

***THE***  
***FORCE***  
***AGAINST RESISTANCE***



**STAHA-5**

Minoxidil 5 mg Tablet

# STAIHA-5

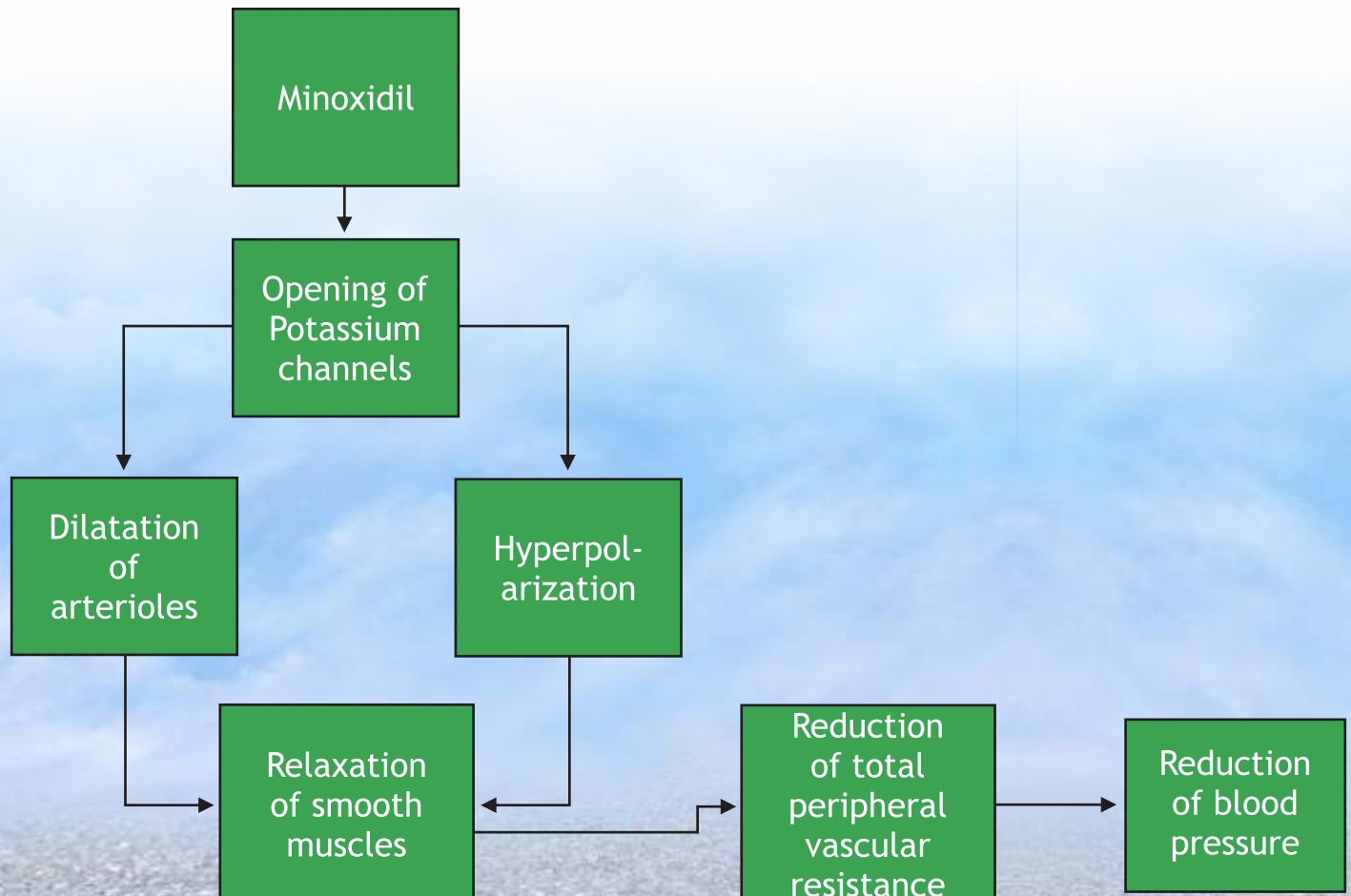
Minoxidil 5 mg Tablet

## Introduction :

- Minoxidil is a vasodilator that relaxes (widens) blood vessels and improves blood flow.
- Minoxidil is used to treat severely high blood pressure (hypertension) that is causing symptoms or damaging your vital organs.
- Minoxidil is usually given together with two other medicines to help prevent serious side effects.

## Mechanism of action :

- Minoxidil is a pro-drug activated by sulfation via the sulfotransferase.
- Minoxidil sulfate activates potassium channels, resulting in hyperpolarisation of vascular smooth muscle and relaxation of the blood vessel.
- This effect is called direct because it does not depend on the innervations of vascular smooth muscle and is not mediated by receptors that are acted on by classical transmitters and mediators.





## Clinical Study :

- Minoxidil is also useful in severe Hypertension when other hypotensive drugs fail to reduce high blood pressure.
- One study on Patients with severe hypertension was conducted which showed significant reduction in blood pressure.
- In the study, Forty-four patients with severe hypertension who were resistant to treatment with other conventional hypotensive drugs or could not tolerate the side effects were treated with minoxidil, a potent peripheral vasodilator.
- A beta-blocking drug and a diuretic were used routinely to control, respectively, the tachycardia and fluid retention caused by minoxidil.
- During treatment the outpatient supine blood pressure fell from a mean of 221/134 mm Hg to 162/98 mm Hg.
- Eleven patients required additional or alternative hypotensive agents before blood pressure was adequately controlled.
- Side effects were minor, although the invariable hirsuties caused by minoxidil was unacceptable to three women.
- In such patients minoxidil appears to be most effective.

## Reference :

1. THE JOURNAL OF CLINICAL HYPERTENSION VOL. VI NO. V MAY 2004
2. British Medical Journal, 1977, 2, 667-669

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## Indication :

STAHA is indicated only in the treatment of hypertension that is symptomatic or associated with target organ damage and is not manageable with maximum therapeutic doses of a diuretic plus two other antihypertensive drugs. Minoxidil reduced supine diastolic blood pressure by 20 mm Hg or to 90 mm Hg or less in approximately 75% of patients, most of whom had hypertension that could not be controlled by other drugs.

## Dosage & Administration :

**Patients over 12 years of age:** The recommended initial dosage of minoxidil tablets is 5 mg of minoxidil tablets given as a single daily dose. The effective dosage range is usually 10 to 40 mg per day. The maximum recommended dosage is 100 mg per day.

**Patients under 12 years of age:** The initial dosage is 0.2 mg/kg minoxidil tablets as a single daily dose. The dosage may be increased in 50 to 100% increments until optimum blood pressure control is achieved. The effective dosage range is usually 0.25 to 1 mg/kg/day. The maximum recommended dosage is 50 mg daily.

**Dose frequency:** The magnitude of within-day fluctuation of arterial pressure during therapy with minoxidil tablets is directly proportional to the extent of pressure reduction. If supine diastolic pressure has been reduced less than 30 mm Hg, the drug need be administered only once a day; if supine diastolic pressure has been reduced more than 30 mm Hg, the daily dosage should be divided into two equal parts.

## Presentation :

Staha-5 is available as a strip of 10 tablets.

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