

Herbal Alternatives to Propecia®

Background

For years in the medical literature there have been convincing reports of the efficacy of certain compounds discovered in Germany several years ago in treating hair loss. These compounds appear to work either by blocking the 5-alpha reductase enzyme that converts testosterone to DHT (which is responsible for male and female pattern baldness) or by blocking androgen receptor binding sites where DHT binds to the hair follicle. DHT interrupts the normal function of the hair follicles in the scalp causing partial to complete destruction of the hair follicle.

The first compound used was an extract from the red saw palmetto berries of a plant known as *Serenoa Repens*. Saw palmetto (or Permixon as it is known in Europe) has been clinically shown to block 5-alpha reductase and the binding of DHT to androgen receptors. Many studies have demonstrated saw palmetto's efficacy in treating benign prostatic hypertrophy similarly to Finasteride. Saw palmetto is both a 5-alpha reductase inhibitor and also blocks a large percentage of the uptake of DHT at the tissue receptor sites including; the prostate and hair follicles. The berry extract contains an oil with several fatty acids and their esters including capric, caprylic, caproic, lauric, oleic and palmitic acid. Saw palmetto also contains high amounts of phytosterols (beta-sitosterol, lupeol, lupenone) which many believe are the reason for the anti-androgenic activity of saw palmetto. Scientific Research and our clinical experience has also shown the potent DHT fighting ability of pygeum bark, green tea, stinging nettle, and ho shu wu.

The authoritative book "Green Pharmacy" by James A. Duke, Ph.D. lists saw palmetto as its first choice for hair loss treatment. Saw has also been shown to reduce inflammation, a common factor seen in tissue involved in Androgenic Alopecia. For the last 5 years thousands of people in our clinics in the US and Europe have used our herbal products and found their results similar to Propecia^R.

The first complex created at XTC contained 500 mg of pure pharmaceutical grade saw palmetto. Now there are two new generations of anti androgenic products.

Enhanced Anti Androgenic Pill (2nd Generation)

There is still 500 mg of pharmaceutical grade saw palmetto from the nectar of the berry; however, this saw palmetto is now ground even finer for better absorption. In addition, three new ingredients containing anti-androgenetic, anti-oxidant, and anti-inflammatory properties have been added: grape seed extract, green tea leaf, and fo ti root (ho shu wu). These reasons are listed below:

Grape Seed Extract: Procyanidin oligomers are naturally derived ingredients from grape seeds that have been shown to stimulate hair growth similarly to Minoxidil (Rogaine®). Recent studies by Japanese scientists have shown that grape seed extracts possess growth stimulation activity toward hair cells. These studies suggest that the active components of grape seeds inhibit the destruction of collagen structures leading to greater overall health of the tiny capillaries that supply energy to the body's tissues including hair.

Green tea: The catechins are the active ingredients in green tea leaves which have been found to have anti-androgen properties. Other health benefits of green tea include; reducing the risk of cancer, lowering blood cholesterol, reducing the risk of high blood pressure and high blood sugar, and helping to prevent cavities and bad breath.

Fo ti Root or Ho shu wu: This is a Chinese herb derived from the dried roots of a Japanese evergreen called *Polygonum multiflorum*, and is the most popular herbal remedy for gray hair and hair loss in China. In fact, the name ho shu wu literally means "a head full of black hair" in Chinese. Eastern medical theories believe that your hair's condition is an indication of your body's internal system, and weaknesses in a person's body tend to manifest into symptoms such as hair loss and premature gray hair. Although the actual biochemical mechanism of this root has yet to be determined, modern research studies, both animal and human, have proven that the root may contain compounds which lower cholesterol levels, decrease hardening of the arteries, increase immune function, increase red blood cell formation, and contain antibacterial action.

Now a 3rd Generation of Anti androgenic pill has been developed.

XTC XTREME DHT INHIBITOR™ (3rd Generation)



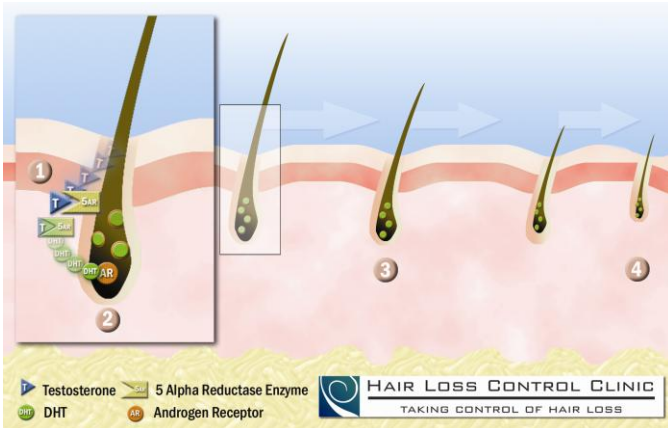
3rd Generation Herbal Alternative to Propecia®

