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**Original article:**

**Distribution of ABO blood group and Rh(D) factor in North India**

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**Abstract**

**Introduction:** India is a vast country with lot of diversity in race, religion & creed. The same diversity has beenobserved in geographical distribution of blood groups in population within country. The ABO & Rhesus (Rh) blood group system are the most prevalent & important for transfusion of blood & its component, organ transplant, genetic studies & in legal medicine study.

**Methods:** Present study shows data about the prevalence of ABO & Rhesus (Rh) blood groups amongst blooddonors during a period of six year (retrospective study from January 2009 to Dec 2014) conducted at Immunohaematology department of S.P. Medical College, Bikaner (India).

**Results:** Blood groups of 147991 donors were screened during the study period, by antigen antibody agglutinationmethod using commercially available antiseras which were validated at our department. The study revealed that the commonest ABO blood group was B(36.72%), followed by O (31.63%), A(22.65%) and AB(9.13%) respectively. Rh Positive were 91.35% and Rh negative were 8.65%.

**Keywords:** ABO blood group, Rh factor, agglutination method