

This IV monograph is intended for use in Paediatric intensive care and may not be suitable for patients in other clinical areas

Arginine

Drug	Dilution	Dose range	Rate calculations
Arginine	Make a standard syringe of 1g in 50ml (20mg/ml) of : glucose 5%, or glucose 10%, or sodium chloride 0.45% or sodium chloride 0.9%	Acute hyperammonaemia (all ages) 300mg/Kg as a single dose over 90 minutes Then : maintenance infusion of 12.5mg/Kg/hour (Doses can be increased or decreased on specialist advice)	Using 1g in 50ml: Initial infusion over 90 minutes 15ml/kg = 300mg/Kg over 90 minutes Maintenance infusion 0.625ml/Kg/hour = 12.5mg/Kg/hour
	For fluid restricted children: 5g in 50ml (100mg/ml) of: glucose 5%, or glucose 10%, or sodium chloride 0.45% or sodium chloride 0.9%		Using 5g in 50ml: Initial infusion over 90 minutes 3ml/kg = 300mg/Kg over 90 minutes Maintenance infusion 0.125ml/Kg/hour = 12.5mg/Kg/hour
Dose reference: British Inherited Metabolic Disease Group (BIMDG) emergency protocols www.bimdg.org.uk/protocols			

Common compatibilities

Arginine can be infused at y-site with sodium benzoate, sodium phenylbutyrate and carnitine

Written by (pharmacist signature)..... (Zoë Taylor) January 2011 Review Date: Aug 2012

Checked by (medical signature).....(Malcolm Gajraj) January 2011

This IV monograph is intended for use in Paediatric intensive care and may not be suitable for patients in other clinical areas