**Supplementary table 1.** Comparison of sensitivity, specificity, positive likelihood ratios (+LR), area under the receiver operating characteristic curves (AUCs) of optical coherence tomography (OCT), steady-state pattern electroretinogram (ssPERG), visual field (VF) parameters, and combined index with age, refractive error, and central corneal thickness adjusted.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Parameters | Sensitivity | Specificity | +LR | AUC | P valuea | P valueb |
| **ssPERG** |  |  |  |  |  |  |
| PERGratio | 0.811 | 0.926 | 10.946 | 0.917 |  | 0.067 |
| 16° N1 (ms) | 0.270 | 0.926 | 3.649 | 0.615 | <0.001\* | <0.001\* |
| 16° P1 (ms) | 0.338 | 0.852 | 2.280 | 0.614 | <0.001\* | <0.001\* |
| 16° N1-P1 (µV) | 0.351 | 0.926 | 4.743 | 0.616 | <0.001\* | <0.001\* |
| 0.8° N1 (ms) | 0.514 | 0.741 | 1.981 | 0.633 | <0.001\* | <0.001\* |
| 0.8° P1 (ms) | 0.446 | 0.796 | 2.189 | 0.627 | <0.001\* | <0.001\* |
| 0.8° N1-P1 (µV) | 0.770 | 0.685 | 2.447 | 0.792 | 0.007\* | <0.001\* |
| **OCT** |  |  |  |  |  |  |
| Average cpRNFL thickness (μm) | 0.811 | 0.741 | 3.127 | 0.839 | 0.068 | <0.001\* |
| superior quadrant cpRNFL thickness (μm) | 0.784 | 0.685 | 2.490 | 0.794 | 0.008\* | <0.001\* |
| inferior quadrant cpRNFL thickness (μm) | 0.635 | 0.907 | 6.859 | 0.855 | 0.125 | 0.001\* |
| 6 o’clock cpRNFL thickness (μm) | 0.730 | 0.759 | 3.031 | 0.813 | 0.021\* | <0.001\* |
| 7 o’clock cpRNFL thickness (μm) | 0.865 | 0.759 | 3.593 | 0.879 | 0.322 | 0.006\* |
| 11 o’clock cpRNFL thickness (μm) | 0.689 | 0.759 | 2.863 | 0.773 | 0.003\* | <0.001\* |
| Average GCIPL thickness (μm) | 0.649 | 0.815 | 3.503 | 0.751 | 0.001\* | <0.001\* |
| Minimum GCIPL thickness (μm) | 0.811 | 0.741 | 3.127 | 0.816 | 0.028\* | <0.001\* |
| inferior sector GCIPL thickness (μm) | 0.581 | 0.852 | 3.922 | 0.772 | 0.003\* | <0.001\* |
| superotemporal sector GCIPL thickness (μm) | 0.446 | 0.944 | 8.027 | 0.737 | <0.001\* | <0.001\* |
| inferotemporal sector GCIPL thickness (μm) | 0.784 | 0.704 | 2.645 | 0.816 | 0.023\* | <0.001\* |
| **Visual field test** |  |  |  |  |  |  |
| VFI (%) | 0.757 | 0.741 | 2.919 | 0.806 | 0.015\* | <0.001\* |
| MD (dB) | 0.662 | 0.778 | 2.980 | 0.762 | 0.002\* | <0.001\* |
| PSD (dB) | 0.743 | 0.759 | 3.087 | 0.801 | 0.011\* | <0.001\* |
| **Combined index** |  |  |  |  |  |  |
| PERGratio + 7 o’clock cpRNFL thickness | 0.905 | 0.907 | 9.778 | 0.967 | 0.067 |  |
| 7 o’clock cpRNFL thickness + VFI | 0.703 | 0.981 | 37.946 | 0.887 | 0.416 | 0.009\* |
| 7 o’clock cpRNFL thickness + MD | 0.676 | 0.963 | 18.243 | 0.882 | 0.355 | 0.007\* |
| 7 o’clock cpRNFL thickness + PSD | 0.689 | 0.944 | 12.405 | 0.890 | 0.461 | 0.011\* |

VFI = Visual Field Index; MD = mean deviation; PSD = pattern standard deviation; PERGratio = pattern electroretinogram ratio; GCIPL = ganglion cell-inner plexiform layer; cpRNFL = circumpapillary retinal nerve fiber layer.

apairwise comparison with PERGratio

bpairwise comparison with combined index of PERGratio and 7 o’clock cpRNFL thickness

P-values from DeLong's test for pairwise AUC comparisons

\*Indicates statistical significance.