

Topographic correlation between SMD and GCIPLT

SUPPLEMENTARY MATERIALS**Table S1.** Reliability estimates of macular SMD measurement

| | | Intraobserver ICC (P value) | Interobserver ICC (P value) |
|---------------|----------------|--------------------------------|--------------------------------|
| 4 sector grid | Nasal | 0.997 (<0.001) | 0.986 (<0.001) |
| | Superior | 0.999 (<0.001) | 0.999 (<0.001) |
| | Temporal | 0.999 (<0.001) | 0.994 (<0.001) |
| | Inferior | 0.999 (<0.001) | 0.999 (<0.001) |
| 6-sector grid | Superonasal | 0.946 (<0.001) | 0.913 (<0.001) |
| | Superosuperior | 0.999 (<0.001) | 0.999 (<0.001) |
| | Superotemporal | 0.911 (<0.001) | 0.907 (<0.001) |
| | Inferotemporal | 0.968 (<0.001) | 0.938 (<0.001) |
| | Inferoinferior | 0.963 (<0.001) | 0.967 (<0.001) |
| | Inferonasal | 0.972 (<0.001) | 0.968 (<0.001) |

SMD, superficial microvessel density; ICC, Intraclass coefficients

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Table S2. Correlations between clock-hour[†] circumpapillary RNFL thickness and sectoral macular GCIPL thickness and SMD

| | SN sector | SS sector | ST sector | IT sector | II sector | IN sector |
|---|-------------------------------|-------------------------------|-------------------------------|--------------------------------|--------------------------------|-------------------------------|
| Naso-inferior cRNFLT (4 clock-hour) | .232 (.014)* .170 (.075) | .275 (.004)** .188 (.048)* | .249 (.009)** .040 (.676) | .079 (.411) -.104 (.277) | .090 (.350) -.061 (.523) | .142 (.136) .047 (.621) |
| Naso-nasal cRNFLT (3 clock-hour) | .148 (.121) .167 (.079) | .208 (.028)* .145 (.130) | .203 (.032)* .125 (.190) | .136 (.153) .069 (.474) | .138 (.150) .002 (.839) | .148 (.120) .006 (.946) |
| Naso-superior cRNFLT (2 clock-hour) | .362 (.000)** .021 (.824) | .357 (.000)** .083 (.386) | .333 (.000)** .036 (.709) | .154 (.106) .013 (.895) | .208 (.029)* .041 (.671) | .265 (.005)** .019 (.844) |
| Supero-nasal cRNFLT (1 clock-hour) | .418 (.000)** -.082 (.392) | .418 (.000)** .116 (.227) | .432 (.000)** .198 (.037)* | .193 (.043)* .173 (.069) | .263 (.005)** .073 (.446) | .327 (.000)** .009 (.927) |
| Supero-superior cRNFLT (12 clock-hour) | .443 (.000)** -.002 (.833) | .494 (.000)** .024 (.804) | .480 (.000)** .085 (.373) | .149 (.120) .150 (.116) | .236 (.013)* .117 (.221) | .331 (.000)** .100 (.298) |
| Supero-temporal cRNFLT (11 clock-hour) | .525 (.000)** .013 (.892) | .600 (.001)** .116 (.226) | .651 (.002)** .120 (.209) | .082 (.394) .111 (.248) | .188 (.048)* .013 (.889) | .341 (.000)** -.033 (.734) |
| Temporo-superior cRNFLT (10 clock-hour) | .522 (.000)** .051 (.592) | .652 (.000)** .112 (.243) | .647 (.000)** .111 (.245) | .019 (.844) .004 (.968) | .127 (.185) -.001 (.990) | .270 (.004) .053 (.580) |
| Temporo-temporal cRNFLT (9 clock-hour) | .425 (.000)** -.071 (.459) | .462 (.000)** .041 (.670) | .458 (.000)** .162 (.090) | .107 (.262) .113 (.293) | .188 (.048)* .053 (.578) | .322 (.001)** -.011 (.902) |
| Temporo-inferior cRNFLT (8 clock-hour) | .238 (.012)* -.161 (.092) | .230 (.015)* -.188 (.058) | .297 (.002)** -.002 (.985) | .612 (.000)** .370 (.000)** | .704 (.000)** .341 (.000)** | .626 (.000)** .048 (.614) |
| Infero-temporal cRNFLT (7 clock-hour) | .051 (.592) -.082 (.392) | -.022 (.817) -.145 (.192) | .124 (.195) -.115 (.231) | .818 (.000)** .363 (.000)** | .743 (.000)** .333 (.000)** | .439 (.000)** .002 (.986) |
| Infero-inferior cRNFLT (6 clock-hour) | .251 (.008)** -.062 (.516) | .229 (.016)* -.009 (.923) | .314 (.001)** .016 (.871) | .657 (.000)** .308 (.001)** | .648 (.000)** .201 (.035)* | .470 (.000)** -.089 (.353) |

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|------------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Infero-nasal cRNFLT (5 clock-hour) | .459 (.000)** | .409 (.000)** | .463 (.000)** | .377 (.000)** | .445 (.000)** | .511 (.001)** |
| | .030 (.757) | .116 (.227) | .034 (.727) | .126 (.188) | .101 (.290) | .017 (.860) |

The Pearson's correlation coefficients and P values relating to the macular GCIPL thicknesses are listed in the upper row, and those relating to the macular SMD are listed in the lower row, for each cell.

† Clock-hours are based on the right eye; cRNFLT, circumpapillary retinal nerve fiber layer thickness; GCIPL, ganglion cell-inner plexiform layer; SMD, superficial microvessel density; SN, superonasal; SS, superosuperior; ST, superotemporal; IT, inferotemporal; II, inferoinferior; IN, inferonasal; *, P < 0.05; **, P < 0.01