

## Accepted Manuscript

Title: The clinical characteristics of posttraumatic epilepsy following moderate-to-severe traumatic brain injury in children

Authors: Amit Keret, Moatasim Shweiki, Odeya Bennett-Back, Fadia Abed Fteiha, Israel Matot, Yigal Shoshan, Mony Benifla



PII: S1059-1311(17)30759-8  
DOI: <https://doi.org/10.1016/j.seizure.2018.03.018>  
Reference: YSEIZ 3145

To appear in: *Seizure*

Received date: 23-11-2017  
Revised date: 1-3-2018  
Accepted date: 18-3-2018

Please cite this article as: Keret Amit, Shweiki Moatasim, Bennett-Back Odeya, Fteiha Fadia Abed, Matot Israel, Shoshan Yigal, Benifla Mony. The clinical characteristics of posttraumatic epilepsy following moderate-to-severe traumatic brain injury in children. *SEIZURE: European Journal of Epilepsy* <https://doi.org/10.1016/j.seizure.2018.03.018>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

## The clinical characteristics of posttraumatic epilepsy following moderate-to-severe traumatic brain injury in children

Amit Keret, MD<sup>a1</sup>, Moatasim Shweiki, MD<sup>a,b1</sup>, Odeya Bennett-Back, MD<sup>c</sup>, Fadia Abed Fteiha, MSN<sup>a</sup>, Israel Matot, MD<sup>c</sup>, Yigal Shoshan, MD<sup>b</sup>, Mony Benifla, MD<sup>d</sup>

<sup>a</sup>The Paediatric Neurosurgery Unit, Hadassah Ein Kerem Medical Centre, Jerusalem, Israel, <sup>b</sup>Neurosurgery Department Hadassah Ein Kerem Medical Centre, Jerusalem, Israel. <sup>c</sup>Paediatric Neurology Department, Hadassah Ein Kerem Medical Centre, Jerusalem, Israel. <sup>d</sup>THE pediatric Neurosurgery Unit, Rambam Health Care Camus, Haifa, Israel.

<sup>1</sup>Amit Keret and Moatasim Shweiki – equal authorship

Keywords: post-traumatic epilepsy, traumatic brain injury, paediatric neurosurgery

Running head: Epilepsy following moderate-severe traumatic brain injury

Disclosure: The authors report no conflicts of interest concerning the materials or methods used in this study or the findings specified in this paper.

Corresponding author: Mony Benifla. The Paediatric Neurosurgery Division, Rambam Health Care Campus, Haifa, Israel. beniflam@yahoo.com. +972 4 7774130; Fax: +972 4 7774843

### Highlights

- We followed 116 children with moderate-to-severe traumatic brain injury.
- After a median 7.3 years, 9% had epilepsy, 4% had intractable epilepsy.
- Two children developed epilepsy more than 2 years after the injury.
- All patients with fractures and epilepsy had additional CT pathologies.
- Immediate seizures did not predict the development of epilepsy.

Download English Version:

<https://daneshyari.com/en/article/6829844>

Download Persian Version:

<https://daneshyari.com/article/6829844>

[Daneshyari.com](https://daneshyari.com)