parameters | Rat Number | | | | | | | | Mean | SD |
|-----------------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | |
| Neurovascular Canal | | | | | | | | | | |
| <i>ASCO Area</i> (μm^2) | 1.49x10 ⁵ | 1.22x10 ⁵ | 1.23x10 ⁵ | 1.02x10 ⁵ | 1.57x10 ⁵ | 1.06x10 ⁵ | 1.38x10 ⁵ | 1.33x10 ⁵ | 1.29x10 ⁵ | 0.19x10 ⁵ |
| <i>ASCO Radius</i> (μm) | 216 \pm 25 | 196 \pm 21 | 196 \pm 29 | 180 \pm 16 | 223 \pm 16 | 183 \pm 18 | 209 \pm 16 | 205 \pm 25 | 201 | 15 |
| <i>ASCO H/V Diameter Ratio</i> | 1.24 | 1.26 | 1.42 | 1.26 | 1.11 | 1.25 | 1.17 | 1.38 | 1.26 | 0.10 |
| <i>PSCO Area</i> (μm^2) | 1.59x10 ⁵ | 1.13x10 ⁵ | 1.40x10 ⁵ | 1.13x10 ⁵ | 1.54x10 ⁵ | 1.22x10 ⁵ | 1.58x10 ⁵ | 1.09x10 ⁵ | 1.33x10 ⁵ | 0.21x10 ⁵ |
| <i>PSCO Radius</i> (μm) | 223 \pm 30 | 189 \pm 15 | 209 \pm 30 | 189 \pm 18 | 220 \pm 20 | 197 \pm 13 | 223 \pm 17 | 185 \pm 23 | 204 | 16 |
| <i>PSCO H/V Diameter Ratio</i> | 1.47 | 1.10 | 1.40 | 1.20 | 1.13 | 1.21 | 1.36 | 1.33 | 1.27 | 0.13 |
| Optic nerve | | | | | | | | | | |
| <i>ON-ASCO Area</i> (μm^2) | 4.54x10 ⁴ | 4.26x10 ⁴ | 4.36x10 ⁴ | 4.46x10 ⁴ | 5.37x10 ⁴ | 4.73x10 ⁴ | 4.16x10 ⁴ | 5.20x10 ⁴ | 4.63x10 ⁴ | 0.44x10 ⁴ |
| <i>ON-ASCO Radius</i> (μm) | 117 \pm 27 | 112 \pm 33 | 114 \pm 32 | 115 \pm 32 | 128 \pm 29 | 120 \pm 28 | 112 \pm 25 | 127 \pm 24 | 118 | 6 |
| <i>ON-ASCO H/V Diameter Ratio</i> | 1.82 | 2.18 | 2.18 | 2.08 | 1.97 | 1.88 | 1.86 | 1.66 | 1.95 | 0.19 |
| <i>ON-PSCO Area</i> (μm^2) | 4.81x10 ⁴ | 4.28x10 ⁴ | 4.14x10 ⁴ | 3.99x10 ⁴ | 5.34x10 ⁴ | 4.37x10 ⁴ | 4.25x10 ⁴ | 4.14x10 ⁴ | 4.41x10 ⁴ | 0.45x10 ⁴ |
| <i>ON-PSCO Radius</i> (μm) | 117 \pm 41 | 108 \pm 44 | 107 \pm 41 | 105 \pm 43 | 124 \pm 41 | 111 \pm 42 | 112 \pm 33 | 106 \pm 43 | 111 | 6 |
| <i>ON-PSCO H/V Diameter Ratio</i> | 2.41 | 2.72 | 2.60 | 2.97 | 2.29 | 2.55 | 1.89 | 1.81 | 2.41 | 0.40 |
| <i>ON Volume</i> (μm^3) | 3.95x10 ⁶ | 2.92x10 ⁶ | 2.29x10 ⁶ | 3.25x10 ⁶ | 4.04x10 ⁶ | 3.20x10 ⁶ | 2.88x10 ⁶ | 3.67x10 ⁶ | 3.28x10 ⁶ | 0.59x10 ⁶ |

* See Appendix Figures 1 and 2 for an explanation of each parameter.

Appendix Table 3. The neurovascular scleral canal and its contained optic nerve*