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

N. Ansarinejad1,2, B. Abbasi1,3, F. Fardad1,3, P. Namdar4, T. Ramim5

1 Department of Hematology-Oncology, Iran University of Medical Sciences, Tehran, Iran
2 Department of Medical Genetic, Medical Biotechnology Ins., National Institute of Genetic Engineering and Biotechnology (NIGEB), Tehran, Iran
3 Cancer Pharmacogenetics Research Group (CPGRG), Iran University of Medical Sciences, Tehran, Iran
4 Department of Emergency Medicine, Qazvin University of Medical Sciences, Qazvin, Iran

Corresponding Address: Tayeb Ramim, Rasool Akram Hospital, Niayesh St., Satar Khan St., Tehran, Iran
Tel: +98-21-64352390, Email: tayebramim@yahoo.com
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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 Rasoul Akram, Tehran, Iran for one year (September 2016 to 2017).

Findings: Seventy patients (47M/23F) were assessed with the mean age 57.96±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