|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | ICC | Lower CI | Upper CI | N | K | $$σ\_{ε}^{2}$$ | $$σ\_{a}^{2}$$ |
| Average Pit Depth (mm) | 0.993 | 0.989 | 0.995 | 58 | 2.24 | 2.77e-6 | 0.000413 |
| Central Fovea Thickness (mm)  | 0.991 | 0.986 | 0.995 | 58 | 2.24 | 2.05e-6 | 0.000252 |
| Average Rim Height (mm)  | 0.994 | 0.990 | 0.996 | 58 | 2.24 | 2.31e-6 | 0.000403 |
| Average Rim Disk Diameter (mm) | 0.987 | 0.980 | 0.992 | 58 | 2.24 | 0.000134 | 0.011047 |
| Rim Disk Area (mm2) | 0.987 | 0.979 | 0.992 | 58 | 2.24 | 0.001584 | 0.124467 |
| Major Rim Disk Length (mm) | 0.987 | 0.979 | 0.992 | 58 | 2.24 | 4.61e-5 | 0.003626 |
| Minor Rim Disk Length (mm) | 0.984 | 0.974 | 0.990 | 58 | 2.24 | 5.39e-5 | 0.003421 |
| Average Slope Disk Diameter (mm) | 0.980 | 0.968 | 0.988 | 58 | 2.24 | 0.000535 | 0.026631 |
| Slope Disk Area (mm2) | 0.974 | 0.958 | 0.984 | 58 | 2.24 | 0.000911 | 0.0343 |
| Major Slope Disk Length (mm) | 0.969 | 0.950 | 0.981 | 58 | 2.24 | 3.73e-5 | 0.001172 |
| Minor Slope Disk Length (mm) | 0.979 | 0.966 | 0.987 | 58 | 2.24 | 1.66e-5 | 0.000778 |
| Average Pit Flat Disk Diameter (mm) | 0.977 | 0.963 | 0.986 | 58 | 2.24 | 7.22e-5 | 0.003095 |
| Pit Flat Disk Area (mm2) | 0.968 | 0.949 | 0.980 | 58 | 2.24 | 1.65e-5 | 0.000512 |
| Major Pit Flat Disk Length (mm) | 0.965 | 0.944 | 0.978 | 58 | 2.24 | 5.85e-7 | 1.64e-5 |
| Minor Pit Flat Disk Length (mm) | 0.970 | 0.951 | 0.981 | 58 | 2.24 | 3.86e-7 | 1.26e-5 |
| Rim Volume (mm3) | 0.994 | 0.991 | 0.996 | 58 | 2.24 | 0.000114 | 0.021709 |
| Inner Rim Volume (mm3) | 0.984 | 0.975 | 0.990 | 58 | 2.24 | 7.60e-6 | 0.000488 |
| Pit Volume (mm3) | 0.964 | 0.943 | 0.978 | 58 | 2.24 | 9.13e-5 | 0.002496 |
| Average Maximum Pit Slope (Degrees) | 0.981 | 0.969 | 0.988 | 58 | 2.24 | 0.20674 | 10.71978 |

**Table e-1:** Assessment of consistency for foveal shape parameters.

The consistency of the foveal shape parameters was assessed using the intra-class correlation coefficient (ICC) (ICC package, R), based on the variance components from a one-way ANOVA. We queried our database for eyes with more than one vertical OCT scans (min=2, max=3, median=2) on the same visit (25°×30°, 61 B-scans with 768 A-scans per each B-scan, ART = 15), calculated the foveal shape parameters, and performed ICC analysis to assess the consistency of the parameters. The OCT scans were from 48 eyes (58 time points) of 28 subjects with multiple sclerosis, clinically isolated syndrome, and neuromyelitis optica spectrum disorders as well as healthy controls.

Abbreviations: ICC = intra-class correlation coefficient; CI = 95% confidence interval; N = number of eyes; K = average number of measurements per eye; $σ\_{ε}^{2}$ = within group variance; $σ\_{a}^{2}$ = among group variance; min = minimum; max = maximum.