Letter to Editor

Do We Need To Include "Elevated Skull Fractures" In Skull Fracture Classification?

Sir,

We read the article which deals with the elevated skull fractures in pediatric age group.^[1] Elevated skull fractures are increasingly recognized as a distinct entity in many recent articles. The present article is unique and discusses the issues in the management in pediatric age group. The early recognition and appropriate management of compound elevated fracture resulted in good recovery without any complications. It is evident from the present series that the elevated skull fractures result from a tangential force which causes elevation of the bone fragment (in contrary to depressed skull fractures). Except the elevated nature of the bone fragments, almost all other management principles follow as for depressed skull fractures. One important and interesting point which can be debated is the amount of contamination (which the authors claim to be more in depressed fractures than in elevated skull fractures).[1] A good outcome of these patients is attributed to the fact that tangential force causes less energy to the brain parenchyma. [1-3] However, it may not be true in the cases, the underlying mechanism if severe enough can result in fatal injuries.[4] Based on the availability of good amount of literature, it can be suggested that there is a need to consider elevated skull fractures in the classification of skull fractures.^[5,6]

Financial support and sponsorship

Nil.

Conflicts of interest

There are no conflicts of interest.

Amit Agrawal

Department of Neurosurgery, Narayana Medical College Hospital, Nellore, Andhra Pradesh, India

Address for correspondence:

Dr. Amit Agrawal,

Department of Neurosurgery, Narayana Medical College Hospital, Chinthareddypalem, Nellore - 524 003, Andhra Pradesh, India. E-mail: dramitagrawal@gmail.com

References

- Kumar J, Prakash A, Harsh V, Kumar A. Elevated fracture of skull in pediatric age group: A series of five patients with review of literature. Asian J Neurosurg 2016;11:105.
- Agrawal A. Elevated skull fracture. Panam J Trauma Crit Care Emerg Surg 2014;3:85.
- Garg N, Devi BI, Maste P. Elevated skull fracture. Indian J Neurotrauma 2007;4:133.
- Agrawal A, Subrahmanyan BV, Rao GM. Blast injury causing extensive brain injury and elevated skull fracture. Indian J Neurotrauma 2014;11:64-7.
- Adeolu AA, Shokunbi MT, Malomo AO, Komolafe EO, Olateju SO, Amusa YB. Compound elevated skull fracture: A forgotten type of skull fracture. Surg Neurol 2006;65:503-5.
- Agrawal A, Kumar SS, Reddy UV, Hegde KV, Subrahmanyan BV. Compound elevated skull fracture: Should we incorporate in skull fracture classification? Int J Crit Illn Inj Sci 2015;5:227-9.

This is an open access journal, and articles are distributed under the terms of the Creative Commons Attribution-NonCommercial-ShareAlike 4.0 License, which allows others to remix, tweak, and build upon the work non-commercially, as long as appropriate credit is given and the new creations are licensed under the identical terms.



How to cite this article: Agrawal A. Do we need to include "elevated skull fractures" in skull fracture classification?. Asian J Neurosurg 2018;13:528.

© 2018 Asian Journal of Neurosurgery | Published by Wolters Kluwer - Medknow