Abstract (600 word limits)

Background: Information on the treatment and follow-up of patients admitted to intensive care due to the poisoning was investigated and statistically evaluated to improve the medical approach to these cases.

Material and Methods: Patients over 17 years admitted to intensive care unit due to the poisoning diagnosis between 01.01.2015 - 31.12.2017 were included in study. Age, gender, educational status, chronic diseases history, type of the exposed toxic material, the way of exposure, length of intensive care stay, mechanical ventilation requirement, Glasgow Coma Scale (GCS) score, Acute Physiology and Chronic Health Evaluation II (APACHE II) Score and the prognosis of the patients were recorded.

Results: The patients were 61,16% male. 41.7% of patients have a substance abuse history. Multiple substance intake was the most common type of poisoning (24.3%). The GCS was found to be 8 or less in 85.7% of exitus patients and this rate was 14.3% in the survivors and were found to be statistically significant different ($p = 0.00$). There was statistically significant difference between the APACHE II scores of death and surviving patients ($p < 0.001$). The mean duration of intensive care unit stay was 3.17 days and the mortality rate during the intensive care unit follow-up was determined as 7.3%. 100% of the patients with exitus were male patients.

Conclusion: Most of the cases of toxicities treated in ICU were male patients, although majority of suicide cases were female patients. New types of synthetic drugs are seriously affecting mortality because of the increased abuse and ease of acquisition. GCS and APACHE II scores at the time of arrival and the length of hospital stay are still important indicators of mortality. Planning the treatment according to the characteristics of the patients will be meaningful not only to increase the survival rates but also to decrease the treatment costs.

Recent Publications (minimum 5)

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Biography [100 words]

Dr. Tuncer Simsek has completed his PhD at the age of 32 years from Ege University Faculty of Medicine. Since 2013 studying as associated professor in Canakkale Onsekiz Mart Univesity Medical Faculty, Department of Anesthesiology and Reanimation. He is the director of university hospital quality management and 4th year medical student anesthesiology education programme. He has published more than 20 papers in reputed journals.