

Oxynex[®] Nasal Drops & Spray

Oxymetazoline Hydrochloride BP

Description

Oxymetazoline Hydrochloride is an imidazoline derivative sympathomimetic amine. It is a direct agonist at α -adrenoceptors but has no actions on β -adrenoceptors. It is used as a topical agent on the nasal mucosa, produces a rapid and long-acting vasoconstriction of the arterioles, thus reducing blood flow and diminishing swelling of the mucosa. This results in improved patency of the airway and better drainage of nasal sinuses.

Mode of action

Oxymetazoline HCL is sympathomimetic imidazoline derivative with predominant α -2 adrenergic activity. It has α -1 adrenergic activity at higher concentrations. Both agonist activities result in a vasoconstriction, if applied topically to the nasal mucosa causing decongestion.

Pharmacokinetics

Oxymetazoline Hydrochloride enters tissues rapidly and local vasoconstriction is normally achieved within 5-10 minutes of intranasal administration. The full effect lasts for 5-6 hours and then gradually subsides over the next 6 hours. Plasma half-life is 5-8 days with 30% of any absorbed drug being excreted in the urine unchanged and 10% being excreted in the faeces.

Composition

Oxynex[®] 0.025% Nasal Drops: Each ml contains Oxymetazoline Hydrochloride BP 0.25 mg.

Oxynex[®] 0.05% Nasal Drops: Each ml contains Oxymetazoline Hydrochloride BP 0.5 mg.

Oxynex[®] Nasal Spray: Each bottle contains 200 metered doses of Oxymetazoline Hydrochloride BP. Each actuation delivers Oxymetazoline Hydrochloride BP 25 mcg.

Indications

Oxymetazoline Hydrochloride nasal spray is used to treat congestion associated with allergies, hay fever, sinus irritation, and the common cold.

Dosage & administration

2-3 sprays should be instilled into each nostril twice daily. The nasal spray can be used with the patient in the upright position. Sprays are unsuitable for very young children because of the small size of their nostril. It may be used in children over the age of 5 years. The treatment course should not exceed 3 to 5 days.

Contraindications

Oxymetazoline Hydrochloride is contraindicated in patients with known hypersensitivity to the drugs or any component in the formulation and in patients with known sensitivity to pharmacologic effect of adrenergic drugs.

Use in pregnancy & lactation

Lactation

It is not known whether Oxymetazoline Hydrochloride is distributed into milk.

Pregnancy

Safe use of Oxymetazoline Hydrochloride during

pregnancy has not been established. Oxymetazoline Hydrochloride nasal spray should be used during pregnancy only when instructed by a clinician.

Side effects

The following serious side effects stop using Oxymetazoline Hydrochloride nasal spray and seek emergency medical attention: an allergic reaction (difficulty breathing; closing of your throat; swelling of your lips, tongue, or face; or hives); seizures; unusual behavior or hallucinations; or an irregular or fast heartbeat.

Precautions

Excessive dosage and/or prolonged or too frequent use of Oxymetazoline Hydrochloride may irritate nasal mucosa and especially in children. Excessive dosage in children may cause profound CNS depression, shock like hypotension. Symptoms of Oxymetazoline Hydrochloride nasal overdose include extreme tiredness, sweating, dizziness.

Drug interactions

Oxymetazoline Hydrochloride interacts with high blood pressure drugs, antidepressants, cough-and-cold or allergy drugs.

Over dosage

Symptoms of Oxymetazoline Hydrochloride nasal overdose include extreme tiredness, sweating, dizziness, a slow heartbeat, and coma.

Storage

Store in a cool and dry place, protected from light.

Packaging

Oxynex[®] 0.025% Nasal Drops: Supplied in 10 ml bottle.

Oxynex[®] 0.05% Nasal Drops: Supplied in 10 ml bottle.

Oxynex[®] Nasal Spray: Each bottle contains 200 metered dose sprays.


Opsonin Pharma
Ideas for healthcare

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