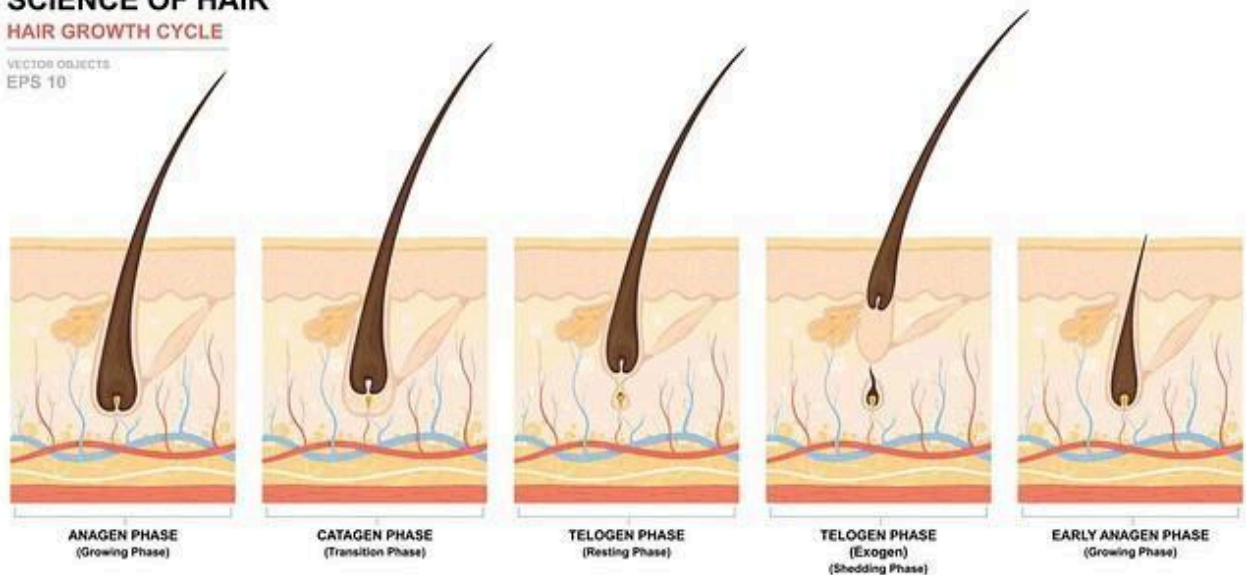


Ultimate Hair Effect Solution

SCIENCE OF HAIR

HAIR GROWTH CYCLE

VECTOR OBJECTS
EPS 10



The purpose of this field is to help resolve any type of hair loss problem with a comprehensive and effective solution helping renew, regenerate and thicken hair on the scalp as soon as possible.

It targets the issue from multiple angles, is 100% safe and designed to be 'the final solution'.

The field works on resolving the following hair loss issues:

- 1- Alopecia Areata (autoimmune disease that impacts hair follicles)
- 2- Androgenic alopecia (male-pattern baldness and female-pattern baldness)
- 3- Telogen effluvium (temporary hair loss due to a stressor)
- 4- Receding hairline
- 5- Gradual thinning of hair on the top of head (crown)
- 6- Patchy bald spots

Countering Scalp DHT

Removing DHT from the scalp. Dutasteride and Finasteride both block/reduce DHT buildup in the scalp but they come with a host of issues. We bypass such issues with this field while covering all the benefits/effects.

The following natural compounds are programmed into this field:

1- **Lycopene** can help reduce the effects of DHT in the scalp. Lycopene is found in abundance in guavas, beetroots, carrots, watermelon, grapefruit, papaya, red bell peppers, persimmon, asparagus, red cabbage, mangos, and tomatoes.

Most purple, reddish, or orange fresh produce has lycopene. This is why it's important to 'eat the rainbow. Consuming this food regularly can help block DHT and slow or even prevent male pattern balding. This field will **safely target lycopene ONLY to the scalp** of the field user.

