



NEWSLETTER

FEBRUARY-2024



DEPARTMENT OF TRANSFUSION MEDICINE



THE TRANSFUSION MEDICINE IS A MULTIDISCIPLINARY AREA CONCERNED WITH THE PROPER USE OF BLOOD AND BLOOD COMPONENTS IN THE TREATMENT OF HUMAN DISEASES. THE DEPARTMENT OF TRANSFUSION MEDICINE AND BLOOD BANK AT AIIMS-RAJKOT, HAS FACILITY TO PROVIDE BLOOD TRANSFUSION SERVICES, TO TRAIN MEDICAL AND PARA-MEDICAL PERSONNEL IN RELATED AREAS AND TO FUNCTION AS AN APICAL MEDICAL AND RESEARCH DEPARTMENT IN THE STATE IN THIS FIELD.

BLOOD IS A LIQUID TRANSPLANT



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SHELF-LIFE OF BLOOD & ITS COMPONENTS

IN THE ERA OF BLOOD COMPONENTS, IT BECOMES ESSENTIAL TO UNDERSTAND THE BASIC SHELF LIFE OF ALL THE BLOOD COMPONENTS BEING UTILISED FOR PATIENTS' CARE. IN ORDER TO BETTER UNDERSTAND HERE IS A BRIEF DESCRIPTION OF THE SAME.





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	Packed Red Cells	Fresh Frozen Plasma	Platelet Concentrate	Cryoprecipitate
Volume (ml)	225-400 ml	180-220 ml	50-70 ml	15-20 ml
Shelf Life	35/42 Days	1 Year Frozen	5 Days In Platelet Agitator with Incubator	1 Year Frozen
Storage Temp.	2-6 ⁰ C	Minus 30 ⁰ C	20-24 ⁰ C	Minus 30 ⁰ C to Minus 80 ⁰ C
Dosage	1 Unit	15 ml/kg	1 unit/10 kg weight 10 ml/kg 4-8 Units	1 Unit/5 kg 18-20 Bags
Rate of Transfusion	2-4 hrs	10 ml/min	10 ml/min	10 ml/min



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CERTAIN SPECIFIC POINTS TO BE TAKEN CARE OF:

Specifics	Packed Red cells	Fresh Frozen Plasma	Platelet Concentrates	Cryoprecipitate
To be transfused as	Direct No warming	Thawed at 37C	Room temp.	Thawed at 37C
Transfuse within	30 minutes	24 hrs if in refrigerator	1-2 hrs	Immediate
Complete transfusion in	Not more than 4 hours	1-2 hrs	1-2 hrs	Immediate
Compatibility requirement	Group to group O neg.	Group to group	Optional impractical	Not needed

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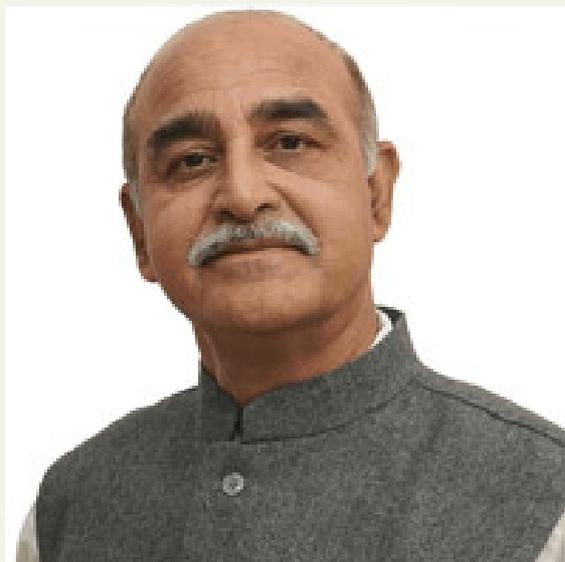
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MESSAGE FROM EXECUTIVE DIRECTOR



I HEARTILY CONGRATULATE THE DEPARTMENT FOR BEGINNING THE INDUCTION TO BLOOD TRANSFUSION SERVICES AT AIIMS-RAJKOT AND I WISH THEM ALL THE BEST FOR THE FUTURE PERSEVERENCES.

DR. (COL.) ASHWINI AGRAWAL

DR. TARANG PATEL

DR. SPRUHA DHOLAKIYA