Neonatal Medication Guideline

Clinical Guideline

IV Compatibility in Neonates

Policy developed by: SA Maternal, Neonatal & Gynaecology Community of

Practice

Approved SA Health Safety & Quality Strategic Governance Committee on:

6 October 2017

Next review due: 6 October 2020

Summary The purpose of this guideline is to guide nursing, midwifery,

medical and pharmacy staff in the dosing and administration of IV

medications in neonates

Keywords IV compatibility in neonates, compatibility, neonatal medication

adrenaline, epinephrine, guideline, aciclovir, alprostadil, benzylpenicillin, penicillin, penicillin G, caffeine, caffeine citrate, calcium, calcium gluconate, cefotaxime, ciprofloxacin, dexamethasone, dexamethasone sodium phosphate, dobutamine, dopamine, fentanyl, fentanyl citrate, flucloxacillin, flucaonzole, furosemide, frusemide, gentamicin, hydrocortisone, hydrocortisone insulin sodium succinate, insulin, (neutral), magnesium, magnesium sulfate, magnesium sulphate, meropenem, metronidazole, midazolam, morphine, morphine sulfate, morphine sulphate, noradrenaline, noradrenaline tartrate, norepinephrine, phenobarbitone. phenobarbitone sodium. piperacillin/tazobactam, potassium, potassium chloride, ranitidine, sodium bicarbonate, suxamethonium, thiopentone, vancomycin,

vecuronium

Policy history Is this a new policy? N

Does this policy amend or update an existing policy? Y v1.0

Does this policy replace an existing policy? N

Applies to All SA Health Portfolio

Staff impact All Clinical, Medical, Midwifery, Nursing, Students, Allied Health,

Emergency, Mental Health, Pathology, Pharmacy

PDS reference CG275

Version control and change history

Version	Date from	Date to	Amendment
1.0	November 2012	February 2013	Original version
2.0	February 2013	October 2017	Updated version
3.0	6 October 2017	current	Complete review

© Department for Health and Ageing, Government of South Australia. All rights reserved



South Australian Neonatal Medication Guidelines

Intravenous medication compatibility chart

© Department of Health, Government of South Australia. All rights reserved

Note

This guideline provides advice of a general nature. This statewide guideline has been prepared to promote and facilitate standardisation and consistency of practice, using a multidisciplinary approach. The guideline is based on a review of published evidence and expert opinion.

Information in this statewide guideline is current at the time of publication.

SA Health does not accept responsibility for the quality or accuracy of material on websites linked from this site and does not sponsor, approve or endorse materials on such links.

Health practitioners in the South Australian public health sector are expected to review specific details of each patient and professionally assess the applicability of the relevant guideline to that clinical situation.

If for good clinical reasons, a decision is made to depart from the guideline, the responsible clinician must document in the patient's medical record, the decision made, by whom, and detailed reasons for the departure from the guideline.

This statewide guideline does not address all the elements of clinical practice and assumes that the individual clinicians are responsible for discussing care with consumers in an environment that is culturally appropriate and which enables respectful confidential discussion. This includes:

- The use of interpreter services where necessary,
- Advising consumers of their choice and ensuring informed consent is obtained,
- Providing care within scope of practice, meeting all legislative requirements and maintaining standards of professional conduct, and
- Documenting all care in accordance with mandatory and local requirements

ISBN number: 978-1-74243-881-8

Endorsed by: South Australian Maternal, Neonatal & Gynaecology Community of Practice

Last revised: 6/10/1

Contact: South Australian Neonatal Medication Guidelines Workgroup at:
Health:Neomed@sa.gov.au



