

## **Effect of graded early mobilization on psychomotor status and length of intensive care unit stay in mechanically ventilated patients**

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**Purpose:** The purpose of the study was to evaluate the effectiveness of graded early mobilization on psychomotor status and length of ICU stay of patients with mechanical ventilation.

**Methodology:** Total 50 patients were selected as participant in the study from BRB hospital, Dhaka. 25 were included in ICU Treatment group and another 25 were in Intervention group. Graded early mobilization was provided as intervention to all participants of intervention group by a professional qualified physiotherapist for 10 sessions to each participant.

**Results:** In control group mean of FIM score was 17.40 (SD 4.881) and in intervention group mean score was 65.70 (SD 12.184). The mean difference was statistically significant in t' test. (p value 0.001). In control group the mean of GAD 7 score was 19.50 (SD 2.717) and in the intervention group the mean of GAD 7 score was 7.5 (SD 2.593). The mean difference was statistically significant in t' test. (p value 0.001). The mean of length of ICU stay was in control group 5.60 (SD 1.07497) and in intervention group it was 3.10 (SD 0.56765). The mean difference was statistically significant in t' test. (p value 0.001).

**Conclusion:** This research showed that graded early mobilization was highly effective to improve mechanically ventilated patients motor and psychological status and reduce length of ICU stay.