

Table S1. Univariable and multivariable logistic regression analyses of dry eye subjective symptoms and objective signs in relation to the history of cataract surgeries in both sexes.

| Characteristics | Men | | | | Women | | | |
|------------------------------------|----------------------------|---------|--------------------------------|---------|----------------------------|---------|--------------------------------|---------|
| | Univariable OR (95% CI) | P Value | Multivariable OR (95% CI)** | P Value | Univariable OR (95% CI) | P Value | Multivariable OR (95% CI)** | P Value |
| Subjective Symptoms | | | | | | | | |
| Dry sensation | 1.02 (0.44–2.38) | 0.95 | 1.00 (0.40–2.55) | 0.98 | 0.63 (0.40–0.99) | 0.05 | 1.04 (0.63–1.72) | 0.88 |
| Foreign-body sensation | 1.72 (0.76–3.87) | 0.19 | 1.09 (0.44–2.71) | 0.85 | 1.03 (0.65–1.61) | 0.91 | 1.02 (0.63–1.66) | 0.93 |
| Ocular pain | 0.94 (0.12–7.57) | 0.95 | 1.79 (0.19–17.1) | 0.61 | 0.77 (0.36–1.64) | 0.50 | 0.85 (0.38–1.91) | 0.70 |
| Ocular fatigue | 0.98 (0.51–1.89) | 0.95 | 1.19 (0.58–2.44) | 0.63 | 0.74 (0.49–1.12) | 0.16 | 0.94 (0.60–1.47) | 0.79 |
| Sensitivity to bright light | 0.92 (0.38–2.24) | 0.85 | 0.89 (0.34–2.32) | 0.80 | 0.54 (0.31–0.95) | 0.03 | 0.49 (0.27–0.88) | 0.02 |
| Blurred vision | 1.26 (0.63–2.55) | 0.51 | 0.88 (0.41–1.89) | 0.74 | 0.83 (0.50–1.39) | 0.49 | 0.76 (0.44–1.31) | 0.32 |
| Objective Signs[†] | | | | | | | | |
| Short tear break-up time | 1.59 (0.91–2.78) | 0.11 | 1.36 (0.74–2.50) | 0.32 | 1.06 (0.71–1.58) | 0.80 | 1.17 (0.76–1.79) | 0.48 |
| Corneal epitheliopathy | 1.96 (0.98–3.93) | 0.06 | 1.93 (0.88–4.23) | 0.10 | 1.41 (0.94–2.12) | 0.10 | 1.53 (0.98–2.39) | 0.06 |
| Short maximum blinking interval | 1.50 (0.80–2.83) | 0.21 | 0.90 (0.44–1.82) | 0.77 | 1.28 (0.86–1.90) | 0.22 | 1.00 (0.65–1.52) | 0.98 |

[†] Abnormal ocular surface parameters were defined as follows: tear break-up time ≤ 5 s, the presence of corneal epitheliopathy (keratoconjunctival staining score ≥ 3 points according to the Japanese dry eye criteria), and maximum blinking interval < 10 s. ^{**} Adjusted for age (in 10-year age groups), sex (male vs. female), and the use of dry eye medications (yes vs. no). Abbreviations: CI: confidence interval; OR: odds ratio.

Table S2. Association between maximum blinking interval and other dry eye objective signs in the no subjective dry eye symptoms strata *

| Characteristics | Maximum Blinking Interval | | | | | |
|--|--|-------------------------------|-----------------------|-----------------------|------------------------------------|-----------------------|
| | Dry Sensation (-) | Foreign-Body Sensation (-) | Ocular Pain (-) | Ocular Fatigue (-) | Sensitivity to Bright Light (-) | Blurred Vision (-) |
| | Spearman Correlation Coefficient (P Value) | | | | | |
| Tear Break-Up Time | | | | | | |
| No surgery | 0.28 (<0.001) | 0.30 (<0.001) | 0.27 (<0.001) | 0.26 (<0.001) | 0.28 (<0.001) | 0.26 (<0.001) |
| Postcataract surgeries | 0.24 (0.004) | 0.30 (<0.001) | 0.27 (<0.001) | 0.27 (0.003) | 0.26 (0.001) | 0.23 (0.005) |
| Keratoconjunctival Staining Score | | | | | | |
| No surgery | -0.15 (<0.001) | -0.18 (<0.001) | -0.15 (<0.001) | -0.16 (<0.001) | -0.15 (<0.001) | -0.16 (<0.001) |
| Postcataract surgeries | -0.14 (0.10) | -0.17 (0.05) | -0.18 (0.02) | -0.26 (0.004) | -0.22 (0.007) | -0.16 (0.05) |

* Spearman correlation coefficients between maximum blinking interval and tear break-up time or keratoconjunctival staining score.