



Gloucestershire

Glyceryl Trinitrate (GTN) Infusion Chart for Chest Pain

Name:
Date of Birth: DD /MM /YYYY
MRN Number:
NHS Number:
<i>(or affix hospital label here)</i>

Hospital:	Ward:
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1. Prescription

Please indicate in the inpatient drug chart that a Glyceryl Trinitrate Infusion Chart is being used. When prescribing dosage please write 'see GTN Chart'. Prescribing the infusion in this way authorises the designated nurses to adjust the infusion rate according to response.

Doctor's Name (Print):	Doctor's Signature:	Date: DD /MM /YYYY	Time:
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2. Infusion Solution

Prepare the infusion solution by drawing up a 50mL syringe of (ready mixed) Glyceryl Trinitrate (50mg in 50mL).

As with all infusion solutions any unused portion should be discarded after 24hours.

3. Administration of Infusion Solution

The initial infusion rate is 1mg (1mL) per hour.

Commence Infusion at 1mg (1mL) per hour	Given By:	Signature:	Date: DD /MM /YYYY	Time:
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Observe the patient for the first 5 minutes to watch for signs of sensitivity (↓BP, pale, faint, dizzy, unwell, EWS).

Dosage adjustment

In all cases the dose administered should be adjusted to patient response. **Titrate to Pain Score (PS) 0-3. Titrate infusion up or down at 0.5-1mL/hour increments in 15 minute intervals as tolerated by patient's BP and pain score. Always maintain systolic blood pressure above 90mmHg.**

Pathway 1 PS 1, Infuse GTN 1-3mL/hour	Pathway 2 PS 2, Infuse GTN 3-5mL/hour	Pathway 3 PS 3, Infuse GTN 5-10mL/hour
<ul style="list-style-type: none"> Check BP – 30 minutes Systolic BP > 90 – Continue PS > 1 – Move up to Pathway 2 Pain Free – Titrate down and Stop Infusion Systolic BP ↓ but > 90 – Increase monitoring frequency to 15 minutes Systolic BP < 90 – Titrate down and Stop Infusion 	<ul style="list-style-type: none"> Check BP – 30 minutes Systolic BP > 90 – Continue PS > 2 – Move up to Pathway 3 PS < 2 – Titrate dose to Pathway 1 Pain Free – Titrate down and Stop Infusion Systolic BP ↓ but > 90 – Increase monitoring frequency to 15 minutes Systolic BP < 90 – Titrate down and Stop Infusion 	<ul style="list-style-type: none"> Check BP – 30 minutes Systolic BP > 90 – Continue PS < 3 – Move down to Pathway 2 Pain ↑ – Seek medical advice Systolic BP ↓ but > 90 – Increase monitoring frequency to 15 minutes Systolic BP < 90 – Titrate down and Stop Infusion

Administration of the infusion and titration of the dose must be documented overleaf

