



Trugain

Minoxidil Topical Solution

Composition

Trugain 5% Topical Solution: Trugain 5% Topical Solution contains Minoxidil USP at a concentration of 0.05 g Minoxidil per ml in a solution composed of Alcohol, Propylene glycol and Water.

Trugain 2% Topical Solution: Trugain 2% Topical Solution contains Minoxidil USP at a concentration of 0.02 g Minoxidil per ml in a solution composed of Alcohol, Propylene glycol and Water.

Pharmacology

Following topical application Minoxidil is poorly absorbed from normal intact skin, with an average of approximately 1.7% of the total applied dose ultimately reaching the systemic circulation. Minoxidil works in part by partially enlarging the hair follicles and reversing the miniaturization process. By enlarging miniaturized follicles, the growth phase of the hair cycle is prolonged, allowing the hair to become longer and thicker looking. Minoxidil also causes vasodilation of the microcirculation around the hair follicles which may stimulate hair growth. Following cessation of topical dosing of Minoxidil, approximately 95% of systemically absorbed Minoxidil is eliminated within four days. Minoxidil does not cross the blood brain barrier and are excreted principally in the urine.

Indications

Treatment of androgenic alopecia in males and females and stabilisation of hair loss in patients with androgenic alopecia, and also of alopecia areata.

Dosage and Administration

A dose of 1 ml by Dropper or 8-10 times Spray of **Trugain** should be applied twice per day to the scalp. This dose should be applied at the center of the affected area, once in the morning & once at night time. It should be allowed to remain on the scalp for about 4 hours before washing. The night time application should occur 2 to 4 hours before going to bed to allow drying. Apply **Trugain** when the hair and scalp are thoroughly dry. At least four months of twice daily application of **Trugain** are generally required before evidence of hair re-growth. Onset and degree may be variable among patients. Do not apply **Trugain** to any other area of the body.

Contraindications

Trugain Topical Solution is contraindicated in patients with a history of hypersensitivity to Minoxidil, or any of the other ingredients in the formulations such as propylene glycol or ethanol.

Use in Pregnancy & Lactation

There are no adequate and well-controlled studies in pregnant women. So it is wise to use **Trugain** according to your Doctors advice.

Use in Children & Elderly

Trugain should not be used by the patients under 18 years & above 65 years as safety & efficacy of Minoxidil topical solution has not been established for children & elderly.

Adverse Effects

Side effects are usually local and mild. Some people may experience a dry, itchy scalp and irritation.

Drug Interactions

There are currently no known drug interactions associated with oral medications and the use of **Trugain**.

Storage

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

Packaging

Trugain 5% Topical Solution: Each carton contains **Trugain** 5% Topical Solution in a 60 ml spray bottle, a dropper, an insert and a usage guideline.

Trugain 2% Topical Solution: Each carton contains **Trugain** 2% Topical Solution in a 60 ml spray bottle, a dropper, an insert and a usage guideline.

Manufactured by



Ziska Pharmaceuticals Ltd.
Kaliakoir, Gazipur, Bangladesh