

# Plinest Hair



## Polynucleotides

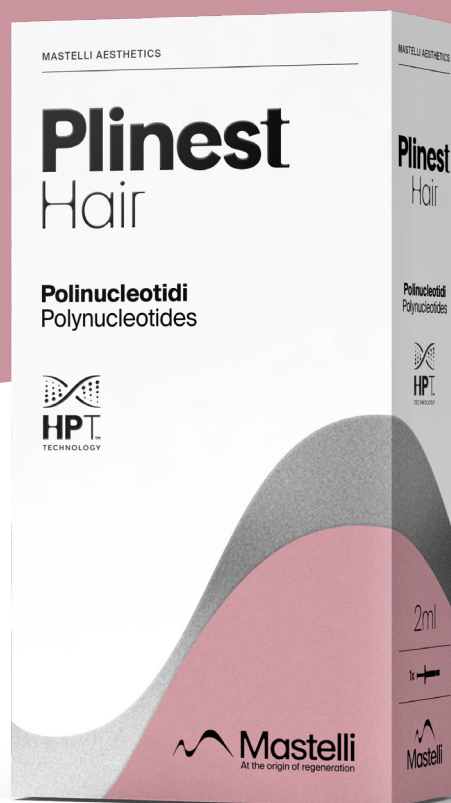
**Plinest Hair** is a **PN HPT™** based product obtained through **High Purification Technology** featuring a high degree of purification and safety

**Treatment Goal:** Suggested for **trophic action** on **hair** and **eyebrows** <sup>[1,3]</sup>

**Composition** <sup>[1]</sup>: **PN HPT™ 15mg/2ml**, sterile, non-pyrogenic, viscoelastic gel

**Pack** <sup>[1]</sup>: 1 x 2ml pre-filled syringe

**Needle** <sup>[1]</sup>: 2 x 30G ½ needle



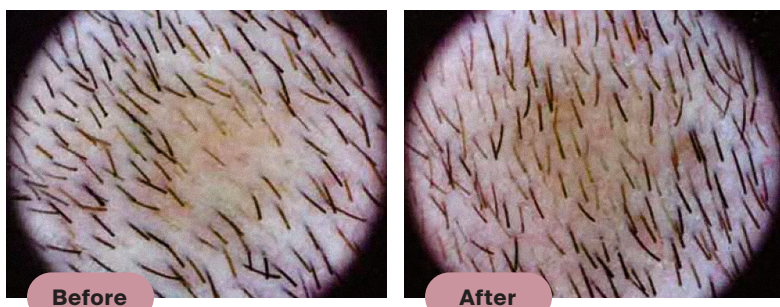
## SKIN PRIMING: BEYOND THE STANDALONE THERAPY

The **Polynucleotides HPT™ PRIMING** prepares the skin and makes it more receptive to medical aesthetic, and anti-ageing treatments. It generates **a synergistic effect and enhance treatment benefits in combination with other interventions: biotin, hyaluronic acid, carboxytherapy, topical therapy** <sup>[2]</sup>

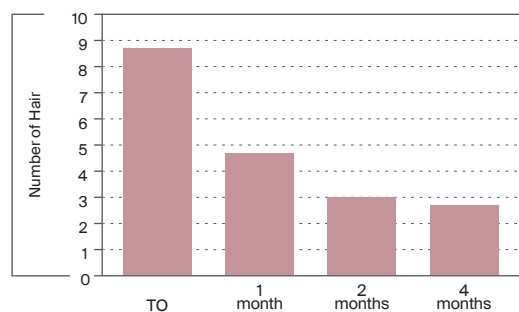
## CLINICAL EVIDENCE

**Clinically proven safety and efficacy of the PN HPT™ for trophic stimulation of the scalp to promote hair growth in cases of female hormonal hair loss** <sup>[2]</sup>

