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## REVIEWER'S REPORT

Manuscript No.: IJAR-55959

**Title: EMERGING DONOR PATTERN AT WESTERN INDIA: EARLY TRENDS AND PROFILE INSIGHTS FROM INITIAL YEAR OF DONATION ACTIVITY**

**Recommendation:**

Accept as it is .....

**Accept after minor revision....**

Accept after major revision .....

Rating	Excel.	Good	Fair	Poor
Originality		Good		
Techn. Quality		Good		
Clarity	Excellent			
Significance	Excellent			

Reviewer Name: Dr.Sumathi

### *Detailed Reviewer's Report*

1. **Blood donation is a voluntary, life-saving process where a person gives blood (typically one pint of whole blood) to be used for transfusions in surgeries, cancer treatments, and trauma care. It involves screening, a quick, safe, and sterile collection process, and can be divided into components like platelets or plasma.**
2. **Donor selection is the critical, structured process of evaluating potential blood, tissue, or organ donors to ensure their safety and the safety of the recipient. It involves screening through medical histories, questionnaires, interviews, and physical checks to exclude individuals at risk of transmitting diseases or whose health could be compromised by donation.**
3. **The ABO blood group system is the primary, inherited classification of human blood based on the presence or absence of specific antigens (A and B) on red blood cell surfaces. The system categorizes blood into four main types—A, B, AB, and O—which are crucial for determining compatibility in blood transfusions and transplants.**
4. **Transfusion-Transmissible Infections (TTIs) are diseases spread through contaminated blood, primarily caused by viruses (HIV,**

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**Hepatitis B, Hepatitis C), bacteria, and parasites (Malaria, Chagas), though prions are also a concern. Mandatory screening in many countries targets HIV, HBV, HCV, and syphilis, but other agents like CMV, HTLV, Zika, and various parasites pose risks, emphasizing donor screening and testing for blood safety.**

5. **A transfusion transmitted infection (TTI) is any infection identified in a recipient that is suspected1 to have been transmitted by blood or blood products at any time since 19802, or any infection (with potential for blood-borne transmission) identified in a blood donor who was infectious at the time they donated.**
6. **A communicable disease is any disease that passes between people or animals. People sometimes refer to communicable diseases as “infectious” or “transmissible” diseases. Pathogens, including bacteria, viruses, fungi, and protozoa, cause communicable diseases.**
7. **Key words are good to understand.**
8. **Result and abstract are good but can be given tables for results. Pie chart is given understandable.**
9. **Summary points also be needed.**
10. **References should be in alphabetical order.**
11. **After a small changes good to publish in your journal.**