2- **Lysine** helps block DHT naturally. Something that can assist in restoring your hair to its former glory. Lysine can be found in flax seeds, spirulina, fenugreek, cheese, red meat, poultry, fish, eggs, soybeans, green tea, and legumes like soybeans, peas, peanuts, and lentils. This field will **safely target lysine to go ONLY to the scalp** of the field user.

<https://manmatters.com/blog/dht-blockers-and-food/>

<https://www.mynoophoric.com/blogs/articles/l-lysine-for-hair-growth-the-best-supplement-for-faster-results>

RU58841

The field will send **RU58841 ONLY to the scalp safely and effectively**.

RU58841 competitively binds to the receptors of DHT. So, it actually blocks DHT from attaching itself to the receptors. It does not reduce the production of DHT. As a result, the systemic side effects that occur due to lowered production of DHT are not seen, for example, sexual side effects.

Just like finasteride (but minus the side effects), the effects of RU58841 are as follows:

- It inhibits the hair-thinning effects of DHT (dihydrotestosterone)
- It increases the percentage of hair growth in the anagen phase
- It improves hair density and diameter

It is specifically designed as a topical treatment.

<https://www.hairlosstalk.com/news/treatments/ru58841/>

<https://muscleandbrawn.com/peptides/ru58841/>

Automated Dermaroller workout

A safe and automated morphic workout of the popular home method to help hair growth by increasing blood flow to the scalp plus boosting growth factors.

<https://www.medicalnewstoday.com/articles/dermaroller-for-hair>

3AHSD Increase

Scientists have identified since some time that we have 3AHSD in our muscular structure and it completely and instantly neutralizes DHT on the spot. (This is why DHT has no real muscle building effects btw. It can't exert its effects on our muscles. DHT based steroids are NOT DHT! They are altered to bypass 3AHSD! It's a different world.)

3AHSD is basically the biggest enemy of DHT. It is the DHT killer.

We also have 3AHSD in our scalp. But these levels decline for some with age. The more it declines, the more DHT can exert its negative effects in our scalp, suffocating and damaging hair follicles.

Removing or blocking DHT helps, but it can never be as effective as raising back 3AHSD in the scalp to optimally high levels! 3AHD is the ultimate enemy of DHT and DHT stands no chance against it. In the scalp 3AHD converts DHT into something totally benign. We need 3AHSD there. This works on raising 3AHSD levels in the scalp to optimally high levels.

SCUBE3

This increases **SCUBE3** in the scalp to optimally high levels as well. SCUBE3 has recently been discovered and come to be known as the 'hair signaling molecule' in dermal papilla. Increasing its expression has shown very positive results for hair growth in studies.

Stem Cells For Hair

The field is designed to restore and rejuvenate hair by targeting pluripotent stem cells to scalp tissue, scalp bone , scalp muscles, scalp blood vessels and hair follicles.

These stem cells are also programmed to differentiate into dermal papilla cells and hair follicles. Furthermore, any scar tissue in the scalp is removed via apoptosis with simultaneous regeneration of those areas. Restoration of melanin pigment is done to restore hair color as well.

Tesla Violet Ray

Violet ray treatment to scalp, shoulder blade, spine and belly button. This was recommended by famous psychic Edgar Cayce.

<http://msfullhair.com/edgar-cayce-hair-loss-hair-regrowth-treatment/>

Epigenetics (Genes)

There are three major “gene modifiers” that have to be **increased as much as possible to grow hair** in the “anagen” phase.

These **three** are **DNMT1 enzyme**, the **Jarid2 protein**, and finally another **enzyme called Dicer**. These three have to be **extremely high** in the **anagen** phase to grow hair.

The nRNA gene modifier named **miRNA-22** has to be **decreased** to grow hair in the anagen phase. The gene modifier **beta-catenin** has to be **increased** as well to successfully grow hair for people.

This field will make the entire scalp **turn on and maintain the anagen phase** perpetually.

