# SUPPLEMENTAL TABLES

**Supplemental Table 1** ***Distribution of predictive parameters.***

|  |  |  |  |
| --- | --- | --- | --- |
| Source | Feature | Mean | SD |
| Demographic | Age (years) | 32.1 | 7.0 |
| Manifest Refraction Sphere (D) | -4.86 | 3.36 |
| Manifest Refraction Cylinder (D) | -0.92 | 1.01 |
| Implanted ICL Diameter (mm) | 12.96 | 0.35 |
| Implanted ICL Spherical Equivalent (D) | -5.93 | 3.51 |
| OCT | Horizontal Visible Iris Diameter (mm) | 11.82 | 0.42 |
| Pupillary Diameter (mm) | 4.05 | 0.69 |
| Central Corneal Thickness (mm) | 0.546 | 0.034 |
| Anterior Chamber Depth (mm) | 3.27 | 0.23 |
| Scleral Spur to Scleral Spur (mm) | 12.40 | 0.47 |
| Crystalline Lens Rise (mm) | -0.24 | 0.16 |
| Corneal Volume (mm3) | 57.62 | 3.34 |
| Mean anterior keratometry 3mm zone (D) | 43.75 | 1.80 |
| Mean anterior keratometry 5mm zone (D) | 43.71 | 1.80 |
| Mean anterior keratometry 7mm zone (D) | 43.55 | 1.78 |
| Mean posterior keratometry 3mm zone (D) | -6.234 | 0.28 |
| Mean posterior keratometry 5mm zone (D) | -6.220 | 0.28 |
| Mean posterior keratometry 7mm zone (D) | -6.188 | 0.28 |
| Biometry | Axial length (mm) | 25.50 | 1.54 |
| Anterior Chamber Depth (mm) | 3.70 | 0.23 |
| Lens Thickness (mm) | 3.79 | 0.31 |
| White to White (mm) | 12.32 | 0.40 |
| Mean Anterior Keratometry (D) | 43.701 | 1.77 |
| Mean Total Keratometry (D) | 43.74 | 1.77 |
| Central Corneal Thickness (µm) | 546.43 | 34.13 |
| Pupillary Diameter (mm) | 5.21 | 0.90 |

**Supplemental Table 2.** ***Overview of previously published formulae.***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Formula | Country | Diagnostic equipment | Training set (eyes/patients) | SEQ | Test set (eyes/patients) |
| Dougherty et al. (2011)17 | United States | UBM | 73(48) | na | na |
| Kojima (2012)13 | Japan | UBM | 47(25) | -9.70 ± 3.47 | 43(81) |
| NK1 (2018)18 | Japan | AS-OCT | 46(23) | na | 35(18) |
| Igarashi et al. (2019)20 | Japan | AS-OCT | 44(23) | -6.23 ± 3.41 | na |
| NK2 (2020)19 | Japan | AS-OCT | 81(41) | na | 68(42) |
| Trancón et al. (2020) 21 | Spain | AS-OCT | 360(360) | -9.88 [-20; 4] | na |
| Kamiya et al. (2021) 22 | Japan, Korea | AS-OCT | 1745(1745) | -9.56 ± 3.10 | 349(349) |
| Kang et al (2021)23 | Japan, Korea | AS-OCT | 2756(na) | −8.98 ± 2.08 | 693(na) |
| LASSO (2022) | Belgium | AS-OCT/Biometery/Combination | 115(59) |  -5.32 ± 3.38 | 37/19 |