Transiderm-Nitro glyceryl trinitrate: average absoption rate 5mg in 25 hours : 24-hour control of angina through the skin.

## Contributors

**Geigy Pharmaceuticals** 

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## Transiderm-Nitro

# once a day 24 hour protection against angina attacks

## Waterproof backing foil

enabling patients to shower or bath.

Drug reservoir containing glyceryl trinitrate.

Rate limiting membrane ensuring 24 hour delivery.

Non-irritating contact adhesive.

Skin.

Capillary.

# Transiderm-Nitro

## easily applied

Transiderm-Nitro is a discreet patch which your patients change daily. After 24 hours the patch is removed and a new one is applied to a different non-hairy part of the chest to avoid the possibility of skin irritation.

## Transiderm-Nitro glyceryl trinitrate

Prescribing information

#### Presentation

Transidern-Nitro is a transdermal drug delivery system, comprising a self-adhesive, pink-coloured patch, containing a drug reservoir of glyceryl trinitrate BP. The Transiderm-Nitro patch has a contact surface measuring 10cm<sup>2</sup> and a glyceryl trinitrate content of 25mg.

#### Indication

Prophylactic treatment of attacks of angina pectoris, as monotherapy or in combination with other anti-anginal agents.

#### Mode of action

Mode of action Transiderm-Nitro is a novel drug delivery system designed to achieve a prolonged and constant release of glyceryl trinitrate. Glyceryl trinitrate acts by venous and arterial vasodilation and redistribution of myocardial blood flow. Following the application of Transiderm-Nitro the plasma level of glyceryl trinitrate reaches a constant plateau within two hours, which is maintained for at least 24 hours. During the first hour after removal of the patch the plasma level fails rapidly.

#### Dosage and administration

Dosage and administration One patch is to be applied every 24 hours. The average total amount of glyceryl trinitrate absorbed per patch in 24 hours is 5mg. It is recommended that the patch is applied to the lateral chest wall. The patch should be removed after 24 hours, and the replacement patch applied to a new area of skin. Allow several days to elapse before applying a fresh patch to the same area of skin. If acute attacks of angina pectoris occur, rapid acting nitrate preparations may be required. Efficacy and tolerability beyond 28 day's therapy has to be established.

#### Side-effects

Side-effects Headache may occur and usually regresses after a few days. Reflex tachycardia can be controlled by concomitant treatment with a beta-blocker. Postural hypotension, nausea and dizziness occur rarely. Allergic skin reactions, a local mild itching or burning sensation may occasionally occur. Upon removal of the patch, any slight reddening of the skin will usually disappear in a few hours.

## Geigy

#### Precautions

In recent myocardial infarction or acute heart failure, Transiderm-Nitro should be employed only under careful clinical surveillance.

As with all anti-anginal nitrate preparations, withdrawal of treatment should be gradual, by replacement with decreasing doses of long-acting oral nitrates.

#### Contra-indications

Transiderm-Nitro should not be prescribed to patients hypersensitive to nitrates, or in severe hypotension. Marked anaemia, increased intraocular pressure or intracranial pressure.

Pregnancy As with all drugs, Transiderm-Nitro should not be prescribed during pregnancy, particularly during the first trimester, unless there are compelling reasons for doing so.

#### Treatment of overdosage

Treatment of overdosage High doses of glyceryl trinitrate are known to cause pronounced systemic side-effects, e.g. a marked fall in blood pressure or collapse. However, with Transiderm-Nitro, the rate controlling membrane will reduce the likelihood of overdosage occurring. In contrast to long-acting oral nitrate preparations, the effect of Transiderm-Nitro can be rapidly terminated simply by removing the system. Any fall in blood pressure or signs of collapse that may occur, may be managed by resuscitative measures.

#### Further information

Transiderm-Nitro gives a controlled release of glyceryl trinitrate over at least 24 hours, and thereby avoids high peaks of blood levels, minimising the incidence of other official control of the second side-effects

sude-effects. Although glyceryl trinitrate is volatile, resulting, in the case of most products, in loss of the drug after relatively short storage, the design of the Transiderm-Nitro patch ensures that the dosage to the patient is maintained even after 2 years' storage.

#### Packs

Boxes of 30 patches. PL 0001/0094. Basic NHS price £19.33

\* denotes registered trademark. Full prescribing information is available on request from Geigy Pharmaceuticals, Horsham, West Sussex.

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