- * **Blocks DHT from Attacking/Shrinking your Hair**
- * **Provides all the Essential Vitamins, Minerals & Nutraceuticals for Complete Hair Health**
- * **Safe and Effective for Both Men and Women**

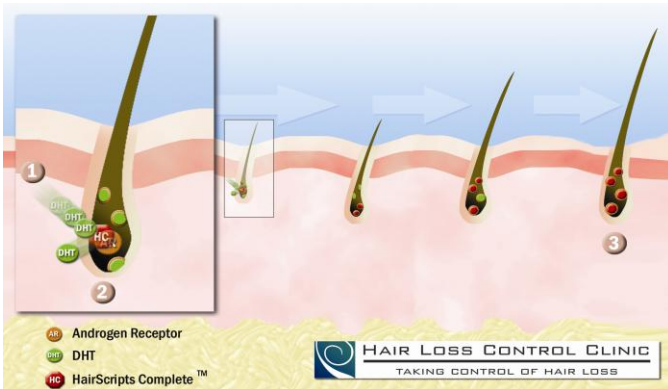
XTC XTREME DHT INHIBITOR™ was clinically developed to help grow your hair stronger, fuller, faster and to arrest pattern hair loss in both men and women of all ethnicities. **Clinically and Laboratory Proven, Physician Recommended XTC XTREME DHT INHIBITOR™** fights DHT (which attacks your hair and causes most hair loss in men and women) with an unsurpassed formulation of anti-androgenetic (DHT blocking) agents; consisting of: special saw palmetto berry extract, *proprietary phytosterol blend* including beta sitosterol and other key sterols, pygeum bark, green tea, stinging nettle, and ho shu wu. **XTC XTREME DHT INHIBITOR™** provides clinically proven hair growth vitamins, minerals, and nutraceuticals and has no side effects. This advanced herbal alternative to Propecia^(R) blocks significantly more DHT than other products and is so unique that it is patented.

Item	XTC XTREME DHT INHIBITOR™	Finasteride / Propecia^R
Blocks DHT	YES	YES
How does it work?	Blocks androgen receptors so DHT doesn't bind to hair follicles	Stops 5 alpha reductase from converting Testosterone to DHT
Cost	\$ 1.00 to 1.66 a day	\$ 2-4 a day
Side Effects	No side effects	Some sexual side effects. May increase Aggressive cancer tumors**
Safe for both Men and Women	YES	No - only for men
Hair Nutrition	Complete Hair Nutrition	None
Viviscal's™ Active Ingredients	YES	NO
Proven in Numerous US studies*	YES	YES
Proven in Numerous European studies*	YES	YES

The graphic and text below show you how – **XTC XTREME DHT INHIBITOR™** blocks DHT; helping to slow hair loss and promoting the conditions to allow better hair growth.



1. Testosterone is converted to Dihydrotestosterone (DHT) by 5 Alpha Reductase (5AR) Enzyme.
2. DHT attaches to the androgen receptors on the hair follicle.
3. DHT causes increased hair loss; gradually miniaturizing the hair follicle.
4. This miniaturized hair follicle eventually dies and hair loss occurs.



1. **XTC XTREME DHT INHIBITOR™** harmlessly binds to Androgen Receptors on your hair and stops DHT from binding to hair follicles and shrinking/killing your hair.
2. With less DHT binding to your Androgen Receptors, your hair starts to grow and resumes the normal cycle of hair growth.
3. As less and less DHT binds to your hair, it has the chance to grow into a strong healthy hair. Small hairs can grow bigger and your dormant hair can start to grow again.

1. **15 Years in the making!** This product was developed by our team of physicians and medical personnel consisting of a trichologist, a medical technologist and nurse, as well as, one of the World's Largest Nutritional Companies and a large International Hair Loss and Hair Care Manufacturer. In addition, this product is based on hundreds of national and international clinical studies and thousands of our patients in the USA and Europe. Working with all this information we blended one product that has the all the best DHT fighting ingredients and the best essential vitamins, minerals and nutraceuticals for hair health. We then added the key ingredients of a popular hair nutritional which has been proven in numerous studies. **No other product comes even close!**
2. **Special Saw palmetto berry extract and proprietary phytosterol blend** - Saw palmetto has been proven to block DHT and our product contains the highest level of sterols available in any tablet! 500 MG of saw palmetto berry extract is used in our product. Most other products provide only 200 mg of some kind of saw palmetto. Most products don't even mention how much sterols they use (cheaper saw

palmetto berry extract is sold with 1/5th the sterols of our product). This DHT fighting blend makes up a large portion on our **690 MG** proprietary blend of which beta sistosterol is the largest ingredient. The blend also includes the other DHT fighting sterols: campesterol, sitostanol, and campesteranol. **Sterols/phytosterol have been shown to be the reason Saw palmetto blocks DHT and works as well as it does.**

