Can the mean platelet volume predict the mortality of patients with head trauma?

Bulent Ozdemir¹, Ayhan Kanat², Hizir Kazdal¹, Osman Ersagun Batcik¹, Vacide Ozdemir¹, Yusuf Sulun³, and Ali Riza Guvercin⁴

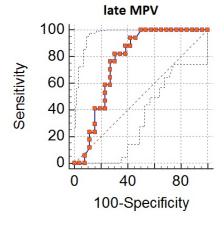
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Abstract

Objective: Prediction of mortality in the patient of the intensive care unit is essential. It was aimed to study the mortality predictive value of mean platelet volume (MPV) in patients with severe head trauma. Study design: The mean platelet volumes were measured in patients with head injury managed intensive care unit between 1 December 2017 and 1 January 2019 at admission and exitus date. Methods: The main outcome variable was mortality due to the traumatic event of patients. 43 patients with head trauma admitted to the intensive care unit during the study period. 17 patients died (Group I), 26 survived (Group II). Results: There was not an association between MPV and mortality at admission. However, Cox regression analysis showed that late MPV (at exitus or discharged date), WBC at admission, and age increase the mortality rate 1,770, 1,202, 1,052 times, respectively. Conclusion: The present study shows that MPV may be a useful predictor of mortality in the patient with severe head trauma. More detailed studies are needed.

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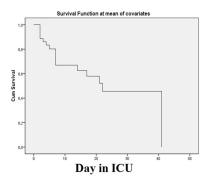


¹Recep Tayyip Erdoğan University

²Affiliation not available

³Mugla Sitki Kocman University Faculty of Science

⁴Karadeniz Technical University



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