|  |  |  |  |
| --- | --- | --- | --- |
| Groups  | Head defect (%) | Tail defect (%) | Sperm deformity index  |
| Non-diabetic control | 6.22 ± 0.43 | 5.22 ± 0.40 | 0.11±0.00 |
| Diabetic control | 31.33 ± 1.40\*\* | 31.00 ± 0.96\*\* | 0.62±0.03\*\* |
| Glimepiride 20:00h | 22.00 ± 0.81\*\*## | 18.42 ± 0.89\*\*## | 0.40±0.02\*\*## |
| Glim2000+Nife0800 | 17.80 ± 0.66\*\*## | 14.60 ± 0.40\*\*## | 0.32±0.01\*\*## |
| Glim2000+Nife0800+ALA0800 | 14.85 ± 0.26\*\*##b | 12.57 ± 0.36\*\*##b | 0.27±0.01\*\*##b |
| Glim2000+Nife0800+ALA1400 | 16.40 ± 0.67\*\*## | 14.80 ± 1.15\*\*## | 0.31±0.02\*\*## |
| Glim2000+Nife0800+ALA2000 | 14.14 ± 0.67\*\*##b | 11.28 ± 0.68\*\*##b | 0.25±0.01\*\*##b |