

Study on the level of performance of Hamadan medical Emergency personnel on pre-hospital triage

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Introduction: Determining patients' treatment priority based on the severity of their condition, and choosing the best treatment for the highest possible number of patients in the shortest time is called triage. Triage is one of the most important managerial and decision-making concepts in emergency. Triage is essential for classification of patients in order to providing the best treatment and their transport to medical centers. The present study was conducted to determine the level of performance of medical emergency staff on pre-hospital triage.

Methods: This cross-sectional descriptive study was carried out on 50 subjects of medical emergency staff of Hamadan selected through simple random sampling; data were collected using a researcher-made questionnaire, including six demographic questions and ten questions on triage performance, the reliability of which was evaluated by re-test and Pearson correlation coefficient. Data were analyzed using SPSS 18.0 and descriptive and inferential statistical tests.

Results: The mean age of subjects, number of shifts per month and the years of experience were 30.87 ± 7.38 , 12.58 ± 1.69 and 9.16 ± 6.69 respectively. In addition, their triage performance assessment showed that 55.83% of the answers given in this part were right and their mean score in this regard was 5.58 ± 1.17 . Statistical analysis found a significant correlation only between the years of experience and the triage performance score ($p > 0.003$)

Conclusion: Moderate performance of medical emergency staff in terms of pre-hospital triage can be due to lack of a national guideline in the country's medical emergency, and, hence, the authorities are recommended to make attempts to resolve this problem. Consequently, it is suggested to hold special retraining courses in the field of triage for the staff in order to improve the quality of care.

Keywords: Performance, Triage, Medical Emergency, Emergency, Pre Hospital

