Supplemental Table 1. Mean LogMAR Best-corrected Visual Acuity and Mean Regional Retinal Thickness during Follow-up in Macular Hole Surgery

<table>
<thead>
<tr>
<th></th>
<th>Before Surgery</th>
<th>1 Month</th>
<th>2 Months</th>
<th>3 Months</th>
<th>6 Months</th>
<th>9 Months</th>
<th>12 Months</th>
<th>24 Months</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>LogMAR BCVA</strong></td>
<td>0.84 (0.40)</td>
<td>0.35 (0.28)</td>
<td>0.32 (0.29)</td>
<td>0.26 (0.30)</td>
<td>0.23 (0.28)</td>
<td>0.17 (0.29)</td>
<td>0.13 (0.23)</td>
<td>0.08 (0.25)</td>
</tr>
<tr>
<td><strong>Central</strong></td>
<td>359 (75.5)</td>
<td>293 (56.3)</td>
<td>290 (49.6)</td>
<td>287 (50.9)</td>
<td>288 (42.6)</td>
<td>290 (41.1)</td>
<td>292 (39.6)</td>
<td>291 (36.7)</td>
</tr>
<tr>
<td><strong>Inner superior</strong></td>
<td>356 (36.3)</td>
<td>328 (16.3)</td>
<td>325 (17.0)</td>
<td>322 (17.6)</td>
<td>318 (15.6)</td>
<td>318 (14.2)</td>
<td>316 (15.2)</td>
<td>313 (15.5)</td>
</tr>
<tr>
<td><strong>Inner temporal</strong></td>
<td>339 (30.8)</td>
<td>310 (18.6)</td>
<td>307 (20.2)</td>
<td>303 (17.8)</td>
<td>298 (16.2)</td>
<td>297 (14.6)</td>
<td>296 (15.1)</td>
<td>291 (16.4)</td>
</tr>
<tr>
<td><strong>Inner inferior</strong></td>
<td>348 (27.6)</td>
<td>329 (22.9)</td>
<td>332 (31.3)</td>
<td>325 (19.5)</td>
<td>322 (18.1)</td>
<td>320 (15.6)</td>
<td>319 (15.6)</td>
<td>316 (17.4)</td>
</tr>
<tr>
<td><strong>Inner nasal</strong></td>
<td>365 (37.4)</td>
<td>349 (24.3)</td>
<td>350 (26.0)</td>
<td>348 (20.9)</td>
<td>347 (18.9)</td>
<td>347 (17.7)</td>
<td>346 (16.9)</td>
<td>344 (17.9)</td>
</tr>
<tr>
<td><strong>Outer superior</strong></td>
<td>281 (15.8)</td>
<td>290 (11.4)</td>
<td>289 (12.1)</td>
<td>285 (10.9)</td>
<td>281 (10.2)</td>
<td>280 (11.4)</td>
<td>277 (13.2)</td>
<td>274 (11.0)</td>
</tr>
<tr>
<td><strong>Outer temporal</strong></td>
<td>259 (14.3)</td>
<td>266 (12.6)</td>
<td>267 (13.5)</td>
<td>264 (11.3)</td>
<td>260 (13.1)</td>
<td>258 (10.0)</td>
<td>256 (9.4)</td>
<td>252 (9.7)</td>
</tr>
<tr>
<td><strong>Outer inferior</strong></td>
<td>263 (17.3)</td>
<td>277 (17.1)</td>
<td>277 (16.5)</td>
<td>273 (12.8)</td>
<td>268 (13.7)</td>
<td>266 (14.1)</td>
<td>266 (15.8)</td>
<td>262 (16.8)</td>
</tr>
<tr>
<td><strong>Outer nasal</strong></td>
<td>296 (22.5)</td>
<td>311 (18.7)</td>
<td>309 (18.6)</td>
<td>304 (17.4)</td>
<td>301 (15.4)</td>
<td>300 (15.4)</td>
<td>299 (16.1)</td>
<td>296 (15.7)</td>
</tr>
</tbody>
</table>

Data are shown in mean value (SD).
LogMAR = Logarithm of the minimum angle of resolution; BCVA = best-corrected visual acuity.
### Supplemental Table 2. Macular Thickness Reduction from Baseline in the Inner Ring after Macular Hole Surgery

