TrichoCream™

Gel cream for local application on eyelashes, eyebrows and beard

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personalizing medicine

TrichoCream™

Scarce or thin eyebrows and eyelids have an important impact on a patient's self-esteem, and topical treatments with adequate active ingredients and properly formulated vehicles can help to restore a patient's image and favor their well-being.

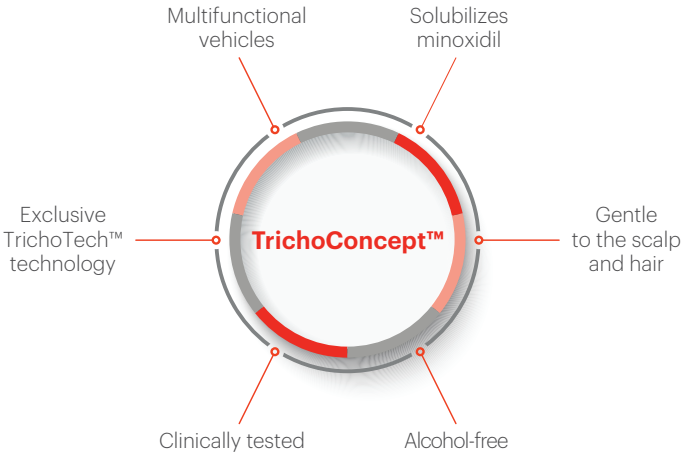
TrichoCream™ is a natural hydrophilic gel-cream base, formulated with olive and shea butter, with unique anti-oxidant and emollient properties. **TrichoCream™** is a non-greasy topical vehicle with adequate viscosity for safe local application in small areas, such as eyebrows and eyelids.

1. Formulated with natural emulsifiers
containing high concentrations of triglycerides of linoleic and oleic acids of aging hair

2. Contains tocopherol,
providing an antioxidant effect for API protection

3. Specially developed
for application in eyelashes and eyebrows

4. Non-irritant
to the eye area



TrichoConcept™

TrichoCream™ is part of the **TrichoConcept™**, the first global line of multifunctional compounding vehicles with the **TrichoTech™** technology, a Fagron patented phytocomplex specially developed for use in personalized alopecia treatment, with selected ingredients that act synergistically to provide multiple benefits to the bulb, scalp and shaft (BSS) hair system.[1]

The Science Behind TrichoTech™

The efficacy of the **TrichoConcept™** line of vehicles and **TrichoTech™** have been validated in both *in vitro* and *in vivo* studies, showing:[2,3]

1. Increase in fibroblasts proliferation
2. Increase in collagen content inside fibroblasts
3. Increase in the expression of fibroblasts growth factors (FGF-7, FGF-10)
4. Stimulation of the anagen phase on hair

TrichoConcept™ vehicles were developed to be compatible with the majority of the APIs and DCIs used in alopecia treatment, allowing their easy incorporation into the vehicles. There are seven different **TrichoConcept™** vehicles available, each one with exclusive characteristics according to the desired site or application.

Patient case study

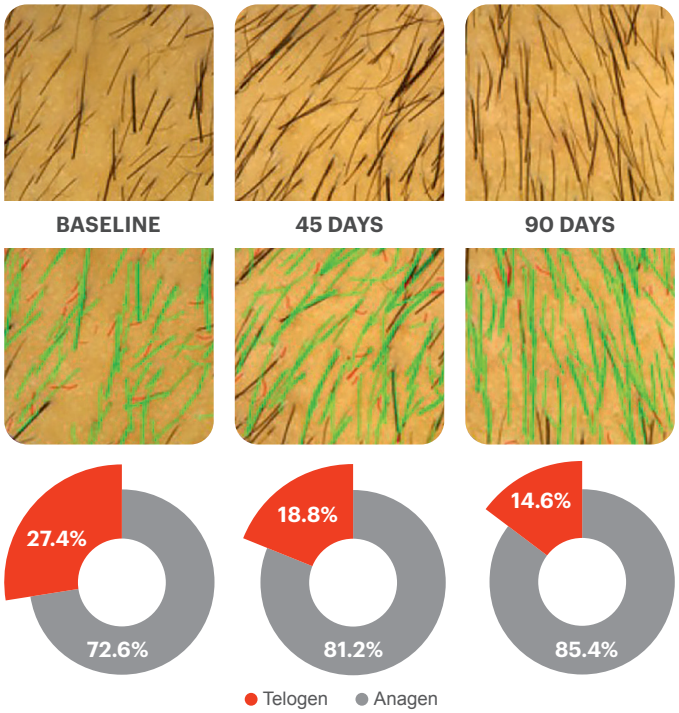


Figure 1. TrichoScan scalp images before treatment (baseline), after 45 and 90 days.

Patient identification: M.V.L.B.S.
Gender: Female
Age: 53

Diagnosis
Androgenetic alopecia, telogen effluvium.

Treatment protocol
- TrichoOil™ + Prostaquinon™ 3.0% (once per week)
- TrichoWash™ (daily)
- TrichoCond™ (daily)
- TrichoSol™ + Latanoprost 0.005% (daily)

Results
After 45 days and 90 days, an increase in anagen hair was observed with the **TrichoConcept™** protocol (Figure 1).

The Safety of TrichoConcept™

All **TrichoConcept™** vehicles were evaluated in clinical studies to assess the skin's primary and accumulated irritation potential, skin sensitization, photoallergy and phototoxicity potential. After the completion of the studies, all the tested products:

- Do not induce primary and accumulated skin irritation
- Do not cause irritation
- Do not induce skin photoallergy or phototoxicity

TrichoConcept™ is formulated to be biocompatible with the hair and the scalp, without causing dryness or irritation. **TrichoConcept™** is free from allergens and controversial ingredients such as dyes, alcohol, parabens, mineral oils, sodium lauryl sulfate, propylene glycol, phthalates, silicones and petrolatum. **TrichoConcept™** vehicles have no safety concerns associated with any of their components and are cruelty-free, vegan, BSE/TSE-free (Bovine Spongiform Encephalopathy/ Transmissible Spongiform Encephalopathy), and GMO-free.

To maintain the physiology of the BSS hair system and avoid toxicity,
TrichoConcept™ vehicles are free from controversial ingredients that are frequently used in hair products:

References

1. Polonini, H., Taylor, S. & Zander, C. Compatibility of Different Formulations in TrichoConcept™ Vehicles for Hair Treatments. *Sci Pharm* **90**, (2022).
2. Amaral, F. *et al*. Effects of the Phytocomplex TrichoTech™ on Human Fibroblasts: Proliferative Potential and Effects on Gene Expression of FGF-7 and FGF-10. *Journal of Cosmetics, Dermatological Sciences and Applications* **07**, 1–13 (2017).
3. Pucci, A. V., Oliveira, A., Amaral, F. & Oliveira, C. R. Effects of Trichosol™ on Increasing the Anagen Phase of the Capillary Cycle of Volunteers. (2019) doi:10.4172/2471-9323.1000139.

Together
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of personalizing medicine.

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