Immediate Reaction		
Hemolytic	Sudden, severe	Identify donor and recipient blood types and groups
reactions	headache	before transfusion is begun; verify with another
Most severe type	Chills	nurse or practitioner.
but rare	Shaking	Transfuse blood slowly for the first 15 to 20 minutes o
Incompatible	Fever	initial 20% of blood volume; remain with patient.
blood	Pain at needle	Stop transfusion immediately in event signs or
Incompatibility in multiple	site and along venous tract	symptoms occur, maintain patent IV line, and notify practitioner.
transfusions	Nausea and	Save donor blood to recrossmatch with patient's
	vomiting	blood.
	Sensation of	Monitor for evidence of shock.
	tightness in	Insert urinary catheter and monitor hourly outputs.
	chest	Send samples of patient's blood and urine to
	Red or black	laboratory for presence of hemoglobin (indicates
	urine	intravascular hemolysis).
	Flank pain	Observe for signs of hemorrhage resulting from DIC.
	Progressive signs	Support medical therapies to reverse shock.
	of shock or renal failure	
Febrile reactions	Fever	May give acetaminophen for prophylaxis.
Leukocyte or	Chills	Leukocyte-poor RBCs are less likely to cause reaction.
platelet	Cillis	Stop transfusion immediately; report to practitioner
antibodies		for evaluation.
Plasma protein		ior evaluation.
antibodies		
Allergic reactions	Urticaria	Give antihistamines for prophylaxis to children with
Recipient reaction	Pruritus	tendency to allergic reactions.
to allergens in	Flushing	Stop transfusion immediately.
donor's blood	Asthmatic wheezing	Administer epinephrine for wheezing or anaphylactic reaction.
	Laryngeal edema	
Circulatory	Precordial pain	Transfuse blood slowly.
overload	Dyspnea	Prevent overload by using packed RBCs or
Too rapid	Rales	administering divided amounts of blood.
transfusion	Cyanosis	Use infusion pump to regulate and maintain flow rate
(even a small	Dry cough	Stop transfusion immediately if there are signs of
quantity)	Distended neck	overload.
Transfusion of	veins	Place child upright with feet in dependent position to
excessive	Hypertension	increase venous resistance.
quantity of		
blood (even		
slowly)	Cuddon difficulty	Normaliza procesura before container is ampty when
Air emboli May occur when	Sudden difficulty	Normalize pressure before container is empty when infusing blood under pressure.
blood is	in breathing Sharp pain in	Clear tubing of air by aspirating air with syringe at
transfused	chest	nearest Y connector if air is observed in tubing;
under pressure	Apprehension	disconnect tubing and allow blood to flow until air
r - 500 6420	- PPTettetioion	has escaped only if a Y connector is not available.
Hypothermia	Chills	Allow blood to warm at room temperature (<1 hour).
	Low temperature	Use approved mechanical blood warmer or electric
		warming coil to warm blood rapidly; never use
	Irregular heart	warming con to warm blood rabidity, never use
	Irregular heart rate	microwave oven.
	-	microwave oven.
	rate	
Electrolyte	rate Possible cardiac	microwave oven.  Take temperature if patient complains of chills; if
Electrolyte disturbances Hyperkalemia (in	rate Possible cardiac arrest	microwave oven.  Take temperature if patient complains of chills; if subnormal, stop transfusion.