<table>
<thead>
<tr>
<th></th>
<th>1 Month</th>
<th>2 Months</th>
<th>3 Months</th>
<th>6 Months</th>
<th>9 Months</th>
<th>12 Months</th>
<th>24 Months</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inner superior</td>
<td>29.8(36.2)</td>
<td>32.7(36.0)</td>
<td>36.0(34.2)</td>
<td>39.4(33.2)</td>
<td>39.2(34.5)*</td>
<td>40.8(33.4)*</td>
<td>44.1(35.9)*</td>
</tr>
<tr>
<td>Inner temporal</td>
<td>31.6(30.9)</td>
<td>33.7(32.2)</td>
<td>38.6(29.2)</td>
<td>42.3(29.2)</td>
<td>43.1(28.3)*</td>
<td>44.3(28.2)*</td>
<td>48.8(28.5)*</td>
</tr>
<tr>
<td>Inner inferior</td>
<td>22.1(30.2)</td>
<td>19.7(36.1)</td>
<td>25.2(29.2)</td>
<td>27.5(30.4)</td>
<td>28.7(28.8)</td>
<td>29.3(28.3)</td>
<td>32.9(28.9)</td>
</tr>
<tr>
<td>Inner nasal</td>
<td>19.7(37.5)</td>
<td>17.8(37.9)</td>
<td>18.9(35.8)</td>
<td>19.7(37.3)</td>
<td>18.7(35.4)</td>
<td>20.3(34.3)</td>
<td>22.3(34.6)</td>
</tr>
</tbody>
</table>

*P* value: 0.57 0.29 0.14 0.076 0.048 0.042 0.029

Data are shown in mean value (SD).

*P* < 0.05 compared with inner nasal (analysis of variance with post hoc comparisons by the Fisher’s PLSD test)
Supplemental Table 3. Macular Thickness Reduction in Outer Ring from Baseline after Macular Hole Surgery

<table>
<thead>
<tr>
<th></th>
<th>1 Month</th>
<th>2 Months</th>
<th>3 Months</th>
<th>6 Months</th>
<th>9 Months</th>
<th>12 Months</th>
<th>24 Months</th>
</tr>
</thead>
<tbody>
<tr>
<td>Outer superior</td>
<td>-8.3(13.1)</td>
<td>-7.0(13.3)</td>
<td>-4.0(13.8)</td>
<td>-0.2(13.7)</td>
<td>1.0(14.9)</td>
<td>3.4(13.5)</td>
<td>7.0(14.2)</td>
</tr>
<tr>
<td>Outer temporal</td>
<td>-5.2(10.7)</td>
<td>-6.3(12.7)</td>
<td>-3.6(12.5)</td>
<td>-0.2(14.6)</td>
<td>2.0(13.1)</td>
<td>3.3(13.6)</td>
<td>7.3(13.8)</td>
</tr>
<tr>
<td>Outer inferior</td>
<td>-12.7(14.2)</td>
<td>-12.7(15.2)</td>
<td>-9.3(13.9)</td>
<td>-4.5(15.9)</td>
<td>-2.7(16.1)</td>
<td>-2.3(18.2)</td>
<td>1.6(18.4)</td>
</tr>
<tr>
<td>Outer nasal</td>
<td>-13.3(15.3)</td>
<td>-12.1(16.6)</td>
<td>-7.3(18.1)</td>
<td>-5.0(16.1)</td>
<td>-3.5(17.3)</td>
<td>-2.4(15.9)</td>
<td>0.3(17.1)</td>
</tr>
<tr>
<td><em>P value</em></td>
<td>0.14</td>
<td>0.31</td>
<td>0.50</td>
<td>0.56</td>
<td>0.56</td>
<td>0.37</td>
<td>0.32</td>
</tr>
</tbody>
</table>

Data are shown in mean value (SD).