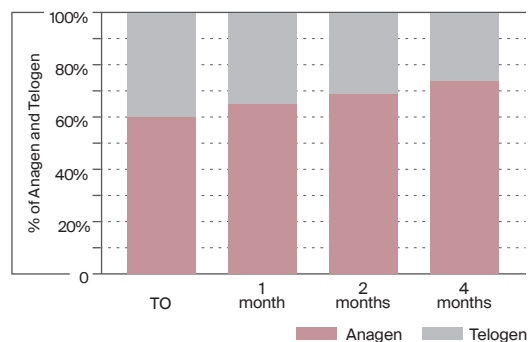
- **Patients:** 20 female patients aged between 25 and 65 years suffering from non-androgen-dependent female hormonal alopecia. Patients were not suffering from systemic diseases (iron deficiency, febrile diseases, endocrinopathies, liver diseases, etc)
- **Clinical evaluation:** T1 (1 month), T2 (2 months), T4 (4 months)
- **Safety:** the product was very well tolerated and no side effects were reported



**Figure 1:** Video dermoscopy demonstrated an increased average number of hair in a standard area. Baseline assessment, before (T0, 105 hair/cm<sup>2</sup>) and after treatment with PN HPT™ 15mg/2ml (T12, 118 hair/cm<sup>2</sup>)



**Figure 2a:** Pull test demonstrated reduction in the number of lost hair



**Figure 2b:** Improvement of trichogram values with hair increase in anagen (growing phase) and hair reduction in telogen (resting phase)

Over 72% of treated women have reported an objective improvement in alopecia after using Plinest Hair

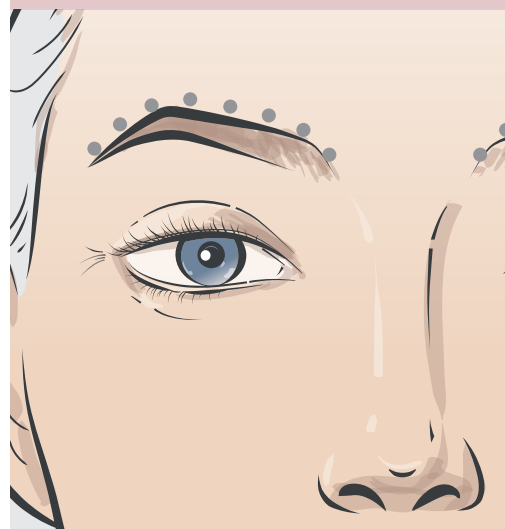
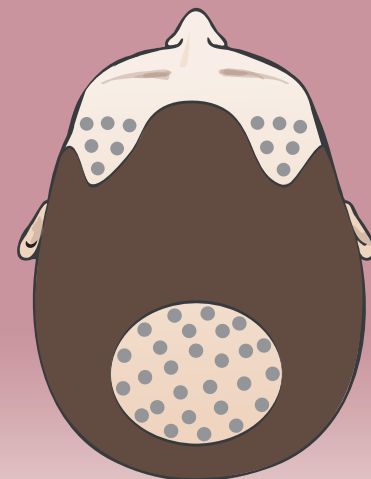
## Polynucleotides

### Treatment protocols and injection techniques

#### HAIR AND EYEBROWS BIO-REGENERATION

- 2ml per session with microdroplet or linear retrograde technique <sup>[2]</sup>
- **Phase I:** One session every 7 or 14 days for a total of 4 sessions <sup>[2]</sup>
- **Phase II:** One session every 21-30 days for further 4 sessions <sup>[2]</sup>

- **Areas of treatment:** Hair and eyebrows <sup>[1]</sup>
- **Depth of injection:** Intradermal <sup>[1]</sup>



Before



After

**Figure 3:**  
Photographs evaluations  
at baseline (Before) and at the end  
of the treatment with PN HPT<sup>™</sup>  
15mg/2ml (After)

Photographs courtesy of dr. Piscopo S.

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**Bibliography:** **1)** Plinest hair IFU (instructions for use) | **2)** Cavallini M, Bartoletti E, Maioli L, Massirone A, Palmieri IP, Papagni M, Priori M, Trocchi G, members of The Polynucleotides HPT<sup>™</sup> Priming Board, Collegio Italiano delle Società Scientifiche di Medicina Estetica (Italian College of the Aesthetic Medicine Scientific Societies) - SIME, AGORÀ, SIES. Consensus Report on the Use of PN-HPT<sup>™</sup> (Polynucleotides Highly Purified Technology) in Aesthetic Medicine. Journal of Cosmetic Dermatology 2020; 1-7 | **3)** Gianfaldoni R, Gianfaldoni S, Nannipieri A, Lotti T. A polynucleotide-based product to treat female hormonal hair loss. Prime. July/August 2014; 30-36