<https://www.learnskin.com/articles/genes-that-control-hair-growth-how-can-they-be-changed>

“One major way stem cells turn into hair follicle cells is through DNA methylation by an enzyme known as **DNMT1**. **DNMT1** is required to keep the hair follicle in the growth phase by turning off genes through methylation. Stem cells have special proteins called **polycomb groups (PcGs)**, which determine the specific cell type a stem cell will become, like a hair follicle cell. A protein called **Jarid2** is necessary for one of the PcGs to function.

If we can find things in our environment that increase our DNMT1 enzyme or increase Jarid2 in our hair cells, then we may be able to find a way to keep our hair growing. **Catagen** (Regressing via nRNAs) is the shrinking of the hair follicle after the initial growth phase. The progression from growing to regressing includes a significant increase in a specific nRNA named **miRNA-22**. Noncoding RNAs are not all bad. **Dicer, an enzyme that makes nRNAs**, was found to be essential for normal hair follicle development and growth. Dicer creates specific nRNAs that are important for maintaining anagen. When **Dicer** is no longer present, the hair follicle regresses. **We need to find things that either decrease miRNA-22 or increase Dicer.**

Telogen, like catagen, pushes the hair closer to its shedding phase. It is no longer growing, just resting, waiting for its day to fall out in the exogen phase. We could prevent telogen by finding ways to decrease the unique PcG proteins that turn off anagen. If our hair has already made it to telogen, we may be able to keep it there and stop it from shedding, creating fuller looking hair. To do this we need to find factors that could keep low levels of or simply decrease beta-catenin to avoid moving into exogen and shedding our hair.”

<https://www.learnskin.com/articles/genes-that-control-hair-growth-how-can-they-be-changed>

Table 1. Genes that Control Hair Growth in the Hair Follicle

Gene modifiers	Anagen (Growth)	Catagen (Regressing)	Telogen (Resting)	Exogen (Shedding)
DNMT1	High	Low	Low	Low
Jarid2	High	Low	Low	Low
miRNA-22	Low	High	High	High
<i>Dicer</i>	High	Low	Low	Low
Beta-catenin	High	Low	Low	High

Restoring the expression of GAS6 for hair growth

<https://www.timesnownews.com/health/article/baldness-cure-on-the-way-harvard-study-on-hair-growth-protein-gas6-stress-cortisol-permanent-fix-hfsc/827613>

<https://www.nature.com/articles/s41586-021-03417-2>

<https://www.sciencedaily.com/releases/2021/03/210331143023.htm>

Derma Exosomes containing miR-218-5p

Dermal papilla (DP) cells support hair growth and regulate the hair cycle. DP cells can partially restore their capacity to promote hair regrowth after being subjected to spheroid culture. In this study, results revealed that DP spheroids are effective at inducing the progression of the hair follicle cycle from telogen to anagen compared with just DP cell or minoxidil treatment. We demonstrated that miR-218-5p was notably up-regulated in DP spheroid-derived exosomes.

<https://www.science.org/doi/10.1126/sciadv.aba1685>

Adipose Precursor Cells

2011 study at Yale University, the researchers found out that when hair dies, the thickness of the fat layer inside the scalp decreases / shrinks. They also found that when hair grows again, adipose precursor cells, a specific stem cell responsible for new fat cell creation was needed for regenerating hair in mice. This field will create the necessary amounts of adipose precursor cells to fill the entire the scalp with hair in the anagen phase.

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4379938/>

<https://sciencedebate.com/science-blog/hair-growth-signal-dictated-fat-cells-hope-bald>

Minerals

Analysis of hair has revealed a composition of **iron, oxygen, hydrogen, nitrogen and sulphur**. Thus, an adequate supply of blood containing these minerals is essential for hair growth during anagen. Anagen is associated with a rearrangement of skin vasculature, an increase in skin perfusion, and angiogenesis.

This field will send **oxygen, hydrogen, nitrogen and sulphur ONLY to the scalp to avoid issues**. Note: Iron supplementation in men is potentially dangerous, so we will **not** use iron here.

The field will also send the **256 hz** frequency which is the **sulphur frequency ONLY** to the scalp.

