

## **Abstract**

**Background&Objective:** *Emergency department has always been one of the great importance due to its reception of the most diverse and sensitive groups of patients. The presence of an emergency medicine specialist leads and guides most acute and non-acute issues in the emergency department. Emergency medicine specialists have been established in Meshgin Shahr Valiasr Hospital for more than four years. However, there is no study to evaluation of emergency department indexes after establishment of emergency medicine specialist. This study aimed to evaluate of emergency indicators and compare it with standard emergency indexes check out the usefulness of the positive effects of the presence of these colleagues.*

**Methods:** *This was a descriptive-analytical study that was conducted cross-sectionally (before and after),The observed years were 1393 (before the establishment of emergency medicine specialist) and 1395 (after the establishment of emergency medicine specialist). The target community was all of patients referred to emergency department of Valiasr hospital that have been visited by a general practitioner (in 1393) and an emergency medicine specialist (in 1395),Samples were selected randomly for data collection and registered by using the proportionate checklist to study goals.The cut-off pointed for the period before the deployment of Farvardin first to Esfand twenty ninth 1393 and for after the deployment of Farvardin first to Esfand twenty ninth, 1395 (in terms of emergency medicine deployment since mid-2014).*

**Results:** *According to this study, after the deployment of emergency medicine specialist, the patients' triage duration ( $p:0<001$ ) - length of staying time in the emergency department ( $p:0.001$ ) the rate of abandonment with personal consent has clearly decreased and the assignment of patients has been done more quickly ( $p:0003$ ).*

**Conclusion:** *The Presence of emergency medicine specialists have been made in reduction of the duration of patients' triage - length of staying time and determining their early assignment in the emergency department.*

**Keywords:** *Emergency department- Emergency medicine specialist- Triage*