

**THE EFFECTS OF
DIFFERENT TREATMENT TECHNIQUES ON
SUBLUXED HEMIPLEGIC SHOULDER FOR
PATIENT WITH CVA**

By

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KEY WORDS

Different treatment techniques (Heavy joint compression and Therapeutic vibration), Subluxation, CVA.

To manage inferior subluxed shoulder of patient with hemiplegia, Occupational therapists use different treatment techniques of different approaches. Two different proprioceptive facilitatory techniques (Therapeutic vibration and Heavy joint compression) of Rood’s approach have been selected in this study. Occupational therapists usually use these techniques along with other techniques in the management of subluxed hemiplegic shoulder in patient with CVA. But, are those two techniques equally effective for inferior subluxation? This quantitative study examines the effects of Therapeutic vibration and Heavy joint compression as treatment of inferior subluxed hemiplegic shoulder in patient with CVA.

The different subject experimental design was used followed by a pretest and post-test evaluation of every participant's inferior shoulder subluxation by using the standard Arm Length Discrepancy scale.

14 participants were selected for two different groups with 7 participants each by simple randomization technique from the Outdoor Unit of Occupational Therapy Department of Centre for the Rehabilitation of the Paralyzed, who made the selection criteria.

All the data was statistically analyzed by an unrelated 't'-test. Statistical results with general observation have shown that the treatment techniques are effective. The difference between the mean of improvement scores of both group were statistically significant ($P < 0.05$). So, now it is proved that the **Heavy joint compression** technique causes more improvement in case of inferior hemiplegic shoulder subluxation than the **Therapeutic vibration**.

Further study should be carried out to generalize the result and evaluate the effectiveness of the treatment techniques with less effect of variables.