EVIS: Peripheral Norepinephrine Preparation and Administration Record

Randomisation: Early Peripheral Vasopressor/Intervention Arm

Participant No:

Attach patient label

Participant Weight:_____ kg

Preparation instructions for solution containing Norepinephrine (Noradrenaline) 16 microgram in 1ml

CHECK! Study medicine **must** be prescribed on hospital prescription as per usual practice.

To prepare a 250ml infusion containing norepinephrine 16 micrograms/ml

- 1 x 4ml ampoule norepinephrine 1mg/ml concentrate for solution for infusion
- 1 x 250ml infusion bag of 5% glucose or 0.9% sodium chloride

To prepare a 500ml infusion containing norepinephrine 16 micrograms/ml

- 1 x 8ml ampoule norepinephrine 1mg/ml concentrate for solution for infusion
- 1 x 500ml infusion bag of 5% glucose or 0.9% sodium chloride

Method

1. Withdraw volume of diluent from infusion bag equal to the volume of norepinephrine solution that will be added and discard
2. Withdraw contents of one ampoule of norepinephrine 1mg/ml concentrate for solution for infusion into a syringe and add to the infusion bag.
3. Mix thoroughly and inspect. Do not use if solution is discoloured or contains precipitate.
4. Label infusion bag as per standard practice.
5. Add an EVIS study label (Optional)

EVIS **EVIS Randomisation:** INTERVENTION arm **Participant No:_____**
FOR CLINICAL TRIAL USE ONLY
Prepared infusion contains:
Norepinephrine (Noradrenaline)
16 micrograms in 1 ml for peripheral IV infusion
SCAN ME
Sponsor: NHS Greater Glasgow & Clyde **EudraCT:** 2021-006886-39 Version DRAFT 28.05.2022

Dosing guidance for peripheral IV norepinephrine

Patient weight*	Starting dose of 0.05 micrograms/kg/min		Maximum dose of 0.15 micrograms/kg/min	
	Total drug dose per hour (micrograms/ hour)	Flow rate per hour ** (ml / hr)	Total drug dose per hour (micrograms/ hour)	Flow rate per hour ** (ml / hr)
40kg ☐	120	7.5	360	22.5
50kg ☐	150	9.4	450	28.1
60kg ☐	180	11.3	540	33.8
70kg ☐	210	13.1	630	39.4
80kg ☐	240	15.0	720	45.0
90kg ☐	270	16.9	810	50.6
100kg ☐	300	18.8	900	56.3
110kg ☐	330	20.6	990	61.9
120kg ☐	360	22.5	1080	67.5
>120kg ☐ See weight above				

Key
* Round to nearest 10 kg for dosing purposes
** Round to nearest whole ml if pumps cannot accommodate 1 decimal place
Calculate to exact kg for weights above 120kg. See over for worked example.

If you need more information:

- Contact local research team.
- See EVIS Clinical Information Sheet in participant's medical notes.
- Find the protocol and other study documents at www.evis.scot.nhs.uk

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Preparation Record

Medicine	Total amount of drug in infusion bag	Name of Diluent	Total Volume in Bag (ml)	Drug Concentration:	Route	Date & time prepared	Prepared by/ Checked by
Norepinephrine	_____ **mg**	Sodium Chloride 0.9% ☐ Glucose 5% ☐	_____ **ml**	_____micrograms in 1ml	Peripheral IV Infusion		
Repeat 1 Norepinephrine	_____ **mg**	Sodium Chloride 0.9% ☐ Glucose 5% ☐	_____ **ml**	_____micrograms in 1ml	Peripheral IV Infusion		

