## NEO – Infusion - Continuous Medication Infusions



⊿ Ordersets

eral NEO Admission General

NEO Admission Preterm <32 Weeks NEO Admis

NEO Glucose Infusions NEO Glucose Infusions NEO Inotropes NEO Inotropes NEO Jaundice NEO Jaundice

NEO Parenteral Nutrition NEO Parenteral Nutrition

NEO Respiratory Support NEO Respiratory Support NEO ROP Screening Eye Drops NEO ROP Screening Eye Drops NEO Sedation and Analgesia Infusions NEO Sedation

NEO Seizure Medications NEO Seizure Medications

nd Analgesia Inf

**1** 

Modify Details

 NEO Cardiac and PDA Medications NEO Cardiac and PDA Medications
 NEO Electrolyte Correction NEO Electrolyte Correction

Digital Health Quick Reference Guide

This Quick Reference Guide will explain how to:
Order, Modify and Discontinue Neonatal Continuous Medications
Definitions:
Quick Orders - Custom made page that displays common orders. It is a 'one stop shop' for patient orders, including medications, pathology, imaging, ordersets and patient care tasks
NEO Dosing Weight - Is a weight used by the Neonatal team to calculate medication dosage which displays on the

**NEO Dosing Weight -** Is a weight used by the Neonatal team to calculate medication dosage which displays on the banner bar for all patients under 1 year of age

### Ordering via the Quick Orders mPage

- 1. Click on Medical Officer View from the Table of Contents and then select the Neonatology Quick Orders mPage.
- Continuous Medication orders can be found via the Ordersets available on the Quick Orders mPage. These can also be searched for these manually via the Orders and Referrals page
- 3. Click on the appropriate orderset
- 4. Select multiple orders if required and then click on the shopping cart icon at the top right corner.
- 5. Click **Modify Details** to open the ordering window.
- 6. Select the appropriate infusion order on the orderset by ticking the checkbox next to the order

NEO Inotr (Initiated Pending) NEO Inotropes 🤔 << Refer to WH Neonatal Medication Resource for individual monographs and full dosing guidance "HIGH RIS MEDICATIONS Adrenaline (Epinephrine) - 1 MICROg/kg/min Usual dosage range: 0.05 drenaline (epinephrine) (additive) 0.6 mg/kg + Glucose 5% infusion 25 mL 25 mL, IV Infusion, mL/hr, Total volu me (mL): 25 STRENGTH (1 mL/hour equiv 0.4 MICROg/kg/min) DOButamine Usual dosage range: 5-20 MICROg/kg/min Single Strength Infusions 25 mL, IV Infusion, mL/hr DOBUTamine infusion NEO SINGLE (30 mg/kg in 25mL) in Glucose 10% SINGLE STRENGTH (1mL/hr equiv 20 MICROg/kg/min) DOBUTamine infusion NEO SINGLE (30 mg/kg in 25 25 mL, IV Infusion, mL/hr mL) in Glucose 5% SINGLE STRENGTH (1mL/hr equiv 20 MICROg/kg/min) DOBUTamine infusion NEO SINGLE (30 mg/kg in 25 25 mL, IV Infusion, mL/hr





- The Dosage Calculator will automatically launch in a separate window
- The dose is calculated based on the Target dose and the dosing weight. The dosing weight will default the last documented NEO Dosing Weight
- 9. Click on **Apply Dose** to accept the calculated dose

