<table>
<thead>
<tr>
<th><strong>DRUG:</strong></th>
<th><strong>GLYCERYL TRINITRATE</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PRESENTATION:</strong></td>
<td>Ampoule: 50mg / 10mL</td>
</tr>
</tbody>
</table>
| **ACTION & INDICATION:** | Vasodilating agent  
For control of hypertension associated with surgical procedures such as cardiac surgery. |
| **DOSE:** | IV: 1 to 10 microgram / kg / minute  
Usual dose 1-3 microgram / kg / minute |
| **PREPARATION:** | **Use solution prepared in Pharmacy if available.**  
Diluent: Glucose 5% only  
Add 3mg / kg to 50mL of diluent  
This is then infused at a rate of  
1 - 10 mL / hr = 1 microgram / kg / minute to  
10 microgram / kg / minute  
For other concentrations refer to the Calculation of drug infusion table. |
| **ADMINISTRATION:** | Intravenous infusion  
Use only polyethylene tubing – Portex manometer or Go Medical V2V4, V set tubing, as GTN migrates readily into plastic  
Do not filter. |
| **ADVERSE EFFECTS:** | Tachycardia  
Bradycardia  
Hypotension  
Vomiting  
Use gloves, or wash hands well when handling GTN to prevent severe headaches. |
| **COMMENTS:** | Do not use if turbidity or crystallisation present in prepared solution (concentration > 20mg/50mL).  
GTN IS NOT LIGHT SENSITIVE  
Compatible with Morphine and Dopamine solutions providing they are diluted in Glucose 5% and rate of administration is similar. |
| **REFERENCES:** | BNF for Children 2012 |
| **DATE:** | September 2013 |