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Abstract

Blood transfusion are needed in patients with hereditary hemolitic anemia (particulary Thalassemia), malignancy, hemofilia and aplastic anemia to improve their overall survival. But repeatedly transfusion might carries a risk of blood-borne virus infection such as hepatitis and HIV. This study was conducted to provide prevalence of Hepatitis B, Hepatitis C and HIV infection among patients with repeatedly transfusion. One hundred fifty four patients were enrolled the study, with diagnosis of thalasemia 83 (53.9%) patients, Leukemia 34 (22.1%), Hemophilia 18 (11.7%), aplastic anemia 2 (1.3%) and other malignancy 17 (11%). Prevalence of Hepatitis B, Hepatitis C and HIV infection were 0.6% (1/154), 7.8% (12/154) and 0.6% (1/154) respectively. In this study prevalence of Hepatitis B, Hepatitis C and HIV infection were in agreement with the finding in other study. Education regarding transfusion transmitted infections is of prime importance.

Keyword : pediatric, hematology, oncology, patients, repeated, transfusion, infection,