Nitrogina SR

Nitroglycerin

COMPOSITION

Each sustained released tablet contains diluted Nitroglycerin USP equivalent to Nitroglycerin 2.6 mg.

PHARMACOLOGY

Nitrogina SR (Nitroglycerin) causes relaxation of vascular smooth muscle, producing a vasodilator effect on both peripheral arteries and veins. Dilation of veins promote peripheral pooling of blood and decreases venous return to the heart, thereby reducing left ventricular end-diastolic pressure (preload) and relaxation of arteries reduce systemic vascular resistance and arterial pressure (afterload).

INDICATIONS

Nitrogina SR (Nitroglycerin) is indicated for the prophylaxis of angina pectoris. The onset of action is not sufficiently rapid for this form to be useful in aborting an acute anginal episode.

DOSAGE AND ADMINISTRATION

Dosage should always to be adjusted according to the requirement and response obtained by the individual patient and the severity of the anginal pain. For adults, one Nitroglycerin 2.6 mg tablet in morning and evening. The tablet should be taken empty stomach.

CONTRAINDICATIONS

Nitroglycerin is contraindicated in patients with a known hypersensitivity to nitroglycerin, other organic nitrates or nitrites or to the excipients of the medicine. It is also contraindicated in patients with acute myocardial infarction, marked anaemia, head trauma, cerebral haemorrhage or closed angle glaucoma.

WARNING AND PRECAUTION

Nitroglycerin should be used with caution in patients who are predisposed to closed-angle glaucoma. As with other drugs for the treatment of angina pectoris, abrupt discontinuation of therapy may lead to exacerbation of symptoms. When discontinuing long term treatment, the dosage should be reduced gradually over several days and the patient carefully monitored. The use of Nitroglycerin during the early days of acute myocardial infarction requires particular attention to hemodynamic monitoring and clinical status to avoid the hazards of hypotension and tachycardia.

SIDE EFFECTS

Headache may occur at the onset of treatment but will usually subside after a few days. If the headache persists dosage should be decreased. Other side effects include tachycardia, postural hypotension and syncope, cyanosis and methaemoglobinaemia.

USE IN PREGNANCY AND LACTATION

Nitroglycerin should not be used during pregnancy or lactation unless considered essential by the physician.

USE IN CHILDREN AND ADOLESCENTS

The safety and efficacy of Nitroglycerin in children & adolescent patients have not been established.

DRUG INTERACTIONS

Nitroglycerin dilates peripheral blood vessels and may increase the antihypertensive properties of vasodilators, calcium antagonists, beta-adrenergic blockers. Concomitant use of nitrates with tricyclic antidepressants and alcohol may cause high blood pressure. Concomitant use of nitrates with phosphodiesterase type 5 (PDE5) inhibitors, such as sildenafil, vardenafil and tadalafil cause fall in blood pressure. Aspirin decreases the clearance and enhances the hemodynamic effects of Nitroglycerin. Nitroglycerin may reduce the pharmacologic effects of heparin when used concomitantly. Nitrates increase the bioavailability of dihydroergotamine.

OVERDOSAGE

The symptom may be peripheral vasodilation with a fall in blood pressure and reflex tachycardia. In case of overdose monitor cardiac function and provide supportive measure. Plasma volume should be increased by fluid substitution.

STORAGE

Store below 30^{0}C temperature in a cool & dry place. Protect from light and excessive heat. Keep out of the reach of children.

HOW SUPPLIED

Each box contains 50 tablets in Alu-Alu blister pack.

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NIPRO JMI Pharma

Manufactured by:
NIPRO JMI Pharma Ltd.
Chauddagram, Cumilla, Bangladesh.