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| **Table 1- Comparison of gestational age groups in terms of visual function and optical components** | | | | |
|  | <30 weeks  n= 29 | 30-<35 weeks  n=43 | ≥35 weeks  n= 45 | p |
| BCVA | 0.94±0.10 | 0.97±0.08 | 0.97±0.08 | 0.314 |
| SE (D) | 0.80±1.05 | 0.89±1.82 | 0.59±2.10 | 0.715 |
| Astigmatism (D) | -0,74±0.57 | -0.53±0.37 | -0.72±0.82 | 0..258 |
| Amblyopia | 2 (6.9%) | 2 (4.7%) | 4 (8.9%) | 0.733 |
| Strabismus | 4 (13.8%) | 3 (7.0%) | 2 (4.4%) | 0.330 |
| Stereopsis (”) | 71.79±91.37 | 45.64±39.12 | 43.64±24.46 | 0.070 |
| ACD (mm) | 2.94±0.33 | 3.08±0.28 | 3.09±0.25 | 0.077 |
| CCT (μm) | 548.34±30.65 | 546.11±33.24 | 555.33±32.99 | 0.406 |
| CC (D) | 44.80±1.62 | 43.93±1.34 | 43.17±1.21 | <0.001 |
| AL (mm) | 22.01±0.85 | 22.68±0.79 | 22.76±0.96 | 0.001 |

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| **Table 2 – Comparison of birth weight groups in terms of visual function and optical components** | | | | | |
|  | <1000 grs  n= 17 | 1000-<1500 grs  n= 28 | 1500-<2000grs  n= 21 | ≥2000 grs  n=51 | P |
| BCVA | 0.92±0.12 | 0.97±0.06 | 0.95±0.11 | 0.97±0.07 | 0.242 |
| SE (D) | 0.65±1.13 | 1.50±1.97 | 0.36±0.90 | 0.54±2.03 | 0.081 |
| Astigmatism (D) | -0.74±0.60 | -0.54±0.45 | -0.75±0.66 | -0.65±0.70 | 0.656 |
| Amblyopia | 1 (5.9%) | 2 (7.1%) | 2 (9.5%) | 3 (5.9%) | 0.952 |
| Strabismus | 2 (11.8%) | 3 (10.7%) | 3 (14.3%) | 1 (2.0%) | 0.221 |
| Stereopsis (”) | 88.75±118.54 | 50.00±35.78 | 38.50±18.93 | 45.31±31.54 | 0.023 |
| ACD (mm) | 2.88±0.35 | 2.96±0.27 | 3.19±0.21 | 3.11±0.26 | 0.001 |
| CCT (μm) | 549.00±26.82 | 554.92±33.37 | 544.79±33.09 | 550.73±34.03 | 0.784 |
| CC (D) | 45.11±1.78 | 44.43±1.22 | 43.39±1.50 | 43.32±1.20 | <0.001 |
| AL (mm) | 21.80±0.96 | 22.22±0.66 | 22.83±0.58 | 22.85±0.95 | <0.001 |

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| **Table 3 - Comparison of optical components among the three refractive groups** | | | | | | |
| Refractive error | BW <2000 g | | | BW ≥ 2000g | | |
| ACD (mm) | CC (D) | AL (mm) | ACD (mm) | CC (D) | AL (mm) |
| Myopia | 3.39±0.15 | 46.28±1.80 | 22.61±0.50 | 3.36±0.13 | 43.82±1.04 | 25.33±1.77 |
| Hyperopia | 2.91±0.28 | 43.94±1.53 | 22.19±0.90 | 3.03±0.25 | 43.38±1.23 | 22.56±0.64 |
| Emmetropia | 3.11±0.29 | 44.64±1.50 | 22.25±0.70 | 3.17±0.25 | 43.16±1.18 | 22.91±0.59 |
| p | 0.004 | 0.024 | 0.526 | 0.039 | 0.631 | <0.001 |

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| **Table 4- Ocular parameters according to the stage of ROP** | | | | | |
| Parameter | Without ROP  n=36 | ROP Stage 1  n=4 | ROP Stage 2  n=3 | ROP Stage 3  n=6 | p |
| GA (weeks) | 29.43±2.02 | 30.75±0.96 | 27.33±2.52 | 27.33±1.75 | 0.018 |
| BW (g) | 1193±263 | 1209±268 | 968±202 | 764±238 | 0.003 |
| SE (D) | 0.83±1.00 | 1.19±0.47 | 1.91±5.31 | 2.10±2.85 | 0.310 |
| Astigmatism (D) | -0.62±0.53 | -0.50±0.29 | -0.67±0.52 | -0.63±0.52 | 0.971 |
| ACD (mm) | 2.93±0.27 | 2.96±0.25 | 3.13±0.59 | 2.77±0.42 | 0.518 |
| CC (D) | 44.30±1.39 | 44.94±2.21 | 46.57±1.82 | 45.22±1.70 | 0.141 |
| AL (mm) | 22.30±0.70 | 21.87±1.36 | 21.83±0.79 | 21.28±0.98 | 0.060 |