

## Assessment of request, distribution and using of fresh frozen plasma in Hospital's Emergency Department in Rasool Akram Hospital

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### \*Abstract

**Background:** Uncontrolled prescribing of blood products can cause reduce blood bank reserves and inappropriate distribution of blood products.

**Objective:** The goal of this study was to determine of fresh frozen plasma (FFP) transfusion indicators in emergency department.

**Methods:** A cross-sectional study was done in patients admitted to the emergency department of Rasool Akram, Tehran, Iran for one year (September 2016 to 2017).

**Findings:** Seventy patients (47M/23F) were assessed with the mean age  $57.96 \pm 18.22$  years. Totally 294 units of fresh frozen plasma (FFP) were requested for patients and 93 units (31.64%) were used. The most indication for FFP unit request was acute and chronic anemia.

**Conclusion:** Transfusion rate and index were within acceptable limits, while the crossmatch to transfusion ratio (C/T) was undesirable.

**Keywords:** Products blood, Fresh frozen plasma, Transfusion ratio, Transfusion index

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