**Table S1 Distributions of the tilt and decentration of crystalline lens and IOL before and 3 months after cataract surgery**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Crystalline lens** | **Intraocular lens** | ***P value*** |
| Tilt (degree), Mean (SD) | 4.98 (1.42) | 5.14 (1.51) |  |
| Median (IQR) | 5.00 (4.10, 5.90) | 5.10 (4.10,6.00) | 0.263 |
| Tilt < 5°, n (%) | 102 (49.28) | 97 (46.86) |  |
| 5° ≤ Tilt < 7°, n (%) | 88 (42.51) | 86 (41.55) |  |
| Tilt ≥ 7°, n (%) | 17 (8.21) | 24 (11.59) |  |
|   |  |  | 0.511 |
| Decentration (mm), Mean (SD) | 0.19 (0.12) | 0.20 (0.11) |  |
|  Median (IQR) | 0.18 (0.11,0.26) | 0.18 (0.11,0.26) | 0.692 |
| Decentration < 0.4 mm, n (%) | 193 (93.24) | 191 (92.27) |  |
| Decentration ≥ 0.4 mm, n (%) | 14 (6.76) | 16 (7.73) |  |
|  |  |  | 0.705 |

IQR= interquartile range; SD= Standard Deviation.

**Table S2 Distributions of the tilt of crystalline lens and IOL with different axial lengths.**

|  |  |  |
| --- | --- | --- |
|  | **Crystalline lens** | **Intraocular lens** |
| Tilt (degree), Median (IQR) | 5.00 (4.10, 5.90) | 5.10 (4.10,6.00) |
| AL< 22 mm | 6.10 (5.00,6.50) | 5.20 (4.60,6.50) |
| 22 mm ≤ AL< 24 mm | 5.10 (4.35,6.00) | 5.20 (4.10,6.20) |
| 24 mm ≤ AL< 26 mm | 4.45 (3.35,5.08) | 4.45 (3.83,5.50) |
| ***P value*** | <0.001 | 0.029 |

IQR= interquartile range; AL= Axial length.