

Minoxidil Oral Side Effects

== Medical uses == 00a94373b7 The most common cause is androgenetic alopecia, also known as male pattern or female pattern hair loss due to the effects of dihydrotestosterone (DHT) on the hair follicles. A variety of factors may lead to this condition such as hormonal effects, age, diet, autoimmunity, emotional stress, physical stress, drug effects, genetics, or infections. 00a94373b7 Pinacidil has been associated with development of hypertrichosis in 2 to 13% of patients. 00a94373b7 SarcKATP are composed of eight protein subunits (octamer). Four of these are members of the inward-rectifier potassium ion channel family Kir6.x (either Kir6.1 or Kir6.2), while the other four are sulfonylurea receptors (SUR1, SUR2A, and SUR2B). The Kir subunits have two transmembrane... 00a94373b7 KATP channels were first identified in cardiac myocytes by Akinori Noma in Japan. Glucose-regulated KATP channel activity was found in pancreatic beta cells by Frances Ashcroft at the University of Oxford. The closure of KATP channels leads to increased insulin secretion in beta cells and reduces glucagon secretion in alpha cells. 00a94373b7 == Discovery and structure == 00a94373b7 Chemical/generic names are listed first, with developmental code names, synonyms, and brand names in parentheses. The format of list items is "Name (Synonyms) - Route - Indication - Mechanism of Action [Reference]". 00a94373b7 == Signs and symptoms == 00a94373b7

Pinacidil "Minoxidil use in dermatology, side effects and recent patents". It reduces blood pressure and peripheral resistance and produces

fluid retention. Recent Pat Inflamm Allergy Drug Discov Pinacidil is a cyanoguanidine drug that opens ATP-sensitive potassium channels producing peripheral vasodilatation of arterioles. C, Melis L, Iorio A, Scali E, Calvieri S (May 2012) 00a94373b7

Diazoxide is used as a vasodilator in the treatment of acute hypertension or malignant hypertension... 00a94373b7

Alfatradiol comparing alfatradiol to minoxidil, another topical hair loss treatment, found the latter to be more effective. In contrast to minoxidil, alfatradiol did not 00a94373b7

Diazoxide was approved for medical use in the United States in 1973. It is on the World Health Organization's List of Essential Medicines. It is available as a generic medication. 00a94373b7 Diazoxide, used as the salt diazoxide choline, and sold under the brand name Vykate XR, is used for the treatment of hyperphagia in people with Prader-Willi syndrome (PWS). It was approved for this use in the United States in March 2025. 00a94373b7

ATP-sensitive potassium channel These latter classes of KATP channels can be classified as being either sarcolemmal ("sarcKATP"), mitochondrial ("mitoKATP"), or nuclear ("nucKATP"). x-type subunits and sulfonylurea receptor (SUR) subunits, along with additional components. "Minoxidil use in dermatology, side effects and recent patents". ATP-sensitive potassium channels are composed of Kir6. KATP channels are widely distributed in plasma membranes; however some may also be found on subcellular membranes. Recent Pat Inflamm Allergy Drug Discov An ATP-sensitive potassium channel (or KATP channel) is a type of potassium channel that is gated by intracellular nucleotides, ATP and ADP. C, Melis L, Iorio A, Scali E, Calvieri S (May 2012) 00a94373b7

Drug of last resort the US. Minoxidil — first-line, low dose topical drug for hair loss, can also be used orally at a high dose for hypertension; oral minoxidil has been 00a94373b7

Common side effects include high blood sugar, fluid retention, low blood platelets, a fast heart rate, increased hair growth, and nausea. Other severe side effects include pulmonary hypertension and heart failure. It is chemically similar to thiazide diuretics. It works by decreasing insulin release from the pancreas and increasing glucose release by the liver. 00a94373b7

Diazoxide C, Melis L, Iorio A, Scali E, Calvieri S (May 2012). "Minoxidil use in dermatology, side effects and recent patents". Recent Pat Inflamm Allergy Drug Discov Diazoxide, sold under the brand name Proglycem among others, is a medication used to treat low blood sugar due to a number of specific causes. It is taken by mouth. This includes islet cell tumors that cannot be removed and leucine sensitivity. It can also be used in refractory cases of sulfonylurea toxicity 00a94373b7

This list was last comprehensively updated in July 2025. It is likely to become outdated with time. 00a94373b7

Ketoconazole The side effects of ketoconazole are sometimes harnessed in. of women found comparable regrowth to 2% Minoxidil, albeit with a longer onset of action 00a94373b7

Hair loss and any hair susceptible to being lost, while Minoxidil was used, will be lost. Most frequent side effects are mild scalp irritation, allergic contact dermatitis 00a94373b7

== Under development == 00a94373b7 Patients will notice either focal or diffuse loss of hair. This may occur due to thinning... 00a94373b7 Side

effects of oral minoxidil may include low blood pressure, water retention and edema, salt retention, rapid heartbeat, dizziness, lightheadedness, headaches, excessive hair growth, and temporary hair shedding. Adverse effects of topical minoxidil include skin irritation, itching, dandruff, and temporary hair shedding. Rare but serious adverse effects of oral minoxidil include pericardial effusion, pleural effusion, cardiac... 00a94373b7 == Synthesis == 00a94373b7

Minoxidil Oral minoxidil is used at high doses to treat high blood pressure and at low doses to treat hair loss, while topical minoxidil is used exclusively for hair loss and related indications. It may also be used off-label to promote beard growth and treat nail problems. The drug promotes hair growth, but its effects are fully reversible and it does not slow or prevent hair loss. It is available as a generic medication by prescription in oral tablet form and over-the-counter as a topical liquid or foam. Side effects of oral minoxidil may include Minoxidil, sold under the brand names Loniten and Rogaine among others, is a medication used for the treatment of high blood pressure and hair loss. Extended-release oral minoxidil and sublingual minoxidil formulations for hair loss are also being studied and developed. Extended-release oral minoxidil and sublingual minoxidil formulations for hair loss are also being studied and developed 00a94373b7

Non-scarring hair loss Depending on the cause, treatment options include: topical minoxidil, oral finasteride, anti-fungal Non scarring hair loss, also known as noncicatricial alopecia, is the loss of hair without any scarring being present. Hair loss may be spread throughout the scalp (diffuse) or at certain spots (focal). physical stress, drug effects, genetics, or infections. The loss may be sudden or gradual with accompanying stress. There is typically little inflammation and irritation, but hair loss is

significant. This is in contrast to scarring hair loss during which hair follicles are replaced with scar tissue as a result of inflammation 00a94373b7

Depending on the cause, treatment options include: topical minoxidil, oral finasteride, anti-fungal medications, steroids, hair transplantation, or platelet rich plasma (PRP) therapy. Alternatives for total hair loss include the use of hairpieces or hair fibers. 00a94373b7

List of investigational hair loss drugs SHR-0302) – oral – alopecia areata – Janus kinase 1 inhibitor AB-103 – topical – alopecia – minoxidil sulfotransferase stimulant (adjunct to minoxidil) Clascoterone This is a list of investigational hair loss drugs, or drugs that are currently under development for clinical use in the treatment of different forms of alopecia (hair loss), such as androgenetic alopecia (pattern hair loss) and alopecia areata (spot baldness), but are not yet approved 00a94373b7

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