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| TABLE 2. *Changes in concentric and eccentric knee flexor average peak torque at various contraction velocities in the training limb of each group before (day 0) and after the training intervention (day 42) as well as following the de-training period (day 70).* | | | | | | | | | | | |
| Contraction velocity | Concentric Group (n=14) | | | | |  | Eccentric Group (n=14) | | | | |
| Baseline (Day 0) | End Intervention (Day 42) | Post Intervention (Day 70) | %Change following intervention | %Change  28 days post intervention | Baseline (Day 0) | End Intervention (Day 42) | Post Intervention (Day 70) | %Change following intervention | %Change  28 days post intervention |
| Concentric 240 (°/sec) | 89.3 ±16.2 | 97.86\* ±16.4 | 95.44±13.3\* | 9.58 | -2.47 | 97.2 ±21.2 | 109.94\* ±19.3 | 105.10\* ±20.3 | 13.1 | -4.40 |
| Concentric 180 (°/sec) | 104.44 ±19.1 | 116.2\*\* ±18.2 | 111.66±17.8\* | 11.3 | -3.95 | 111.3 ±24.9 | 129.06\*\* ±24.3 | 122.57\* ±17.9 | 15.9 | -5.01 |
| Concentric 60 (°/sec) | 141.04 ±28.3 | 159.5\* ±24.1 | 153.51±25.9\* | 13.1 | -3.75 | 134.15 ±30.8 | 156.3\*\* ±25.2 | 152.8\* ±17.02 | 16.5 | -2.23 |
| Eccentric  60 (°/sec) | 186.53 ±39.6 | 213.40\* ±35.1 | 203.74±40.3\* | 14.4 | -4.52 | 196.3 ±44.4 | 228.8\*\* ±48.9 | 218.2\* ±36.7 | 16.6 | -4.63 |
| Eccentric  180 (°/sec) | 178.11 ±44.7 | 200.62\* ±34.8 | 191.91±35.7\* | 12.6 | -4.34 |  | 185.9 ±35.9 | 216.2\*\* ±43.01 | 209.02\* ±32.1 | 16.3 | -3.32 |
| \*=p<0.05 vs Day 0, \*\* = p<0.001 vs Day 0. All data represented as mean±SD unless otherwise stated. SD = standard deviation, °/sec = degrees per second. | | | | | | | | | | | |