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Clinical Nursing Research
1 April 2018

Functional Outcomes 6 Months After Severe Traumatic Brain Injury Following Admission Into Intensive Care Unit : A Cohort Study in Two Tertiary Hospitals

(Article in press)

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Abstract

Severe traumatic brain injury (TBI) survivors show physical and functional improvements but continue to have cognitive and psychosocial problems throughout recovery. However, the functional outcome of severe TBI in Malaysia is unknown. The objective of this study is to measure the functional outcomes of severe TBI within 6 months post-injury. A cohort study was done on 33 severe TBI survivors. The Glasgow Outcome Scale–Extended (GOSE) was used in this study. The mean age of the participants was 31.79 years (range: 16-73 years). The logistic regression model was statistically significant, $\chi^2(5, N = 33) = 29.09$, $p < .001$. The length of stay (LOS) in incentive care unit ($p = .049$, odds ratio = 6.062) and duration on ventilator ($p = .048$, odds ratio = 0.083) were good predictors of the functional outcomes. Future research should focus on larger sample size of severe TBI in Malaysia. © 2018, The Author(s) 2018.

Author keywords

functional outcomes | Glasgow Outcome Scale–Extended | traumatic brain injury survivors

ISSN: 10547738
Source Type: Journal
Original language: English
DOI: 10.1177/1054773818767551
Document Type: Article in Press
Publisher: SAGE Publications Inc.

References

This article has not been published yet.

If this article contains references, they will become available when the article is published.

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