





ADULT MEDICATION GUIDELINE

GLYCERYL TRINITRATE

This document should be read in conjunction with this [DISCLAIMER](#)

<p>Presentation</p>	<p>Ampoule: 50mg/10mL Sublingual Tablet: 600microg Sublingual Spray: 400microg/metered dose Transdermal Patch: 10mg/24hr, 5mg/24hr Ointment (Rectogesic®): 0.2% (30g)</p>
<p>Dose</p>	<p><u>Uterine Relaxant (Caesarean Birth)</u> Sublingual Spray: 1 to 2 sprays (400 - 800microg) administered as spray droplets under the tongue (do not inhale).</p> <p>IV Bolus: Administer 50-100microg (1-2mL of below prepared solution) intravenously. Titrate to effect repeating dose every minute</p> <p><u>Tocolytic (Second line)</u> Transdermal Patch: Apply 5 - 10mg patch to abdominal skin, and repeat the dose in 1 hour if the contractions persist (Maximum dose 20mg in 24 hours)</p> <p><u>Uterine Relaxant (Postpartum Haemorrhage - Uterine Inversion)</u> Sublingual Tablet: 600microg</p> <p><u>Peri-Operative Blood Pressure Control</u> Refer to FSH GTN Infusion Specialised Drug Administration Guideline</p> <p><u>Anal Fissures</u> Refer to Adult Medication Protocol: Anorectal Products</p>
<p>Administration</p>	<p><u>IV Bolus</u> <i>NB: The standard IV preparation of GTN requires careful dilution in preparation for administration</i></p> <p>Dilution: Inject 1mL of a 50mg ampoule (5mg) into 100mL Sodium Chloride 0.9% (concentration is 50microg/mL) and withdraw 20mL.</p>

	<p>Administration: Titrate to effect as per anaesthetist. <i>Discard premixed bag after use.</i></p> <p><u>Sublingual Tablet</u> Place tablet under tongue and allow to dissolve, do not swallow</p> <p><u>Sublingual Spray</u> Prime spray before using it for the first time by pressing nozzle 5 times into air or if it hasn't been used for 7 days. Spray under the tongue. Do not inhale spray</p> <p><u>Transdermal Patch</u> Apply to clean, dry skin on chest or upper arm</p>
Pregnancy	<p>1st Trimester: Considered safe to use 2nd Trimester: Considered safe to use 3rd Trimester: Considered safe to use</p>
Breastfeeding	<p>Considered safe to use (Ointment) Monitoring required (IV, Transdermal, Sublingual) – use lowest effective dose and monitor infant for flushing and discomfort after breastfeeding.</p>
Monitoring	<p>Do not stop GTN IV infusion abruptly because of the potential for rebound symptoms Sublingual Tablets: Expire 3 months after bottle first opened</p>
Clinical Guidelines and Policies	<p>WNHS Clinical Practice Guideline: Preterm Labour WNHS Clinical Practice Guideline: Pharmacological Management of Uterine Tone and Caesarean Birth WNHS Clinical Practice Guideline: Uterine Inversion WNHS Pharmacy Guideline: Medication Administration WNHS Clinical Practice Guideline: Peripherally Inserted Central Catheter (PICC)</p>
References	<p>Australian Medicines Handbook. Glyceryl Trinitrate. In: Australian Medicines Handbook [Internet]. Adelaide (South Australia): Australian Medicines Handbook; 2017 [cited 2018 Apr 02]. Available from: https://amhonline.amh.net.au</p> <p>The Royal Women's Hospital. Glyceryl Trinitrate. In: Pregnancy and Breastfeeding Medicines Guide [Internet]. Parkville (Victoria): The Royal Women's Hospital; 2016 [cited 2018 Apr 02]. Available from: https://thewomenspbmg.org.au/</p>

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