**Table I: Comparison of mean change from initial to final assessment scores for control and intervention groups (n=19)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **Control Group n=10** | **Intervention group**  **n =9** | | | | **P value** |
|  | **Mean Change from Initial assessment** | **Mean Change from Initial assessment**  **No splint** | **Effect size**  **(ES)** | **Mean Change from Initial assessment**  **Splint on** | **Effect size**  **(ES)** |  |
| **Dissociated movements** | 9.15 | 8.78 | -0.06 | 11.91 | 0.46 | 0.53 |
| **Grasps** | 0.35 | 4.63 | 0.21 | 7.39 | 0.34 | 0.43 |
| **Weight Bearing** | 0.24 | 18.78 | 1.53 | 14.94 | 1.22 | 0.40 |
| **Protective Extension** | -2.7 | -2.92 | -0.01 | 5.41 | 0.45 | 0.91 |
| **Total** | 1.69 | 7.09 | 0.43 | 11.9 | 0.82 | 0.96 |

##### **Table 2. Initial and final scores for the control group (n=10)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Initial assessments Mean (SD)**  **n= 14** | **Final assessments**  **Mean (SD)**  **n =10** | **p** | **Effect size**  **(ES)** |
| **Dissociated movements** | 46.48 (12.64) | 55.63 (12.13) | 0.74 | 0.72 |
| **Grasps** | 11.90 (20.35) | 12.25 (11.61) | 0.88 | 0.03 |
| **Weight Bearing** | 45.56 (19.36) | 45.80 (17.05) | 0.11 | 0.01 |
| **Protective Extension** | 51.51(25.50) | 48.81 (18.90) | 0.11 | -0.14 |
| **Total** | 38.26 (15.42) | 39.95 (20.92) | 0.12 | 0.10 |

**Table 3: Initial and final scores for the intervention group (n=9)** \*

**Without splint \*\* with splint**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Initial assessments Mean (SD)** | **Final assessments**  **Mean (SD)**  **n = 9** | **p** | **Effect size (ES)** |
| **Dissociated movements \*** | 44.34 (11.76) | 53.12 (17.39) | 0.48 | 0.87 |
| **Dissociated Movements \*\*** | 56.25 (14.69) | 1.01 |
| *Difference* | 3.12 (9.17) |  |
| **Grasps\*** | 3.72  (11.00) | 8.35 (10.62) | 0.37 | 0.31 |
| **Grasps\*\*** | 11.11  (6.93) | 0.67 |
| *Difference* | 2.76 (6.22) |  |
| **Weight Bearing\*** | 41.66 (14.31) | 60.44 (24.88) | 0.60 | 0.72 |
| **Weight Bearing\*\*** | 56.60 (20.55) | 1.04 |
| *Difference* | -3.84 (15.36) |  |
| **Protective Extension\*** | 51.25  (16.67) | 48.33  (20.75) | 0.26 | -0.01 |
| **Protective Extension\*\*** | 56.66 (24.58) | 0.32 |
| *Difference* | 8.33 (14.43) |  |
| **Total\*** | 33.26  (9.32) | 40.35 (13.73) | 0.13 | 0.52 |
| **Total\*\*** | 45.16 (13.57) | 1.28 |
| *Difference* | 2.59 (3.15) |  |

##### **Table 4. Correlation between splint wearing time and QUEST scores (n=7)**

|  |  |  |
| --- | --- | --- |
|  | **Intervention Group**  **(without splint)**  **r** | **Intervention Group**  **(with splint)**  **r** |
| **Dissociated Movement** | -0.54 | 0.31 |
| **Grasps** | 0.40 | 0.60 |
| **Weight Bearing** | 0.42 | 0.80 |
| **Protective Extension** | 0.02 | 0.80 |
| **Total** | 0.37 | 0.80 |