

For Better or Worse? : A Cross Sectional Study on the Functional Outcome of Patients with Traumatic Brain Injury who underwent Surgery in a Non Neurosurgical centre of Hospital Duchess of Kent, Sandakan from January to December 2022

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Abstract

Background : Patients with surgically indicated traumatic brain injuries require urgent surgical intervention so as to have a good post-operatively functional outcome. However, neurosurgical services are limited and often only available in tertiary centres. Therefore, emergency surgical intervention by trained general surgeons who are more widely available is deemed valid in such urgent situations. As we venture into global surgery, neurosurgical services would eventually be introduced in more district settings so as to provide patient with immediate intervention which in turn provides with a more desirable patient outcome.

Methods : This study is a cross sectional review on the functional outcomes of surgical indicated traumatic head injury patients operated under the General Surgery department of Hospital Duchess of Kent, Sandakan.

Results : A total of 14 patients were included in the study. The majority of the participants were male with the most common mechanism of injury being a motor vehicle accident. The functional outcome of 12 patients upon discharge were good with a Glasgow Outcome Scale (GOS) of 5.

Conclusion : In this study it is found that a significant number of patients with traumatic brain injuries had a good functional outcome postoperatively after being operated in a district setting.

keywords : *Traumatic Brain Injury, Glasgow Outcome Scale*