

regimen

For the first (2h) infusion, start by

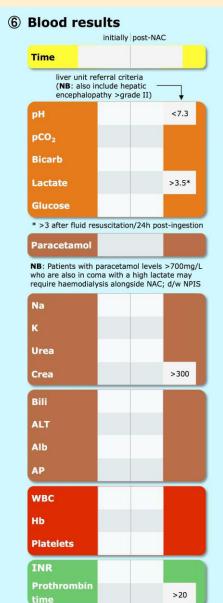
preparing the appropriate volume

of a 50mg/mL NAC solution shown

® NAC example prescription

- Regimen consists of 2 infusions given consecutively over 12h (2h + 10h)
- To prescribe the complete regimen in NC Meds, go to Emergency Medicine (Child/TYA) > Antidotes (Child/TYA) > Paracetamol overdose (Child/TYA) > NAC (Child/TYA) > N-Acetylcysteine (Child/TYA) or N-Acetylcysteine (Adult) depending on weight and prescribe both first and second infusion
- During Nervecentre downtime, use drug chart as per example in box 8. NB: For children >39.9kg use NAC regimen on 'adult' proforma instead; for those <20kg use regimen on 'children under 6 years of age' proforma.

	in column A . Administer only the					Solution Shown in Column D.					
Patient		me show				Administer only the volume shown in column F.					
weight (kg)	A		100mg/l		g/kg			200mg/kg			
		В	C	NAC dose	Rate	D	Е	F	NAC dose	Rate	
		mL	mL	mg	mL/h		mL	mL	mg	mL/h	
20-24	Remove 40mL from a 100mL bag of	- 36	44	2200	22	Remove 430mL from a 1000mL bag of glucose 5%. Add 3 NAC ampoules	- 160	440	4400	44	
25-29	glucose 5%. Add 2 NAC ampoules = 80mL	- 26	54	2700	27	= 600mL solution. Discard excess shown in column Run via pump.	- 60	540	5400	54	
30-34	solution. Discard excess shown in column Run via pump.	- 16	64	3200	32	Remove 240mL from a 1000mL bag of glucose 5%. Add 4 NAC ampoules	- 160	640	6400	64	
		- 6	74	3700	37	= 800mL solution. Discard excess shown in column Run via pump.	- 60	740	7400	74	



NAC reactions

NAC can cause nausea, vomiting, flushing, urticarial rash, angioedema, tachycardia,

bronchospasm and, rarely, shock. Reactions are more likely in female patients, asthmatics, those with a family history of allergies and pts with low paracetamol levels. They are mostly seen when giving the 1st bag (i.e. during rapid infusion of a large dose).

Reactions often settle when the infusion is

simply stopped temporarily; consider giving chlorphenamine IV if this is not effective. Add nebulised salbutamol if bronchospasm. Symptom control medications should all

be prescribed together with NAC routinely.

If unsuccessful, treat as anaphylaxis.

NB: Once reaction settled, restart the infusion at the standard rate.

Previous reaction is NO contraindication to NAC. If such reactions are reported, consider pre-treatment with IV chlorphenamine. Pre-treat with nebulised salbutamol if previous bronchospasm.

For age-appropriate doses of salbutamol and chlorphenamine, consult the BNFC.

Tot 27kg patient as per table in box 7												
Date	Infusion fluid		Additions to infusion		IV or	Line	Start Time	Time to run or ml/hr	Fluid			
	Type/strength	Volume	Drug	Dose	SC				Batch No.	Prescriber		
DD/MM/YY	Glucose 5% with NAC (50mg/mL)	54mL	N-Acetylcysteine	2700mg	IV		нн:мм	27ml/h (ú.e. runs over 2h)		Dr.'s Name		
DD/MM/YY	Glucose 5% with NAC (10mg/mL)	540mL	N-Acetylcysteine	5400mg	IV		нн:мм	54mL/h (í.e. runs over 10h)		Dr.'s Name		

For 27kg nations as nor table in how 7

For the second (10h) infusion, start by preparing

the appropriate volume of a 10mg/mL NAC

solution shown in column D