*P* <0.05 compared with inner nasal (analysis of variance with post hoc comparisons by the Fisher’s PLSD test)
Supplemental Table 4. Macular Thickness Percent Reduction Rate in the Inner Ring after Macular Hole Surgery

<table>
<thead>
<tr>
<th></th>
<th>1 Month</th>
<th>2 Months</th>
<th>3 Months</th>
<th>6 Months</th>
<th>9 Months</th>
<th>12 Months</th>
<th>24 Months</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inner superior</td>
<td>7.6(8.8)</td>
<td>8.4(8.8)</td>
<td>9.4(8.2)*</td>
<td>10.4(7.8)*</td>
<td>10.3(8.0)*</td>
<td>10.8(7.7)*</td>
<td>11.7(8.4)*</td>
</tr>
<tr>
<td>Inner temporal</td>
<td>8.7(7.9)</td>
<td>9.4(8.4)</td>
<td>10.9(7.3)*</td>
<td>11.9(7.2)*</td>
<td>12.2(6.9)*</td>
<td>12.6(6.9)*</td>
<td>13.9(7.0)*</td>
</tr>
<tr>
<td>Inner inferior</td>
<td>5.9(7.8)</td>
<td>5.2(9.7)</td>
<td>6.8(7.5)</td>
<td>7.4(7.8)</td>
<td>7.8(7.3)</td>
<td>8.0(7.3)</td>
<td>9.0(7.5)</td>
</tr>
<tr>
<td>Inner nasal</td>
<td>4.6(9.2)</td>
<td>4.1(9.4)</td>
<td>4.4(8.8)</td>
<td>4.6(9.1)</td>
<td>4.4(8.5)</td>
<td>4.8(8.3)</td>
<td>5.4(8.3)</td>
</tr>
</tbody>
</table>

*P < 0.05 compared with inner nasal (analysis of variance with post hoc comparisons by the Fisher’s PLSD test)

Data are shown in mean value (SD).
<table>
<thead>
<tr>
<th></th>
<th>1 Month</th>
<th>2 Months</th>
<th>3 Months</th>
<th>6 Months</th>
<th>9 Months</th>
<th>12 Months</th>
<th>24 Months</th>
</tr>
</thead>
<tbody>
<tr>
<td>Outer superior</td>
<td>-3.2(4.8)</td>
<td>-2.7(4.8)</td>
<td>-1.6(4.9)</td>
<td>-0.3(4.7)</td>
<td>0.1(5.2)</td>
<td>1.1(4.6)</td>
<td>2.3(4.9)</td>
</tr>
<tr>
<td>Outer temporal</td>
<td>-2.1(4.1)</td>
<td>-2.6(4.9)</td>
<td>-1.6(4.7)</td>
<td>-0.3(5.5)</td>
<td>0.6(4.9)</td>
<td>1.1(5.1)</td>
<td>2.6(5.2)</td>
</tr>
<tr>
<td>Outer inferior</td>
<td>-5.0(5.5)</td>
<td>-5.0(5.8)</td>
<td>-3.8(5.4)</td>
<td>-1.9(6.0)</td>
<td>-1.2(6.1)</td>
<td>-1.1(7.0)</td>
<td>0.4(7.0)</td>
</tr>
<tr>
<td>Outer nasal</td>
<td>-4.8(5.7)</td>
<td>-4.4(6.0)</td>
<td>-2.8(6.5)</td>
<td>-2.0(5.8)</td>
<td>-1.5(6.2)</td>
<td>-1.1(5.7)</td>
<td>-0.2(6.1)</td>
</tr>
</tbody>
</table>

P value

0.19 0.32 0.46 0.54 0.52 0.34 0.27

Data are shown in mean value (SD).

*P <0.05 compared with inner nasal (analysis of variance with post hoc comparisons by the Fisher’s PLSD test)
Supplemental Figure 1A

Percent Reduction Rate of Average Regional Macular Thickness (%) vs Time (months)

- ▲ Inner superior
- ○ Inner temporal
- ● Inner inferior
- □ Inner nasal
Supplemental Figure 1B
Figure Legend for Supplemental Figure

Supplemental Figure 1. Temporal changes of percent reduction rate of postoperative average regional macular thickness as a function of the preoperative baseline thickness.

A: Average retinal thickness in the inner ring sectors.
B: Average retinal thickness in the outer ring sectors.