Supplementary Material

CO₂ laser assisted sclerectomy surgery alone or combined with phacoemulsification in primary open angle glaucoma: comparison of 1-year outcomes

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Supplementary Table 1. Success rate at each timepoint in CLASS + Phaco and CLASS group during the one-year follow-up.

| Timepoint | CLASS + Phaco |       | CLASS |       |
|-----------|---------------|-------|-------|-------|
|           | CS% | QS% | CS + QS % | F% | CS% | QS% | CS + QS % | F% |
| 1 Week    | 65.2 | 4.3 | 69.6 | 30.4 | 91.3 | 4.3 | 95.6 | 4.3 |
| 2 Week    | 47.8 | 13.0 | 60.9 | 39.1 | 56.5 | 26.1 | 82.6 | 17.4 |
| 1 Month   | 47.8 | 13.0 | 60.9 | 39.1 | 34.8 | 52.2 | 87.0 | 13  |
| 2 Month   | 73.9 | 4.3 | 78.3 | 21.7 | 60.9 | 30.4 | 91.3 | 8.7 |
| 3 Month   | 56.5 | 4.3 | 60.9 | 39.1 | 82.6 | 17.4 | 100  | 0   |
| 6 Month   | 47.8 | 13.0 | 60.9 | 39.1 | 73.9 | 26.1 | 100  | 0   |
| 9 Month   | 43.5 | 17.4 | 60.9 | 39.1 | 82.6 | 17.4 | 100  | 0   |
| 12 Month  | 39.1 | 13.0 | 52.2 | 47.8 | 69.6 | 26.1 | 95.7 | 4.3 |

CLASS: CO₂ laser assisted sclerectomy surgery; Phaco: phacoemulsification; CS%: complete success rate, QS%: qualified success rate; F%: failure rate.
Supplementary Table 2. Summary of postoperative interventions of the patients after CLASS + Phaco and CLASS.

| No.  | CLASS + Phaco | CLASS |
|------|---------------|-------|
|      | 1D  | 1W  | 2W  | 1M  | 2M  | 3M  | 6M  | 9M  | 12M | 1D  | 1W  | 2W  | 1M  | 2M  | 3M  | 6M  | 9M  | 12M |
| No. 1| PAS |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| No. 2|     |     |     |     |     |     |     |     |     |     | PAS |     |     |     |     |     |     |     |
| No. 3|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| No. 4|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| No. 5|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| No. 6| PAS |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| No. 7|     |     |     |     |     |     |     |     |     |     | PAS |     |     |     |     |     |     |     |
| No. 8| LGP |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| No. 9| LGP |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| No. 10|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| No. 11|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| No. 12|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| No. 13|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| No. 14|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| No. 15|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| No. 16|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| No. 17|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| No. 18|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| No. 19|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| No. 20|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| No. 21|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| No. 22|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| No. 23|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |

CLASS: CO₂ laser assisted sclerectomy surgery; Phaco: phacoemulsification; D: day; W: week; M: month; PAS: peripheral anterior synechia, LGP: Nd:YAG laser goniopuncture; repositioning: surgical repositioning to deal with iris incarceration.