**Table 5.** Oxidative stress analysis comparison between baseline and HT treatments.

|  |  |  |
| --- | --- | --- |
|  | **Baseline****Mean ± SD** | **HTT****Mean ± SD** |
| TAS (mM) | 2.65 ± 0.74 | 3.89 ± 1.59 § |
| Thiols (µM) | 22.98 ± 2.75 | 24.29 ± 2.98 § |
| Nitrites (µM) | 7.02 ± 2.97 | 4.88 ± 2.59 § |
| Nitrates (µM) | 77.10 ± 59.65 | 64.72 ± 37.62 § |
| MDA (µM) | 0.40 ± 0.20 | 0.31 ± 0.26 \* |
| oxLDL (U/L) | 2.95 ± 1.02 | 1.82±1.24§ |

All parameters were evaluated before and after treatment. All results are expressed as mean ± standard deviation (SD). Statistical significance attributed to results with \*p<0.05 (between HT-AP and Baseline) after parametric test (student t-test) or non-parametric test (Wilcoxon-Mann-Whitney). §P<0.01 (between HTT and Baseline).

AP: acute phase; HTT: hydroxytyrosol treatment; TAS: total antioxidant status; oxLDL: oxidized low-density lipoprotein.