

Table S3. Institutional protocol for granulocyte transfusion in pediatric patients with severe neutropenic infection

Item	Pooled buffy coat product	Apheresis-derived product
Donor type	4 ABO-compatible whole blood donors	Healthy single donor
Donor mobilization	None	G-CSF 10 mcg/kg SC + Dexamethasone 8 mg IV (1 day before)
Infectious screening	HIV, HBV, HCV, syphilis	Same
Crossmatching	Plasma compatibility	RBC and leukocyte compatibility
Preparation method	Buffy coat remnants from LD-PPC > PAS added > centrifuged (inverted technique)	Apheresis using a standard cell separator
Granulocyte yield	Not routinely quantified	$\geq 1 \times 10^{10}$ cells/unit
Irradiation	25 Gy	25 Gy
Shelf life	< 24 hours	< 24 hours
Premedication (recipient)	Chlorpheniramine 0.1-0.15 mg/kg IV + Dexamethasone 0.1 mg/kg IV	Same
Infusion method	IV over 4 hours via blood set	Same
Monitoring	Q 15 min (1 st hr), q 30 min,	Same

	then q 1 hr	
Adverse effect monitoring	TRALI, fever, dyspnea, hypotension CXR if symptoms	Same