|  |  |  |
| --- | --- | --- |
| Table 2. Kinetic parameters of the muscle deoxy[heme] responses during supine and upright cycle exercise at the same absolute work rate for the superficial VLs and RFs (n = 17) | | |
| Baseline (μM) | Supine | Upright |
| VLs | 47 ± 29 | 46 ± 11 |
| RFs | 55 ± 42 # | 60 ± 34 # |
| TD (s) |  |  |
| VLs | 10 ± 4\* | 14 ± 7 |
| RFs | 10 ± 5\* | 20 ± 9# |
| τdeoxy[heme] |  |  |
| VLs | 12 ± 6\* | 8 ± 4 |
| RFs | 18 ± 8\* | 11 ± 5# |
| *A*deoxy[heme] (μM) |  |  |
| VLs | 28 ± 14\* | 18 ± 9 |
| RFs | 25 ± 12\* | 13 ± 8 |
| End-exercise deoxy[heme] (μM) |  |  |
| VLs | 75 ± 38 | 65 ± 17 |
| RFs | 84 ± 51 | 75 ± 36 |
| Deoxy[heme] SC (μM) |  |  |
| VLs | 0.55 ± 5.32 | 0.76 ± 6.45 |
| RFs | 3.85 ± 4.01 | 4.03 ± 7.34# |
| *A*deoxy[heme]/τdeoxy[heme] (μM.s-1) |  |  |
| VLs | 2.83 ± 1.44 | 2.03 ± 1.05 |
| RFs | 1.53 ± 0.84 | 1.57 ± 2.02# |
| Deoxy[heme], muscle deoxygenated [heme] concentration; baseline, average value over final 30 s of baseline period; TD, fundamental time delay; τdeoxy[heme], fundamental time constant; *A*deoxy[heme], fundamental amplitude; end-exercise, average value over final 30 s of exercise; SC, magnitude of the slow component; *A*deoxy[heme]/τdeoxy[heme],rate of change. \* significantly different from upright in same muscle, # significantly different from VLs (i.e. main effect of posture) (*P* < 0.05). | | |