Aciclovir																																	
Adrenaline (HCI) (epinephrine)	ı		_												С				Cor	mpati	ble; v	hen	admiı	niste	red v	ia Y-s	ite as	s per	guide	lines	i		
Alprostadil		C													I					ļ	ncon	patik	le- D	o NO	T ad	minis	ter vi	a Y-s	ite				
Benzylpenicillin (sodium)		С				_								В	lank							No c	lata; t	reat	as in	comp	atible	Э					
Caffeine Citrate	1	С	С		С											4		-											55U V				
Calcium Gluconate	С	C			С	С							ın	is tab	ie rete				ation: d to g										JNLY	, it sn	iouia		
Cefotaxime	С	С	С		С	С	С														•		•	•									
Ciprofloxacin	-			ı			С					'-																					
Dexamethasone sodium phosphate	С	С			С	С	ı	С	ı																								
Dobutamine	I	С	С		ı	С	С	I	С	ı																							
Dopamine	-1	С	С		С	С	С	С	С	С	С																						
Fentanyl Citrate	С	С	С		С	С	С	С		С	С	С		•																			
Flucloxacillin		C					ı		ı	С	ı																						
Fluconazole	С	С			С		С	С	С	С	С	С	С			'n																	
Furosemide	С	C	С		С	ı	С	С	ı	С	ı	С	С		ı																		
Gentamicin	- 1	С	С	ı	С	С	С	С	С	ı	С	С	С	ı	С	I																	
Hydrocortisone Sodium Succinate	С	С			С		ı	С	I	С	I	С	С	С	С	С	ı		,														
Insulin (neutral) infusion ONLY	С	ı			С		С	С		С	С	С	С		С	С	1	С															
Magnesium sulfate	С	С			С		С	С	ı	I	С	С	С		С	ı	С	-1	С														
Meropenem	_						ı		-	С	С	C			၁	C	၁		С	С													
Metronidazole	С	C		С			С	С	С	С	С	С	С	С	С	С	С	С	С	С	С												
Midazolam	ı	C	С	ı	С		С	С	С	1	ı	С	С	ı	С	ı	С	Т	С	С		С											
Morphine Sulphate	С	С	С		С	С	С	С	С	С	С	С	С		С	ı	С	С	С	С	С	С	С										
Noradrenaline tartrate (norepinephrine)		С			С		С	С	С	С	С	С	С		С	С	С	С	I	С	С	С	С	С									
Phenobarbitone sodium	С	-			ı	С	С	ı		С	-	С	C		С	C	С	С	С	C	С	С	ı	С	ı								
Piperacillin/ Tazobactam	ı	С					С		-	ပ	-	ပ	С		ပ	ပ	-	С	-	С		С	ı	C	С	С							
Potassium Chloride	С	С	С	ı	С	С	С	С	С	С	С	С	С	С	С	С	С	С	С	С	С	С	С	С	С	С	С						
Ranitidine	С	С			С		С	С	С	С	С	С	С	С	С	С	С	С	С	С	С	С	С	С	С	С	С	С					
Sodium Bicarbonate	С	ı		I	С	С	ı	I	ı	С	I	I	С	С	С	С	С	С	С	C	ı	С	ı	С	I	С	С	С	С				
Suxamethonium	С	С			ı		С	С		С	С	С	С		С	С	С	С	I	С		С	С	С	С	I	С	С	С	I			
Thiopentone	С	I					I				I	I	С			С		С	I			С	ı	С	I	С	I	С	С	Ι	I		
Vancomycin	С	С	С			С	С	I	С	С	С	С	С	I	С	I	С	ı	С	С	С	С	С	С	С	С	С	С	С	С	С	I	
Vecuronium	I	С	С				С	I	С	С	С	С	С		С	I	С	С	С	С	С	С	С	С	С	С	I	С	С	С	С	I	С
	Aciclovir	Adrenaline	Alprostadil	Amoxicillin	Benzylpenicillin	Caffeine Citrate	Calcium Gluconate	Cefotaxime	Ciprofloxacin	Dexamethasone sodium phosphate	Dobutamine	Dopamine	Fentanyl	Flucloxacillin	Fluconazole	Furosemide	Gentamicin	Hydrocortisone	Insulin (Neutral) infusion ONLY	Magnesium sulfate	Meropenem	Metronidazole	Midazolam	Morphine Sulphate	Noradrenaline	Phenobarbitone Sodium	Piperacillin/ Tazobactam	Potassium Chloride	Ranitidine	Sodium bicarbonate	Suxamethonium	Thiopentone	Vancomycin

South Australian Neonatal Medication Guidelines

Intravenous medication compatibility chart © Department of Health, Government of South Australia. All rights reserved

Version control and change history

PDS reference: OCE use only

Version	Date from	Date to	Amendment					
1.0	November 2012	February 2013	Original version					
2.0	February 2013	October 2017	Updated version					
3.0	6 October 2017	current	Complete review					

ISBN number: Endorsed by:

South Australian Maternal, Neonatal & Gynaecology Community of Practice

Last revised: Contact:

South Australian Neonatal Medication Guidelines Workgroup at:

Health:Neomed@sa.gov.au



Page 3 of 3