

Aplastic Anaemia
Antithymocyte Immunoglobulin
Atgam® (equine / horse)

Height	cm
Weight	kg
BSA	m ²

Attach patient sticker

Destination:	BMTU	Date		
		Plts		> 30 x 10 ⁹ /L

Hypersensitivities/Allergies
PRN antiemetics
 Domperidone 10 mg PO QID PRN

Agent Round
Atgam® 50 mg
 (NB – 250mg vial size)
DOSE MODIFIED: No

Reference: British Journal of Haematology, 2016, 172, 187-207

Day	Date	Time	Agent	Dose	Route	Instructions	Doctor	Nurse	Check	Start	Stop	
1		T = -1	Loratadine	20 mg	PO	1 hour prior to Atgam®						
		T = -1	Paracetamol	1000 mg	PO	1 hour prior to Atgam®						
		T = -1	Methylprednisolone 1 mg/kg		mg	IV	In 100 mL sodium chloride 0.9 % over 15 mins					
		T = 0	Antithymocyte globulin (equine) Atgam® test dose	25 mg	mg	IV	In 100 mL sodium chloride 0.9 % over 1 hour					
		T = +1	*Antithymocyte globulin (equine) Atgam® 40 mg/kg (minus 25mg test dose)		mg	IV	#In 1000 mL sodium chloride 0.9 % over 12 hrs					
2		T = -1	Loratadine	20 mg	PO	1 hour prior to Atgam®						
		T = -1	Paracetamol	1000 mg	mg	PO	1 hour prior to Atgam®					
		T = -1	Methylprednisolone 1 mg/kg		mg	IV	In 100 mL sodium chloride 0.9 % over 15 mins					
		T = 0	Antithymocyte globulin (equine) Atgam® 40 mg/kg		mg	IV	#In 1000 mL sodium chloride 0.9 % over 12 hrs					

* Subtract the test dose from the first full dose.

Maximum Atgam® concentration is 4 mg/mL. If the dose is > 4,000 mg, split dose into 2 x 1000 mL bags and run consecutive bags over 6 hours each.

Give Atgam® through a PICC / central line with a 0.2 – 1 micron in-line filter.

Observe for signs and symptoms of hypersensitivity and anaphylaxis. Ensure hydrocortisone, chlorphenamine and adrenaline are available.

Consultant:

NZMC Reg. No:

Aplastic Anaemia
Antithymocyte Immunoglobulin
Atgam® (equine / horse)

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3		T = -1	Loratadine	20	mg	PO	1 hour prior to Atgam®					
		T = -1	Paracetamol	1000	mg	PO	1 hour prior to Atgam®					
		T = -1	Methylprednisolone 1 mg/kg		mg	IV	In 100 mL sodium chloride 0.9 % over 15 mins					
		T = 0	Antithymocyte globulin (equine) Atgam® 40 mg/kg		mg	IV	#In 1000 mL sodium chloride 0.9 % over 12 hrs					
4		T = -1	Loratadine	20	mg	PO	1 hour prior to Atgam®					
		T = -1	Paracetamol	1000	mg	PO	1 hour prior to Atgam®					
		T = -1	Methylprednisolone 1 mg/kg		mg	IV	In 100 mL sodium chloride 0.9 % over 15 mins					
		T = 0	Antithymocyte globulin (equine) Atgam® 40 mg/kg		mg	IV	#In 1000 mL sodium chloride 0.9 % over 12 hrs					
5-14			** Prednisone 1 mg/kg/day		mg	PO	Prescribe on MedChart / outpatient script					
15-21			** Prednisone 0.5 mg/kg/day		mg	PO	Prescribe on MedChart / outpatient script					
22-28			** Prednisone 0.25 mg/kg/day		mg	PO	Prescribe on MedChart / outpatient script					
15-180			Ciclosporin 2.5 mg/kg/BD				Prescribe on MedChart / outpatient script					

**** If unable to tolerate oral prednisone prescribe IV methylprednisolone (4 mg IV methylprednisolone is approximately equivalent to 5 mg prednisone)**

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Take ciclosporin trough levels weekly to achieve concentrations between 100 – 200 micrograms/L