**Table 1: Comparison of oxygen saturation and vessel diameter between CSC affected eyes and healthy young people’s normal eyes.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Variables | Affected Eyes | Healthy Eyes | Statistical Method | *P*-value |
| AS (%) | Overall | 96.6 ± 7.0 | 93.5 ± 6.8 | Mann-Whitney U test  | 0.019\* |
| NS | 101.2 ± 7.9 | 98.4 ± 9.6 | Mann-Whitney U test  | 0.093\* |
| NI | 98.0 ± 10.2 | 96.2 ± 11.3 | Mann-Whitney U test  | 0.274 |
| TI | 93.2 ± 10.2 | 89.3 ± 8.8 | Unpaired *t*-test | 0.030\* |
| TS | 94.5 ± 8.0 | 90.4 ± 9.0 | Mann-Whitney U test  | 0.008\* |
| VS (%) | Overall | 60.9 ± 6.2 | 60.8 ± 5.8 | Mann-Whitney U test  | 0.965 |
| NS | 62.4 ± 7.1 | 63.3 ± 7.5 | Unpaired *t*-test | 0.512 |
| NI | 61.3 ± 7.3 | 60.2 ± 7.8 | Mann-Whitney U test  | 0.357 |
| TI | 53.4 ± 8.7 | 58.6 ± 7.8 | Unpaired *t*-test | 0.001\* |
| TS | 61.1 ± 8.8 | 61.0 ± 7.7 | Mann-Whitney U test  | 0.845 |
| AVS (%) | Overall | 35.7 ± 6.5 | 32.6 ± 8.3 | Mann-Whitney U test  | 0.024\* |
| NS | 38.8 ± 9.3 | 35.0 ± 9.9 | Mann-Whitney U test  | 0.020\* |
| NI | 36.7 ± 10.4 | 36.0 ± 12.5 | Mann-Whitney U test  | 0.568 |
| TI | 39.8 ± 10.7 | 30.7 ± 10.1 | Unpaired *t*-test | 0.000\* |
| TS | 33.4 ± 10.7 | 29.3 ± 10.5 | Mann-Whitney U test  | 0.083 |
| AD (pixel) | Overall | 13.0 ± 1.2 | 13.4 ± 1.3 | Unpaired *t*-test | 0.059 |
| NS | 12.8 ± 1.8 | 13.2 ± 1.8 | Unpaired *t*-test | 0.328 |
| NI | 12.5 ± 1.8 | 12.9 ± 2.0 | Unpaired *t*-test | 0.278 |
| TI | 13.8 ± 2.5 | 14.4 ± 2.3 | Unpaired *t*-test | 0.254 |
| TS | 13.4 ± 2.0 | 13.9 ± 2.3 | Mann-Whitney U test  | 0.156 |
| VD (pixel) | Overall | 17.3 ± 1.4 | 15.8 ± 1.4 | Unpaired *t*-test | 0.000\* |
| NS | 17.1 ± 2.1 | 15.7 ± 2.4 | Unpaired *t*-test | 0.002\* |
| NI | 15.8 ± 2.9 | 15.9 ± 3.0 | Unpaired *t*-test | 0.893 |
| TI | 19.9 ± 2.5 | 15.5 ± 3.0 | Unpaired *t*-test | 0.000\* |
| TS | 18.1 ± 2.7 | 16.8 ± 3.0 | Unpaired *t*-test | 0.030\* |

\**p* < 0.05.

**Table 2: Comparison of oxygen saturation and vessel diameter between CSC patients’ contralateral eyes and healthy young people’s normal eyes.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Variables | Contralateral Eyes | Healthy Eyes | Statistical Method | *P*-value |
| AS (%) | Overall | 95.4 ± 6.7 | 93.5 ± 6.8 | Mann-Whitney U test  | 0.136 |
| NS | 98.9 ± 8.1 | 98.4 ± 9.6 | Mann-Whitney U test  | 0.700 |
| NI | 98.5 ± 11.6 | 96.2 ± 11.3 | Mann-Whitney U test  | 0.079 |
| TI | 88.7 ± 7.7 | 89.3 ± 8.8 | Unpaired *t*-test | 0.729 |
| TS | 93.1 ± 6.2 | 90.4 ± 9.0 | Mann-Whitney U test  | 0.044\* |
| VS (%) | Overall | 58.8 ± 6.3 | 60.8 ± 5.8 | Mann-Whitney U test  | 0.155 |
| NS | 61.0 ± 7.6 | 63.3 ± 7.5 | Unpaired *t*-test | 0.110 |
| NI | 56.9 ± 6.5 | 60.2 ± 7.8 | Mann-Whitney U test  | 0.020\* |
| TI | 52.8 ± 9.0 | 58.6 ± 7.8 | Unpaired *t*-test | 0.000\* |
| TS | 61.3 ± 8.6 | 61.0 ± 7.7 | Mann-Whitney U test  | 0.531 |
| AVS (%) | Overall | 36.6 ± 6.3 | 32.6 ± 8.3 | Mann-Whitney U test  | 0.002\* |
| NS | 37.9 ± 9.7 | 35.0 ± 9.9 | Mann-Whitney U test  | 0.141 |
| NI | 41.5 ± 11.2 | 36.0 ± 12.5 | Mann-Whitney U test  | 0.002\* |
| TI | 35.9 ± 9.9 | 30.7 ± 10.1 | Unpaired *t*-test | 0.008\* |
| TS | 31.7 ± 8.5 | 29.3 ± 10.5 | Mann-Whitney U test  | 0.252 |
| AD (pixel) | Overall | 13.0 ± 1.2 | 13.4 ± 1.3 | Unpaired *t*-test | 0.114 |
| NS | 13.0 ± 1.8 | 13.2 ± 1.8 | Unpaired *t*-test | 0.629 |
| NI | 12.7 ± 1.7 | 12.9 ± 2.0 | Mann-Whitney U test  | 0.528 |
| TI | 13.8 ± 2.5 | 14.4 ± 2.3 | Unpaired *t*-test | 0.196 |
| TS | 14.2 ± 2.0 | 13.9 ± 2.3 | Mann-Whitney U test  | 0.304 |
| VD (pixel) | Overall | 16.8 ± 1.7 | 15.8 ± 1.4 | Unpaired *t*-test | 0.001\* |
| NS | 16.8 ± 2.2 | 15.7 ± 2.4 | Unpaired *t*-test | 0.021\* |
| NI | 16.1 ± 2.8 | 15.9 ± 3.0 | Mann-Whitney U test  | 0.995 |
| TI | 18.1 ± 3.4 | 15.5 ± 3.0 | Unpaired *t*-test | 0.000\* |
| TS | 17.0 ± 2.8 | 16.8 ± 3.0 | Unpaired *t*-test | 0.673 |

\**p* < 0.05.

Statistical method: the unpaired *t*-test or rank-sum test (Mann-Whitney U test) was used depending on the distribution of data (Shapiro-Wilk test; α = 0.05) and homogeneity of variance (*F*-test; α = 0.05): Unpaired *t*-test for normal distribution and homogeneous variance, ranks sum test (Mann-Whitney U test) for abnormal distribution or inhomogeneous variance.