

# Hair Loss Medication in Detail

## Finasteride

Generically named Propecia and also Proscar was developed to treat benign prostatic hyperplasia as a DHT inhibitor. It was then found to be successful in treating mild to moderate male pattern hair loss on the vertex (top of head) and anterior mid-scalp area (middle front of head) in **men only and should not be used by women or children**. There is not sufficient evidence that PROPECIA works for receding hairlines at the temples.

### Side Effects were uncommon and did not affect most men

Although rare a small number of men had sexual side effects, with each occurring in less than 2% of men. These included a loss of libido, difficulty in achieving an erection, and a decrease in the amount of semen. These side effects went away in men who stopped taking Finestrade. In addition, these side effects decreased to 0.3% of men or less by the fifth year of treatment.

### Additional Side Effects

- 1) Can falsify a PSA test (prostate- specific antigen) used to detect prostate cancer.
- 2) Allergic reaction symptoms in the form of; rash, hives, swelling of the lips and face, breast tenderness and enlargement and testicular pain.

Any side effects should be reported to your physician immediately.

### Results

It generally takes up to 3 months to see any hair growth. Once you stop taking Propecia the hair loss will once again progress and return to its original state within 12 months.

## Dutasteride

AVODART reduces serum DHT in a rapid and consistent manner within 1 to 2 weeks. In clinical studies, after 1 and 2 weeks of daily dosing with AVODART 0.5 mg, median serum DHT concentrations were reduced by 85% and 90%, respectively. In patients with BPH treated with AVODART 0.5 mg/day for 2 years, the median decrease in serum DHT was 94% at 1 year and 93% at 2 years.

### Caution

#### Exposure of Women-Risk to Male Fetus

Physicians should also inform patients that there may be a decrease in ejaculate volume in some men taking AVODART. This effect does not appear to interfere with normal sexual function. In clinical trials, the incidence of impotence and decreased libido, considered by investigators to be drug-related, was 5% with AVODART and 3% with placebo.

### SIDE EFFECTS

Clinical trials showed that it was generally well tolerated. Most side effects were mild or moderate and generally went away while on treatment in both the Avodart and placebo groups.

Drug-related side effects during the first six months were as follows: impotence (4.7 percent vs. 1.7 percent for placebo), decreased libido (3 percent vs. 1.4 percent), breast tenderness and breast enlargement (gynecomastia; 0.5 percent vs. 0.2 percent) and ejaculation disorders (1.4 percent vs. 0.5 percent).

The incidence of most drug-related sexual side effects decreased with duration of treatment. The incidence of drug-related breast tenderness and breast enlargement remained constant over the treatment period. Ejaculate volume may be decreased in some patients with continued treatment. This decrease did not appear to interfere with normal sexual function.

## Rogaine (minoxidil)

Minoxidil was initially developed to be taken orally for the treatment of high blood pressure. A side effect from taking the medication was hair growth at which time the drug was changed to a topical application. The action of Rogaine is that of a vasodilator which tends to increase circulation in the tissue it is applied to. With hair loss as we know there is a miniaturization of the hair follicles partly due to the action DHT and also due to atrophy of the vascular beds providing nutrition to the follicle. With gradual starving of the follicle the hair produced undergoes miniaturization until ultimately the hair just does not regrow. Rogaine's action as a vasodilator improves the circulation and nutrition of the hair follicle and thus strengthens existing hair. The resultant hair growth while using Rogaine will reverse once treatment is stopped and one again the hair follicle will undergo miniaturization and will cease to grow.

Use after Transplant – Many transplant surgeons recommend using Rogaine immediately after surgery in order to assist revascularizing the transplanted follicles. This vascularization will also help reduce the amount of shock hair loss from the follicles which exist around the hair transplant site. Recommended usage is up to the physician.

