

GLYCERYL TRINITRATE (*Anginine*) (B2)

(Revised: July 2019)



TYPE: Nitrate smooth muscle relaxant and vasodilator [S3]

PRESENTATION: White 600mcg sublingual tablets

ACTIONS:

1. Arterial and venous vasodilation
2. Dilation of collateral coronary vessels

USES:	ICP	1. Relieve cardiac pain of ischaemic origin	AP
	ICP	2. Relieve pulmonary oedema	AP
	ICP	3. Management of autonomic dysreflexia	AP

ADVERSE EFFECTS:

1. Hypotension
2. Headache
3. Flushing of skin
4. Occasionally - bradycardia

CONTRA-INDICATIONS:

1. Do not administer if systolic BP is <90mmHg
2. Do not administer if heart rate is <50/min (this does not apply to patients with autonomic dysreflexia)
3. Noting that patients of all genders are prescribed the following medications for a range of conditions:
 - a) do not administer GTN if patient has taken **sildenafil** (*Viagra*), **vardenafil** (*Levitra*) or **avanafil** (*Spedra*) within the past 24 hours
 - b) following the last dose of **tadalafil** (*Cialis*), do not administer GTN within 4 to 5 days in the elderly and those with renal impairment, or 3 to 4 days in all other patients
4. Known hypersensitivity

PRECAUTION: Be cautious in the event of suspected right ventricular ischaemia/infarct – have fluids running, and use nitrates with caution.

NOTES:

- Tablet should fizz under tongue if it is still potent
- Use tablets within 3 months of opening bottle
- The container **MUST** be dated when first opened

continues over

GLYCERYL TRINITRATE (*Anginine*) (B2) – cont.



DOSES:

CHEST PAIN		
ADULT:		
ICP	<p>1 tablet sublingually (600mcg). Repeat once, if necessary (total 2 doses)</p> <p>If patient has not previously used nitrates or if systolic BP is between 90-100mmHg, give ½ tablet (300mcg). Repeat ½ tablet once, if necessary.</p>	AP
PAEDIATRIC:		
	Not used.	
ACUTE CARDIOGENIC PULMONARY OEDEMA		
ADULT:		
ICP	<p>1 tablet sublingually (600mcg). Repeat once, after approximately 5 minutes if in severe respiratory distress (total 2 doses).</p> <p>If patient has not previously used nitrates or if systolic BP is between 90-100mmHg, give ½ tablet (300mcg). Repeat ½ tablet once, if in severe respiratory distress.</p>	AP
PAEDIATRIC:		
	Not used.	
AUTONOMIC DYSREFLEXIA		
ADULT:		
ICP	<p>300mcg (½ tablet) sublingually.</p> <p>If little or no effect – repeat up to two times (total 3 doses), with 5 minutes between doses, monitoring BP.</p>	AP
PAEDIATRIC (12 – 16 years):		
ICP	<p>Half adult dose (150mcg or ¼ tablet) sublingually.</p> <p>If little or no effect – repeat up to two times (total 3 doses), with 5 minutes between doses, monitoring BP.</p>	AP