|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | MS ON- [Mean ± SD] | MS ON+ [Mean ± SD] | NMOSD ON- [Mean ± SD] | NMOSD ON+ [Mean ± SD] | NMOSD ON- vs MS ON- [AUC] | NMOSD ON+ vs MS ON+ [AUC] |
| Average Pit Depth (mm) | 0.113 ± 0.019 | 0.105 ± 0.013 | 0.107 ± 0.023 | 0.090 ± 0.028 | 0.569 | 0.642 |
| Central Fovea Thickness (mm) | 0.230 ± 0.018 | 0.228 ± 0.014 | 0.228 ± 0.017 | 0.227 ± 0.017 | 0.526 | 0.582 |
| Average Rim Height (mm) | 0.343 ± 0.016 | 0.333 ± 0.014 | 0.335 ± 0.014 | 0.317 ± 0.020 | 0.622 | **0.732** |
| Average Rim Disk Diameter (mm) | 2.165 ± 0.112 | 2.116 ± 0.099 | 2.157 ± 0.133 | 2.093 ± 0.117 | 0.522 | 0.590 |
| Rim Disk Area (mm2) | 3.651 ± 0.376 | 3.486 ± 0.335 | 3.628 ± 0.448 | 3.412 ± 0.390 | 0.522 | 0.590 |
| Major Rim Disk Length (mm) | 0.619 ± 0.064 | 0.595 ± 0.057 | 0.615 ± 0.076 | 0.577 ± 0.068 | 0.522 | 0.607 |
| Minor Rim Disk Length (mm) | 0.607 ± 0.062 | 0.576 ± 0.056 | 0.604 ± 0.074 | 0.569 ± 0.063 | 0.523 | 0.568 |
| Average Slope Disk Diameter (mm) | 0.656 ± 0.146 | 0.647 ± 0.169 | 0.776 ± 0.143 | 0.762 ± 0.128 | **0.737** | **0.745** |
| Slope Disk Area (mm2) | 0.358 ± 0.171 | 0.356 ± 0.206 | 0.493 ± 0.172 | 0.474 ± 0.153 | **0.738** | **0.745** |
| Major Slope Disk Length (mm) | 0.068 ± 0.033 | 0.068 ± 0.039 | 0.092 ± 0.031 | 0.088 ± 0.026 | **0.731** | **0.737** |
| Minor Slope Disk Length (mm) | 0.052 ± 0.025 | 0.051 ± 0.030 | 0.073 ± 0.027 | 0.071 ± 0.026 | **0.745** | **0.756** |
| Average Pit Flat Disk Diameter (mm) | 0.210 ± 0.037 | 0.213 ± 0.045 | 0.251 ± 0.037 | 0.267 ± 0.069 | **0.794** | **0.803** |
| Pit Flat Disk Area (mm2) | 0.036 ± 0.014 | 0.037 ± 0.018 | 0.051 ± 0.015 | 0.060 ± 0.035 | **0.795** | **0.806** |
| Major Pit Flat Disk Length (mm) | 0.0065 ± 0.0025 | 0.0067 ± 0.0032 | 0.0090 ± 0.0026 | 0.0110 ± 0.0069 | **0.781** | **0.817** |
| Minor Pit Flat Disk Length (mm) | 0.0055 ± 0.0021 | 0.0058 ± 0.0028 | 0.0079 ± 0.0023 | 0.0090 ± 0.0050 | **0.804** | **0.781** |
| Rim Volume (mm3) | 1.004 ± 0.138 | 0.929 ± 0.100 | 0.953 ± 0.165 | 0.842 ± 0.158 | 0.591 | 0.670 |
| Inner Rim Volume (mm3) | 0.103 ± 0.018 | 0.102 ± 0.019 | 0.089 ± 0.016 | 0.086 ± 0.014 | **0.737** | **0.785** |
| Pit Volume (mm3) | 0.250 ± 0.049 | 0.235 ± 0.054 | 0.268 ± 0.046 | 0.246 ± 0.037 | 0.616 | 0.604 |
| Average Maximum Pit Slope (Degrees) | 11.26 ± 2.63 | 10.68 ± 1.66 | 10.52 ± 2.82 | 8.81 ± 3.34 | 0.557 | 0.654 |
| pRNFL (µm) | 94.2 ± 14.6 | 82 ± 13.6 | 93.4 ± 11.1 | 61.7 ± 21.5 | 0.508 | **0.773** |
| GCIPL (mm3) | 1.88 ± 0.23 | 1.70 ± 0.20 | 1.83 ± 0.18 | 1.47 ± 0.29 | 0.566 | **0.720** |
| INL (mm3) | 0.96 ± 0.06 | 0.97 ± 0.07 | 0.91 ± 0.07 | 0.98 ± 0.09 | 0.691 | 0.506 |
| FT (µm) | 272.7 ± 21.2 | 270.4 ± 17.9 | 264.4 ± 15.4 | 260.5 ± 14.1 | 0.639 | **0.720** |

**Table e-2:** Detailed statistics and ROC analysis of the fovea shape analysis and standard OCT parameters.

Abbreviations: NMOSD = patients with neuromyelitis optica spectrum disorders; MS = patients with multiple sclerosis; ON- = eyes without a history of ON; ON+ = eyes with a history of ON; ON = optic neuritis; SD = standard deviation; AUC = area under the curve; vs = versus; pRNFL = peripapillary retinal nerve fiber layer thickness; GCIPL = combined macular ganglion cell and inner plexiform layer volume; INL = inner nuclear layer volume; FT = foveal thickness.

AUC values equal or above 0.7 are marked in bold.