						Date (	Comments.		
] Target dooe:	0.6	ng%p	140°			Dose Forms Under C	(ministrat)		
Calculated door:	2.1	ng				STRENGTH (1 mL/h	our equiv 0.4 MIC	(ROoko/min)	
Dose Adjustment:	21	mg	100 💠 🎗						
Final door:	2.1	ng	0.6	ng%g					
Standard dove:				noho					
Rounding rule:	No rounding		×						
Adjust Reason:			×		^				
Route:	N Infusion				~				
Rate:		nL/tv							
() Volume:		1							
rimence Diata	16/10/2022	it v (8 Month	đ						
eference Data ale of birth: ex: Whicity: width:	16/10/2022 Fenale ∨ No ∨	] ←   ♪ ∨ β Novêv	() Source	20.4	0/2822 00 12	2 44 00 cm Mainleft A	with Measured	2	
rimmon Data ale of birth: thricity: eight:	16/10/2022 Female v No v 44	] ←  B Month	() Source:	20/1	0/2022 00:12	2 44 00 cm Height/Le	ngfh Measured	×	
nference Data ate of birth: ex: thricity: wight: ctual weight:	16/10/2022 Fenale v No v 44	) ~ B North ] cn ] kg	() Source: Source:	20/1	0/2022 00 12	2 44.00 cm Height/Le 8 3500 kg NEO Doni	ngh Measured	× ×	
rference Data ate of birth: thricity: hight: ctual weight: djusted weight:	16/10/2022 Fenale v No v 44	] ∰ w (β Month ] cm ] kg ] kg	i) Source: Source: Adjustment:	20/1	0/2022 00:12 7/2023 15:58	2 44.00 cm Height/Le 3 3500 kg NEO Cosis	ngh Measured ng Weight	× ×	
deence Data ale ol birth: nc tricity: eight: chual weight: djuuted weight:	16/10/2022 Fenale V No V 44 2.5 3.5	Q v βMonth   cn   kg   kg	i) Source: Source: Adjustment: Adjustment:	20/1	0/2822 00 12 7/2823 15:58 1 (ML 30(0000	2 44.00 on Height Le 3 3500 kg NEO Doni	ngh Meanwed ng Weight	5 6	
ference Data ate of birth: ex: tricity: eight: ctual weight: duated weight: erum creatinine:	16/10/2022 Fenale ~ 44 2.5 3.5	Cm    BMonth   cm   kg   kg   unstL	() Source: Source: Adjutment: Adjuthex: Source:	20/1 14/0 Parts	0/2022 00.12 7/2023 15.56 8 (VC September willy entered	2 44 00 on Height Le 3 3500 kg NEO Donis	ngh Measured ng Weight	9 9 9	
ference Data ate of birth: the theicky: eight: chual weight: duated weight: duated weight: chual weight: duated weight: duated weight:	16/10/2022 Fenale ~ No ~ 44 3.5 3.5	] ♥ ♥  0 Month ] cn ] kg ] kg ] unsit.	() Source Source Adjustment Adjustment Adjustment	20/1 14/0 Manu Sche	0/2022 00 12 7/2023 15 56 8 /VC September wally entered	2 44.00 on Height Le 9 3500 kg NEO Dool 9 1	ngfh Measured ng Weight	v v v v v	
ference Data ale of birth: mc twicky: eight: tual weight: djusted weight: srum creatinine: Cl (est.)	16/10/2022 Fenale ~ No ~ 44 2.5 3.5	Der (D Month ] cn ] kg ] kg ] unsi/L	() Source: Adjustment: Adjustiter: Adjustiter: Adjustiter: Vreight Lived	20/1 14/0 Horse Schw Schw	0/2022 00.12 7/2023 16.56 8 yrc aquate ally entered ally entered	2 44.00 cm Height Le 9 3500 kg NEO Doois ethy	ngh Measured Ng Weight	V V Kaing das	

### Important – Dosing Weight

The Dosage Calculator will default the most recently documented neonatal dosing weight. The prescriber should **always** check that the dosing weight is correct before applying the dose. This can be viewed in the Banner Bar or Related Results.

If the weight is modified in the Dosage Calculator it **will not update** elsewhere is the EMR. The NEO Dosing Weight must be updated via the Dosing Weight and Fluid Intake Goals NEO Powerform.

- The screen returns to the orders screen and defaults to the **Continuous Details** tab on the scratchpad.
- 11. Enter a Normalized Rate in the Normalized Rate field. This will then populate the Rate and Infuse Over time. Alternatively, you can enter a Rate in mL/hr. Note: Normalized rate is a rate that is not