EVIS PERIPHERAL NOREPINEPHRINE: Dose check/change & administration record **Participant No:**				**Instructions for Completion:** Complete hourly **and** at each rate change	**Sheet No:** 1
Dose Checks	**Dose check/change** (hh:mm)	**Flow rate per hour** (ml/hr)	**Infusion volume remaining** (ml)	**PVC Grade** **0** = normal **1** = pink/blistered skin, slight ↓ limb mobility, **2** = red skin, pitting oedema, ↓↓ limb mobility **3** = blanched skin, tissue loss, immobile limb, **4** = blackened skin, tissue loss + necrosis	**Recorded by**
Initial dose	**Initial infusion start time** (hh:mm) **& date** __ __ : __ __ ____/____/_____	_____ml/hr	_____ml		
Check/ Change 1	**Dose:** ↑ ☐ ↓☐ No change ☐ Restarted ☐ __ __ : __ __ Stopped ☐	_____ml/hr	_____ml		
Check/ Change 2	**Dose:** ↑ ☐ ↓☐ No change ☐ Restarted ☐ __ __ : __ __ Stopped ☐	_____ml/hr	_____ml		
Check/ Change 3	**Dose:** ↑ ☐ ↓☐ No change ☐ Restarted ☐ __ __ : __ __ Stopped ☐	_____ml/hr	_____ml		
Check/ Change 4	**Dose:** ↑ ☐ ↓☐ No change ☐ Restarted ☐ __ __ : __ __ Stopped ☐	_____ml/hr	_____ml		
Check/ Change 5	**Dose:** ↑ ☐ ↓☐ No change ☐ Restarted ☐ __ __ : __ __ Stopped ☐	_____ml/hr	_____ml		
Check/ Change 6	**Dose:** ↑ ☐ ↓☐ No change ☐ Restarted ☐ __ __ : __ __ Stopped ☐	_____ml/hr	_____ml		
Check/ Change 7	**Dose:** ↑ ☐ ↓☐ No change ☐ Restarted ☐ __ __ : __ __ Stopped ☐	_____ml/hr	_____ml		
Check/ Change 8	**Dose:** ↑ ☐ ↓☐ No change ☐ Restarted ☐ __ __ : __ __ Stopped ☐	_____ml/hr	_____ml		
Check/ Change 9	**Dose:** ↑ ☐ ↓☐ No change ☐ Restarted ☐ __ __ : __ __ Stopped ☐	_____ml/hr	_____ml		
Check/ Change 10	**Dose:** ↑ ☐ ↓☐ No change ☐ Restarted ☐ __ __ : __ __ Stopped ☐	_____ml/hr	_____ml		

Infusion flow rate calculation: Worked example for participants over 120kg For 123kg patient with norepinephrine dose of 0.05 micrograms/kg/min

Step 1: Calculate the dose (micrograms/minute) = 0.05 micrograms/kg/min x 123 kg = 6.15 micrograms/minute

Step 2: Convert dose from microgram/minute to micrograms/hour = 6.15 micrograms/minute x 60 = 369 micrograms/hour

Step 3: Calculate the infusion rate (ml/hour) = $\frac{=369 \text{ micrograms/hour}}{16 \text{ micrograms/ml}}$ **= 23.1 ml/hour Note:** If infusion pump cannot accept volumes to 1 decimal place round to 23ml/hour.

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EVIS PERIPHERAL NOREPINEPHRINE: Dose check/change & administration record (Continuation sheet) **Participant No:**				**Instructions for Completion:** Complete hourly **and** at each rate change	**Sheet No:** _____
Dose Checks	**Dose check/change** (hh:mm)	**Flow Rate per hour** (ml/hr)	**Infusion volume remaining** (ml)	**PVC Check** **0** = normal **1** = pink/blistered skin, slight ↓ limb mobility, **2** = red skin, pitting oedema, ↓↓ limb mobility **3** = blanched skin, tissue loss, immobile limb, **4** = blackened skin, tissue loss + necrosis	**Recorded by**
Check/ Change ______	**Dose:** ↑ ☐ ↓☐ No change ☐ Restarted ☐ : Stopped ☐	________ml/hr	________ml		
Check/ Change ______	**Dose:** ↑ ☐ ↓☐ No change ☐ Restarted ☐ : Stopped ☐	________ml/hr	________ml		
Check/ Change ______	**Dose:** ↑ ☐ ↓☐ No change ☐ Restarted ☐ : Stopped ☐	________ml/hr	________ml		
Check/ Change ______	**Dose:** ↑ ☐ ↓☐ No change ☐ Restarted ☐ : Stopped ☐	________ml/hr	________ml		
Check/ Change ______	**Dose:** ↑ ☐ ↓☐ No change ☐ Restarted ☐ : Stopped ☐	________ml/hr	________ml		
Check/ Change ______	**Dose:** ↑ ☐ ↓☐ No change ☐ Restarted ☐ : Stopped ☐	________ml/hr	________ml		
Check/ Change ______	**Dose:** ↑ ☐ ↓☐ No change ☐ Restarted ☐ : Stopped ☐	________ml/hr	________ml		
Check/ Change ______	**Dose:** ↑ ☐ ↓☐ No change ☐ Restarted ☐ : Stopped ☐	________ml/hr	________ml		
Check/ Change ______	**Dose:** ↑ ☐ ↓☐ No change ☐ Restarted ☐ : Stopped ☐	________ml/hr	________ml		
Check/ Change ______	**Dose:** ↑ ☐ ↓☐ No change ☐ Restarted ☐ : Stopped ☐	________ml/hr	________ml		
Check/ Change ______	**Dose:** ↑ ☐ ↓☐ No change ☐ Restarted ☐ : Stopped ☐	________ml/hr	________ml		
Check/ Change ______	**Dose:** ↑ ☐ ↓☐ No change ☐ Restarted ☐ : Stopped ☐	________ml/hr	________ml		