**S2 Table**

|  |  |  |  |
| --- | --- | --- | --- |
|  | 3 months | 6 months | 12 months |
| CENTRAL SLICE TOTAL MUSCLE COMPARTMENT FAT FRACTION (%) |
|  | **Mean change from baseline (95% CI)** | 1.40 (0.06, 2.73) | 3.53(2.07, 4.98) | 3.90(2.45, 5.35) |
| **No. of subjects** | 8 | 6 | 6 |
| **P value** | 0.04 | < 0.001 | < 0.001 |
| PROXIMAL SLICE TOTAL MUSCLE COMPARTMENT FAT FRACTION (%) |
|  | **Mean change from baseline (95% CI)** | 1.79(0.30, 3.26) | 4.46(2.81, 6.10) | 6.03(4.42, 7.64) |
| **No. of subjects** | 8 | 6 | 6 |
| **P value** | 0.02 | < 0.001 | < 0.001 |
| DISTAL SLICE TOTAL MUSCLE COMPARTMENT FAT FRACTION (%) |
|  | **Mean change from baseline (95% CI)** | 1.71(-0.30, 3.71) | 1.63(-0.55, 3.81) | 3.20(1.02, 5.38) |
| **No. of subjects** | 8 | 6 | 6 |
| **P value** | 0.10 | 0.14 | < 0.01 |
| CENTRAL SLICE DORSAL COMPARTMENT FAT FRACTION (%) |
|  | **Mean change from baseline (95% CI)** | 1.5 (-1.4, 4.3) | 5.0(1.9, 8.1) | 5.4(2.5, 8.4) |
| **No. of subjects** | 8 | 6 | 7 |
| **P value** | 0.32 | <0.01 | <0.001 |
| CENTRAL SLICE VOLAR COMPARTMENT FAT FRACTION (%) |
|  | **Mean change from baseline (95% CI)** | 1.3(-0.6, 3.3) | 0.06(-2.0, 2.2) | 2.1(0.1, 4.1) |
| **No. of subjects** | 8 | 6 | 7 |
| **P value** | 0.18 | 0.95 | 0.04 |
| ECRLB Br FAT FRACTION (%) |
|  | **Mean change from baseline (95% CI)** | 1.3(-1.6, 4.1) | 4.8(1.8, 7.9) | 5.9(3.0, 8.8) |
| **No. of subjects** | 8 | 6 | 7 |
| **P value** | 0.38 | <0.01 | <0.001 |
| CENTRAL SLICE TOTAL MUSCLE COMPARTMENT CROSS-SECTIONAL MUSCLE AREA (mm2) |
|  | **Mean change from baseline (95% CI)** | -17.93 (-99.68, 63.83) | 18.15(-70.70, 106.97) | 101.47(12.65, 190.29) |
| **No. of subjects** | 8 | 6 | 6 |
| **P value** | 0.67 | 0.69 | 0.03 |
| CENTRAL SLICE TOTAL REMAINING (NON-FAT) MUSCLE AREA (mm2) |
|  | **Mean change from baseline (95% CI)** | -38.65(-110.08, 32.79) | -46.26(-123.86, 31.34) | 15.19(-62.41, 92.79) |
| **No. of subjects** | 8 | 6 | 6 |
| **P value** | 0.29 | 0.24 | 0.70 |
| MYOPINCH (Kg) |
|  | **Mean change from baseline (95% CI)** | -0.16(-0.31, -0.004) | -0.39(-0.55, -0.23) | -0.52(-0.68, -0.36) |
| **No. of subjects** | 9 | 8 | 8 |
| **P value** | 0.04 | < 0.001 | < 0.001 |
| MYOGRIP (Kg) |
|  | **Mean change from baseline (95% CI)** | -0.20(-0.72, 0.32) | -0.43(-0.97, 0.12) | -1.01(-1.56, -0.47) |
| **No. of subjects** | 9 | 8 | 8 |
| **P value** | 0.45 | 0.13 | < 0.001 |
| PERFORMANCE OF UPPER LIMB (Total score=74) |
|  | **Mean change from baseline (95% CI)** | -0.48(-2.84, 1.88) | -2.60(-5.18, -0.03) | -9.19(-11.96, -6.42) |
| **No. of subjects** | 13 | 10 | 8 |
| **P value** | 0.69 | 0.05 | < 0.001 |
| PERFORMANCE OF UPPER LIMB ( Shoulder domain score =16) |
|  | **Mean change from baseline (95% CI)** | -0.37(-2.79, 2.05) | -2.70(-5.37, -0.03) | -8.37(-11.26, -5.48) |
| **No. of subjects** | 13 | 10 | 8 |
| **P value** | 0.77 | 0.05 | < 0.001 |
| MOVIPLATE (taps in 30 seconds) |
|  | **Mean change from baseline (95% CI)** | 2.42(-0.05, 4.90) | 5.08(2.14, 8.02) | 1.86(-0.82, 4.55) |
| **No. of subjects** | 10 | 8 | 8 |
| **P value** | 0.06 | 0.001 | 0.17 |

**S2 Table. MRI and clinical indices: mean (95%CI) changes from baseline; analysis of variance excluding the DMD subject not taking steroid therapy.** P value < 0.01 was considered significant.