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8808739/>

<http://www.klangakademiestimmgabeln.de/bioelemente-mineralien>

Crude unrefined Oil

This field will send the energy signature and morpic equivalent of pure unrefined crude oil. It was used in over a century ago to cure baldness and it worked extremely well. This remedy was lost with time. Crude oil improves the circulation of the scalp dramatically, so that is why it works so well. The drawback with the crude oil shampoos on the market is the strong scent and availability. This field will send the energy signature of crude unrefined oil to **ONLY** the scalp safely and effectively.

<https://cayce.com/health-information/edgar-cayce-hair-loss-treatment/>

<https://cayce.com/health-solutions/edgar-cayce-hair-loss-solution/>

Natural ingredients

Analysis of hair has revealed a composition of iron, oxygen, hydrogen, nitrogen and sulphur. Thus, an adequate supply of blood containing these minerals is essential for hair growth during anagen. Anagen is associated with a rearrangement of skin vasculature, an increase in skin perfusion, and angiogenesis¹⁰⁵. Various vitamins and minerals are responsible for the modulation of angiogenesis during anagen and therefore are important. In addition, multiple vitamins, minerals, and herbal drugs stimulate hair growth or prevent hair loss by various mechanisms (Table 1)¹⁰⁶⁻¹⁰⁸ and thus deficiencies in these can cause alopecia. Supplementation with these, in theory, should improve hair growth and this is particularly true for iron deficiency.

Table 1.

Vitamins, minerals and herbal drugs that stimulate hair growth or prevent hair loss by various mechanisms¹⁰⁶⁻¹⁰⁸.

- Ascorbic acid (vitamin C)
- Tocopherol (vitamin E)
- Grape seed
- Rosemary oil
- Sage
- Nettles
- Hibiscus rosasinensis¹⁰⁸

Platelet-rich plasma targeted to scalp

Platelet-rich plasma is a concentration of platelets that is 3 times the normal blood value, and contains many growth factors that stimulate hair follicles. PRP is derived from a sample of the patient's own blood and injected into different areas of the scalp to promote hair growth. PRP is a great solution for hair loss in both men and women, especially when hair transplant surgery is not an option.

<https://dermsurgery.net/prp-for-hair-loss.html>

<https://www.michelegreenmd.com/prp-hair-treatment-restoration>

Lin28a directly targeted to hair follicles

LIN28 is thought to regulate the self-renewal of stem cells. LIN28 is highly expressed in human embryonic stem cells and can enhance the efficiency of the formation of induced pluripotent stem (iPS) cells from human fibroblasts.

<https://www.science.org/doi/10.1126/science.1151526>

Lhx2 Gene Activation

The Lhx2 gene is active during the growth phase of the hair follicle and is turned off during the resting phase. Moreover, activation of the Lhx2 gene in hair follicles induced the growth phase and hence hair formation. Thus, Lhx2 is an important regulator of hair growth.

<https://journals.plos.org/plosgenetics/article?id=10.1371/journal.pgen.1000904>

Electrotherapy For Hair Loss

Electrotherapy, also known as Electro Tricho Genesis, has proven to be an attractive non- surgical and non-invasive treatment in reversing male-patterned baldness and other hair loss problems in both men and women.

<https://www.emergetrichology.com/post/electrotherapy-for-hair-loss>

Polyphenols (resveratrol and fisetin)

Polyphenols (resveratrol and fisetin) targeted **ONLY** to the scalp that activate TERT expression in keratinocytes, and identified resveratrol and fisetin as strong hTERT-augmenting compounds, also regulated the gene expression of cytokines such as IGF-1 and KGF, which activate the β -catenin pathway, and TGF- β 1, which plays an important role in maintaining the niche of hair follicle stem cells, thus are thought to play roles in promoting hair growth.