### Side Effects

- rapid heart beat
- chest pain
- faintness (light-headedness)
- dizziness
- sudden unexplained weight gain
- water retention
- swelling in the hands or feet
- scalp irritation or redness
- unwanted facial hair growth (especially in women)

## Natural Hair Loss Products

Listed in the table below is a comparison of the four most popular natural hair loss products currently be marketed. These products are manufactured from natural occurring ingredients and thereby resulting in a reduced possibility of developing any side effects. In fact the majority of these products can be utilized by men and women and also offer a customer satisfaction guarantee.

	<b>Revivogen</b>	<b>NewHair Biofactors</b>	<b>Proguard</b>	<b>Procerin</b>
<b>Trade Name</b>	Revivogen	<b>Nisim NewHair Biofactors</b>	<b>Proguard</b>	<b>Procerin</b>
<b>Manufacturer</b>	Advanced Skin and Hair Inc	Sunset International Distribution, LLC	Proactive Pharmaceuticals Ltd.	Speedwinds Nutrition Inc
<b>History</b>	Developed by a dermatologist as a natural alternative to medical management of hair loss without side effect.			
<b>Ingredients</b>	<b>Gamma Linolenic acid (GLA), Alpha</b>	<b>Saw palmetto, amino acids</b>	<b>Saw palmetto, Pygeum</b>	<b>Saw Palmetto Berries, Gotu Kola,</b>

	<p><b>Linolenic acid (ALA), Linoleic Acid, Oleic Acid</b> are fatty acids proven to inhibit 5-Alpha Reductase</p> <p>The combination of <b>Azaleic acid, Vitamin B6 and Zinc</b> are also strong Type I and Type II 5-Alpha Reductase inhibitors.</p> <p><b>Saw Palmetto</b> know for its natural ability to inhibit DHT and block the androgen receptors which are found on the hair follicles</p> <p><b>Beta-Sitosterol and Procyanidin Oligomers</b> Procyanidin Oligomers possess growth stimulation activity toward hair epithelial cells in vitro and stimulate anagen induction in hair follicles in vivo</p>	(cystine, cysteine and methionine), <b>B-vitamins</b> (pantothenic acid, inositol and biotin) and natural vasodilators	<b>Africanum Extract, Urtica Dioica Extract, Green Tea Extract, OptiZinc, Pyridoxine Hydrochloride (Vitamin B6), Magnesium Sterate</b>	<p><b>Nettles, Magnesium, Zinc Sulfate, Siberian Ginseng, Vitamin B-6, Pumpkin Seed Meal, CJ-11 Factor, CJ-9 Factor, and Mura Puma Root</b></p> <p><u>Procerin</u> is most effective for those men whose hair is still growing, but have <u>thinning hair</u> or a receding hairline. Procerin's effectiveness for men whose hair is no longer in a growth phase is limited to retaining existing hair.</p>
<b>Action</b>	Inhibit formation of 5-Alpha Reductase, inhibits DHT formation. Stimulates follicular epithelial cell growth similar to the action of minoxidil	Inhibits the formation of DHT thereby reducing hair loss and also stimulates new hair growth	Inhibit of the enzyme 5 alpha reductase in addition helps inhibit the binding of DHT to receptor on the hair follicles	Blocks DHT without reacting with testosterone (as some prescription medications do). This reduces, and can even halt, the further loss of hair from the scalp, without causing the sexual side effects of prescription drugs like finasteride (Propecia).
<b>Alternative to</b>	Finestrade, Dutasteride, Minoxidil		Finestrade, Dutasteride, Minoxidil	
<b>Dosage</b>	Topical in the form of shampoo and conditioner		Orally 2 tablets once per day	Orally 1 tablet daily
<b>Men / Women</b>	Men and Women	Men and Women	Men only	Men only
<b>Duration for Result</b>	3 – 6 months		3 – 6 months	2 – 3 months
<b>Cost</b>	\$20 - \$30 /month		\$24.00 / month	\$25 - \$30 /month
<b>More Info</b>	<a href="http://www.revivogen.com">www.revivogen.com</a>	<a href="http://www.herbalsensations.com">www.herbalsensations.com</a>	<a href="http://www.folica.com">www.folica.com</a>	<a href="http://www.procerin.com">www.procerin.com</a>