**Note:** Normalized rate is a rate that is **not** mL/hr.

neo motropes (mitiateu Fenuin	ig)				
NEO Inotro	pes				
😹 🛛 🍪 << Refer to WH	Neonatal Medication	Resource for individu	al monographs and	full dosing guidan	e
State Contract Contra	ĸ				
MEDICATION	IS				
🗳 Adrenaline (Ep	inephrine)				
🗳 Usual dosage r	ange: 0.05 - 1 MICRO	g/kg/min			
🗹 🙁 🚺 adrenaline (epine	ephrine) (additive) 2.4 mg	+ Glucose	25 mL,	IV Infusion, mL/hr, To	otal volume (mL): 25
5% infusion 25 m	L		STREN	GTH (1 mL/hour equi	v 0.4 MICROg/kg/min)
DOButamine					
Usual dosage r	ange: 5-20 MICROg/kg	g/min			
Single Strengti	n Intusions	a : of th	25 1 1		
in Glucose 10%	usion NEO SINGLE (30 mg	/kg in 25mL)	25 mL, I SINGLE	STRENGTH (1ml /br e	auiy 20 MICROa/ka/mir
	usion NEO SINGLE (20 mg	/kg in 25	25 ml	V Infusion ml /hr	quiv 20 michog/ kg/mir
Details T Continuous	Details 🗊 Order Com	ments 🛞 Offset Detail:	i Diagnoses	5% 111031011	
Base Solution	Bag Volume	Rate	Infuse Over		
Glucose 5% infusion	25 mL	S mL/hr			
Additive	Additive Dose	Normalized Rate	Delivers	Occurrence	
🗙 adrenaline (epinephrine) (add	ditive) 2.4 mg	8		EB 👤	
		8			
	25 ml				
Total Bag Volume	251112				
Total Bag Volume Weight: We	ight Type:	Result dt/tm:			

12. Update the Weight field to match the

dosing weight. You can find this in the Banner Bar or in Related Results





14. The order(s) will appear on the MAR under the **Continuous Infusions** section

	Pending
adrenaline (epinephrine) (additive) 2.1 mg [0.4 MICROg/kg/min] Glucose 5% infusion 25 mL	Not given within 5 days.
25 mL, IV Infusion, Rate: 1 mL/hr, First dose 15/07/2023 01:56:00, Total volume (mL): 25 STRENGTH (1 mL/hour equiv 0.4 MICROg/kg/min) Target Dose: adrenaline (epinephr	
Administration Information	
adrenaline (epinephrine)	
Glucose 5% intravenous infusion solution	
x	

in 25 mL) in Glucose 5%

in 25 mL) in Sodium Chloride 0.9%

Digital Health

# Handy Hint – IV Sets Neonatal continuous infusion IV sets can be ordered individually (i.e. not part of an orderset) via the New Order Entry + widget on the Quick Orders mPage, or via Orders and Referrals. The IV sets will be denoted with NEO, in line with neonatal IV set naming conventions

### Modifying or Discontinuing infusions

### Important – Modify vs Cancel/Discontinue

- Modify should be used to update an infusion to reflect a change in dose, rate, frequency and order comments.
- **Cancel/DC** should be used to update an infusion order to reflect a change in the constituent, diluent and prescription as the patient grows and gains weight.

For information about modifying infusions, please refer to the Infusions - Modifying Infusions QRG

#### Discontinuing orders using Cancel/DC:

- 1. Select "Orders and Referrals"
- 2. Under "View", select "Continuous Infusions" or "Medications" to view the existing infusions
- 3. Right click the order and select "Cancel/DC".
- 4. Enter a discontinue reason (e.g. No longer necessary) and **sign** off the order
- 5. The discontinued order will appear greyed out on the MAR under the Discontinued section

Continuo	ous Intusions	
	adrenaline (epinephrine) (additive) 2.1 mg [0.4 MICROg/kg/min] + Glucose 5% infusio	Renew
🗹 🝗	Glucose 10% infusion 500 mL	Modify
		Сору
🗹 🍗	Neonatal Standard Preterm PN 750 mL	Cancel/Reorder
Modenti		Suspend
		Activate
<u> </u>	sucrose (sucrose 24% syrup)	
$\checkmark$	chloral hydrate	Complete
		Cancel/DC
🗹 🍗	sodium chloride (sodium chloride 0.9% for injection)	Delete

Medications

Continuous Infusions

Version: 1 Appr



to sign the

 $(\mathbf{x})$ 

NORadrenaline (NORepinephrine) infusion NEO 0.6 mg/kg

NORadrenaline (NORepinephrine) infusion NEO (0.6 mg/kg