<https://www.frontiersin.org/articles/10.3389/fcell.2020.566617/full>

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7593534/>

<https://vegamour.com/blogs/blog/resveratrol-hair-loss>

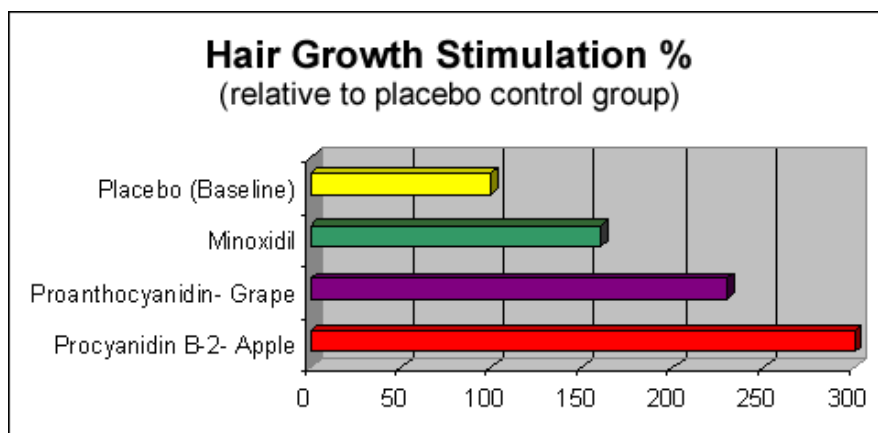
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8637427/>

Procyanidin B-2 targeted to scalp

Late in 2000, Japanese researchers presented their findings to the international community on the hair growing effects of apple polyphenols- specifically one known as procyanidin B-2.

The procyanidin B-2 fraction clearly outperformed the grape extract, and nearly doubled the hair growth activity of minoxidil. "Procyanidin B-2 purified from apples," stated the research team, "shows the highest activity of more than 300% relative to controls."

Promising results, indeed. Next came the in vivo mouse studies. Lab mice were shaved, then treated with procyanidin B-2, procyanidin C-1 (also from apples), minoxidil, and placebo. Results of these tests showed "extensive hair growth" for both procyanidins B-2 and C-1, as well as minoxidil.



<https://applepoly.com/procyanidin-b-2/index.php>

<https://applepolyphenols.com/studies/hairstimulation.htm>

Glandular insufficiency (thyroid)

The thyroid regulates your metabolism, which in turn interfaces with the nervous system. Thyroid imbalance can disrupt energies in the body that promote balanced and vital eliminations and circulation. Thyroid imbalance can cause hair follicles to become starved of nutrients – resulting in brittle hair and/or hair loss.

The field will send healing energy to the thyroid in order for it to function more effectively.

Spine misalignment (vertebral subluxation)

When the spinal column is out of alignment, it causes disturbance of proper circulation, thus preventing transmission of the proper nutrients (blood supply) to hair follicles in the scalp.

The following will help with that issue:

1. Spinal Decompression Therapy

This field will **SAFELY** carry out spinal decompression by gently stretching the spine. This will alter the force and position of the spine making things optimal. This change takes pressure off the spinal disks, which are gel-like cushions between the bones in your spine, by creating negative pressure in the disc. As a result, bulging or herniated disks may retract, taking pressure off nerves and other structures in your spine. This in turn, helps promote movement of water, oxygen, and nutrient-rich fluids into the disks so they can heal.

This will cause your spine to gradually shift and straighten out until you no longer have your condition, It is experimental, so effects may not be as drastic but it should cause good changes and relief.

All combined to make a far more complete multiple angled smart treatment. Which may provide help to a wide variety of spinal problems or just general back pain.

2- Automated back workout

The field will **SAFELY** attempt to help the misalignment of the spine by **strengthening the core of the individual through an automated back workout that will automate core strengthening exercises that will help your back and spine.** This action will help with improving circulation, which will promote hair growth.

What this does is work out your core muscle (Transversus Abdominis) with minor contractions, In addition to Rev-erb for an enhanced workout with direct muscle strengthening.

Mstate Ruthenium

Mstate ruthenium targeted **only** to the scalp.

<https://monatomic-orme.com/product/monoatomic-ruthenium/>

“Apart from its known property of correcting malformed DNA in a general way, we also have a very strong intuition that ruthenium plays a role in hair loss reversal directly.”

<http://www.bodylighthealth.com/ruthenium.html>