**Table 1**: Parasympathetic nervous system parameters in athletic subjectsa. Data presented as mean ±standard deviations (sd), except for latency which is expressed as median (min-max). For the pupillometry variables, mean of measurements of right and left eye are presented.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **All subjects****n=40** | **Competitive****n=29** | **Non-competitive****n=11** | **p** |
| ***Pupillometry*** |  |  |  |  |
| **Maximal diameter (mm)** | 6.98 ±0.69 | 6.97 ±0.64 | 7.02 ±0.84 | 0.92 |
| **Minimal diameter (mm)** | 4.84 ±0.71 | 4.86 ±0.66 | 4.78 ±0.86 | 0.77 |
| **Amplitude\*(mm)** | 2.15 ±0.29 | 2.11 ±0.31 | 2.24 ±0.21 | 0.21 |
| **Percent of constriction** | 31.00 ±4.84 | 30.46 ±4.93 | 32.35 ±4.58 | 0.27 |
| **Latency (s)** | 0.22 (0.16-0.27) | 0.22 (0.16, 0.27) | 0.23 (0.21-0.25) | 0.052 |
| **ACV (mm/s)** | 3.75 ±0.50 | 3.76 ±0.56 | 3.73 ±0.35 | 0.57 |
| **MCV (mm/s)** | 5.25 ±0.71 | 5.29 ±0.79 | 5.14 ±0.47 | 0.78 |
| ***4sET*** |  |  |  |  |
| **CVI** | 1.41 ±0.19 | 1.38 ±0.17 | 1.49 ±0.24 | 0.20 |

ACV: average constriction velocity; MCV: maximal constriction velocity; CVI: cardiac vagal index.
\* Amplitude is calculated as maximal-minimal pupil diameter.
*aFive subjects reported they had coffee on the same day of testing (>2 hours prior measurements). We found no significant differences (p>0.05) between the five subjects and the remaining sample (n=35) in regards to both pupillometry and 4sET in the subjects were not excluded from the analyses. Mean (sd) for the five subjects and the remaining sample were respectively as follows; maximal diameter=6.56 (0.31) vs 6.93 (0.67) mm (p=0.081); minimal diameter=4.60 (0.31) vs 4.71 (0.70) mm (p=0.544); amplitude=1.97 (0.25) vs 2.22 (0.28) mm (p=0.751), percent constriction=30.05 (0.46) vs 32.31 (4.77) % (p=0.253); latency=0.22 (0.01) vs 0.22 )0.02) s (p=0.659); ACV=3.81 (0.46) vs 3.86 (0.50) mm/s2 (p=0.820); MCV=5.17 (0.56) vs 5.42 (0.67) mm/s2 (p= 0.403); CVI=1.38 (0.14) vs 1.39 (0.19) (p=0.068).*