



# The 2<sup>nd</sup> International Neurotrauma Congress & the 4<sup>th</sup> International Roads Safety Congress

Shefa Neuroscience Research Center, Tehran, Iran, 18-20 February, 2015

*The Neuroscience Journal of Shefaye Khatam*

Volume 2, No. 4, Suppl. 3

## Oral Presentation

### Adaptation of Traumatic Brain Injury Clinical Guideline in Iran

Shayan Abdollah Zadegan<sup>1, 2</sup>, Seyed Mohammad Ghodsi<sup>1, 3</sup>, Jalil Arabkheradmand<sup>4</sup>, Abbas Amirjamshidi<sup>3</sup>, Abdolreza Sheikhrezaei<sup>5</sup>, Masoud Khadivi<sup>6</sup>, Morteza Faghih Jouibari<sup>6</sup>, Seyed Mahmoud Tabatabaei<sup>7</sup>, Guive Sharifi<sup>8</sup>, Jalal Abbaszadeh Ahranjani<sup>9</sup>, Parviz Mohit, Fakhroddin Tavakoli, Yadollah Alimohammadi, Farhad Motlagh, Vafa Rahimi-Movaghar<sup>1, 2, 6\*</sup>

<sup>1</sup>Sina Trauma and Surgery Research Center, Sina Hospital, Tehran University of Medical Sciences, Tehran, Iran.

<sup>2</sup>Research Centre for Neural Repair, University of Tehran, Tehran, Iran.

<sup>3</sup>Department of Neurosurgery, Sina Hospital, Tehran University of Medical Sciences, Tehran, Iran.

<sup>4</sup>Shefa Neuroscience Research Center, Khatam Alanbia Hospital, Tehran, Iran.

<sup>5</sup>Department of Neurosurgery, Imam Hospital, Tehran University of Medical Sciences, Tehran, Iran.

<sup>6</sup>Department of Neurosurgery, Shariati Hospital, Tehran University of Medical Sciences, Tehran, Iran.

<sup>7</sup>Functional Neurosurgery Research Center, Shohadaye Tajrish Hospital, Shahid Beheshti University of Medical Sciences, Tehran, Iran.

<sup>8</sup>Department of Neurosurgery, Lohman Hospital, Shahid Beheshti University of Medical Sciences, Tehran, Iran.

<sup>9</sup>Department of Neurosurgery, Urmia University of Medical Sciences, Urmia, Iran.

**Published: 18 February, 2015**

#### Abstract:

Traumatic brain injury guidelines of two well-known sources were selected for adaptation in Iran. In this brief report, we aimed to highlight our modifications according to domestic situation of a developing country. The guidelines were selected using the AGREE (Appraisal of Guidelines for Research & Evaluation) instrument. Fourteen Iranian expert neurosurgeons reviewed all key recommendations, related levels of evidence were evaluated and possible revisions were considered. Following items were the most challenging which were modified according to domestic situation: Age as a risk factor for referral or computed tomography scan, medical comorbidities and pregnancy, consultation and referral to a neurosurgical unit, teleconsulting and observation before discharge. Modifications in these topics were done based on experts views and very limited and controversial evidences. This report underlines the importance of further studies in Iran to fill the current knowledge gap.

**Keywords:** Traumatic Brain Injury, Clinical Guideline, AGREE.

**\*Corresponding Author:** Vafa Rahimi-Movaghar

**E-mail:** v\_rahimi@tums.ac.ir