3. **Other potent DHT Fighters** including pygeum bark, green tea, stinging nettle, and ho shu wu. All have been clinically shown to help fight DHT and work in synergy. Ho Shu Wu also know as fo ti root or Shen Min has been used in China for thousands of years.
4. **Marine Concentrate** (Shark cartilage and Glucosamine sulfate and Silica) This Viviscal™ like blend has been shown in several Norwegian studies to help stop loss and regrow hair, especially in conjunction with Laser treatments. **People with shellfish allergies should not take this product and take our Herbal Propecia.**
5. **Hair Scripts Complete Hair Nutritional** - Complete provides all the essential vitamins, minerals & nutraceuticals for complete hair health, including: **biotin, folate, pantothenic acid, sulfur, zinc, iodine, selenium, copper, manganese, and more.**
6. **PATENTED, SAFE and ensured to be FDA compliant** This product is so unique it's patented and has other patents pending. By working with one of the largest nutritional companies, all FDA regulations for labeling have been met and this further assures the safety and quality of this product. To fully insure the quality of our product, we work only with a company that meets the highest industry standards, namely: achieving an "A Rating" by the National Nutritional Foods Association (NNFA), and Kosher certification by all major authorities. The company is a fully compliant GMP manufacturing and packaging facility and is duly licensed and regularly inspected by State and Federal health authorities.

Supplement Facts		
Serving Size: 2 tablets / Servings Per Container: 90		
	Amount Per Serving	%DV
Vitamin B6 (as pyridoxine HCl)	10 mg	500%
Folate (as folic acid)	400 mcg	100%
Biotin	300 mcg	100%
Pantothenic acid (as D-calcium pantothenate)	100 mg	1,000%
Iodine (from kelp)	50 mcg	33%
Zinc (as zinc citrate)	15 mg	100%
Selenium (as selenomethionine)	70 mcg	100%
Copper (as copper gluconate)	2 mg	100%
Manganese (as manganese gluconate)	2 mg	100%
Saw palmetto berry extract	500 mg	*
Marine Concentrate (glucosamine sulfate & shark cartilage)	300 mg	*
Proprietary Blend:	690 mg	*
Methylsulfonylmethane, phytosterol blend: (beta-sitosterol, campesterol, sitostanol, campestanol), ho sho wu (fo ti root), green tea leaf extract, pygeum bark extract, stinging nettle leaf extract, silica, and grape seed extract		

*Daily value (DV) not established.

Other ingredients: Dicalcium phosphate, microcrystalline cellulose, croscarmellose sodium, stearic acid, magnesium stearate, and pharmaceutical glaze.

Protected by U.S. Patent # 5,972,345 and patents pending.

Do not take this product if you are allergic to shellfish.
Distributed by: HLCC Latham, NY

Q & A

What causes hair loss?

Research has shown that DHT causes most hair loss. It is a derivative of the hormone testosterone and it eventually strangles the hair follicle in genetically predisposed individuals.

How do these products work?

They work by blocking DHT from binding to receptor sites. XTC has formulated these complexes based on extensive clinical studies, which show that certain herbal agents have potent anti-androgenic properties.

How soon do these Herbal Alternatives to Propecia® work?

Hair loss is a slow process and so is recycling of hair. Most people see results in 4-6 months; however, some may see results in 2-3 months. Sometimes women see results sooner than men.

Are there side effects or drug interactions?

With the enhanced AA pill and Complete, there are no known drug interactions; however, you should not take the Complete product if you are allergic to shellfish.

Can I take these products with Propecia®/ Minoxidil?

Yes, especially the Complete product. Since the herbal based products block receptor sites and Propecia® blocks 5-alpha Reductase solely, the two products work together. Also, Complete provides the nutrition that your hair needs. Minoxidil and Complete or Enhanced AA work well together as Minoxidil works by increasing blood flow.

Which product is better- Enhanced AA or Complete?

Complete is by far the better choice as it has all the ingredients of the Enhanced AA and more DHT blockers and total hair nutrition. The only reason not to take the Complete product is if you have an allergy to shellfish.

What is the overall best recommendation for hair loss treatments?

1. Start with a scalp cleanser to clear scalp of sebum (Dexpanthenol Scalp Therapy)
2. Sodium Laurel and DEA free shampoo (Scalp Scripts)
3. Complete
4. Minoxidil in carrier to neutralize alcohol and allow for better penetration
5. Scalp Nutrition (Coenzyme)

What is my next step?

Call Xanadu Hair-Loss & Scalp Clinic for a consultation and start on a product for less than a \$ 9 day or a comprehensive supervised program for a little as \$12.00 per day. For the cost of a cup of premium coffee, and happy meal and/or 1/2 pack to 1 pack of cigarettes per day- treat yourself, your hair and self image!