**Table 4(Supplementary): Pearson’s correlation between NRS pain score and delta Ct values of mRNA expression of IL-6 and mTORc1 genes in Group MT at the end of 12th week**

|  |  |  |  |
| --- | --- | --- | --- |
| **NRS pain score & ΔCt value of mRNA** | | **End of 12th week** | |
| **Correlation** | **p-value** |
| **GROUP MT** | IL-6 gene at the end of 12th week. | -0.1 | 0.675 |
| mTORc1 gene at the end of 12th week. | 0.173 | 0.467 |
| **GROUP CT** | IL-6 gene at the end of 12th week. | -0.347 | 0.134 |
| mTORc1 gene at the end of 12th week. | -0.152 | 0.523 |

*Group MT: Conventional program + Mirror Therapy*

*Group CT: Conventional program*

\*p value≤0.05 is considered significant

**Table 5(Supplementary): NPSI scores for “Burning sensation” in group CT and MT**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Time | NPSI scores for Burning (Mean±SD) | | | | Between the group comparison- inter-group  (p-value) |
| “Burning sensation” Intervals | Group MT | Within group comparison with Baseline- intra-group (p-value) | Group CT | Within group comparison with Baseline line- intra-group (p-value) |
| Baseline | 6.0 ± 2.22 | \_\_\_\_ | 4.3 ± 3.05 | \_\_\_\_ | 0.306 |
| End of 2nd week | 4.7 ± 1.92 | 0.508 | 4.75 ± 2.22 | 1.00 | 1.00 |
| End of 4th week | 3.15 ± 1.53 | <0.001 | 3.8 ± 1.61 | 1.00 | 1.00 |
| End of 6th week | 1.4 ± 0.82 | <0.001 | 2.55 ± 1.32 | 0.083 | 0.012 |
| End of 8th week | 1.4 ± 0.82 | <0.001 | 2.55 ± 1.32 | 0.083 | 0.012 |
| End of 12th week | 1.3 ± 0.8 | <0.001 | 2.55 ± 1.32 | 0.077 | 0.006 |

*Group CT: Conventional program*

*Group MT: Conventional program + Mirror Therapy*

**Table 6(Supplementary): Neuropathic Pain Symptom Inventory scores for “Electric-shock” sensation in group CT and MT**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Time | NPSI scores for “Electric sensation” (Mean±SD) | | | | Between the group comparison- inter-group  (p-value) |
| “Electric Sensation” Intervals | Group MT | Within group comparison with Baseline-intra-group (p-value) | Group CT | Within group comparison with Baseline- intra-group (p-value) |
| Baseline | 4.6 ± 1.76 | \_\_\_\_ | 3.75 ± 3.52 | \_\_\_\_ | 1.00 |
| End of 2nd week | 3.75 ± 1.41 | 0.024 | 2.3 ± 2.34 | <0.001 | 0.138 |
| End of 4th week | 2.6 ± 1.23 | <0.001 | 1.85 ± 1.87 | <0.001 | 0.858 |
| End of 6th week | 1.45 ± 0.69 | <0.001 | 1.0 ± 0.86 | <0.001 | 0.300 |
| End of 8th week | 1.45 ± 0.69 | <0.001 | 1.0 ± 0.86 | <0.001 | 0.300 |
| End of 12th week | 1.45 ± 0.69 | <0.001 | 1.0 ± 0.86 | <0.001 | 0.300 |

*Group CT: Conventional program*

*Group MT: Conventional program + Mirror Therapy*

**Table 7(Supplementary): Neuropathic Pain Symptom Inventory scores for “Allodynia” in group CT and MT**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Time | NPSI scores for “Allodynia” (Mean±SD) | | | | Between the group comparison- inter-group  (p-value) |
| “Allodynia” Intervals | Group MT | Within group comparison with Baseline- intra-group (p-value) | Group CT | Within group comparison with Baseline- intra-group (p-value) |
| Baseline | 5.00 ± 1.84 | \_\_\_\_ | 5 ± 2.36 | \_\_\_\_ | 1.00 |
| End of 2nd week | 3.15 ± 1.46 | <0.001 | 2.65 ± 1.6 | <0.001 | 1.00 |
| End of 4th week | 2 ± 1.03 | <0.001 | 1.6 ± 1.39 | <0.001 | 1.00 |
| End of 6th week | 1.25 ± 0.91 | <0.001 | 0.5 ± 0.76 | <0.001 | 0.042 |
| End of 8th week | 1.25 ± 0.91 | <0.001 | 0.5 ± 0.76 | <0.001 | 0.042 |
| End of 12th week | 1.25 ± 0.91 | <0.001 | 0.5 ± 0.76 | <0.001 | 0.042 |

*Group CT: Conventional program*

*Group MT: Conventional program + Mirror Therapy*

**Table 8(Supplementary): SF-12 QoL “Physical Component Summary” and “Mental Component Summary” scores at designated time intervals**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Time | Mean ± SD | | Between the group comparison- inter-group  (p-value) |  | Mean ± SD | | Between the group comparison- inter-group  (p-value) |
| QoL “Physical Component Summary” | Group MT | Group CT |  | QoL “Mental Component Summary” | Group MT | Group CT |  |
| Baseline | 32.8 ± 3.02 | 32.25 ± 3.88 | 1.00 |  | 37.7 ± 3.53 | 38.25 ± 2.24 | 1.00 |
| End of 2nd week | 37 ± 2.6 | 35.6 ± 3.89 | 1.00 | 46 ± 2.13 | 45.2 ± 1.96 | 1.00 |
| End of 4th week | 43.55 ± 2.11 | 38.65 ± 3.54 | <0.001 | 52.10 ± 3.96 | 48.65 ± 1.18 | 0.006 |
| End of 6th week | 49.2 ± 1.06 | 44.05 ± 3.55 | <0.001 | 52.10± 3.85 | 48.65 ± 1.18 | <0.001 |
| End of 8th week | 49.15 ± 0.99 | 43.75 ± 3.26 | <0.001 | 52.45 ± 3.87 | 48.65 ± 1.18 | <0.001 |
| End of 12th week | 49.45 ± 1.47 | 44.65 ± 3.07 | <0.001 | 53.45 ± 3.33 | 49.5 ± 0.83 | <0.001 |