

# Newest



## Polynucleotides and Hyaluronic Acid

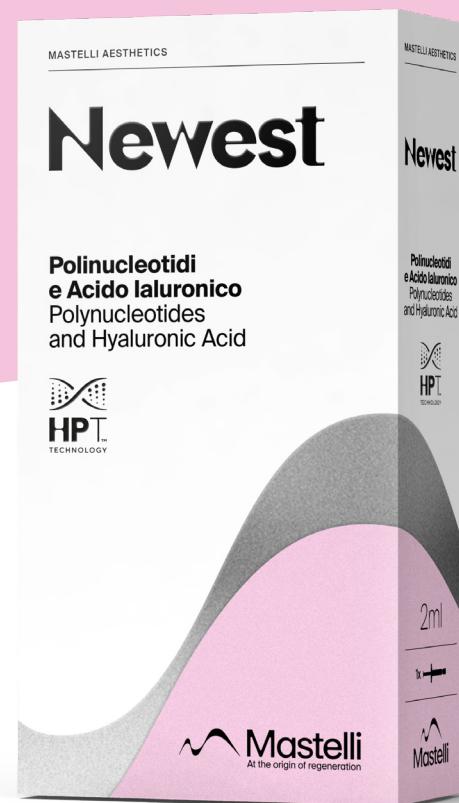
Newest is a **PN HPT™, HA and Mannitol** based product obtained through **High Purification Technology** featuring a high degree of purification and safety

**Treatment goal:** Suggested to **moisturise mature and dehydrated skin improving turgidity, elasticity and appearance** <sup>[1,2,3]</sup>

**Composition** <sup>[1]</sup>: **PN HPT™ 20mg/2ml**  
Linear HA 20mg/2ml  
Mannitol, 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 with: laser, radiofrequency, fillers, peeling, needling, and surgery** <sup>[4]</sup>

## CLINICAL EVIDENCES

**Facial middle third rejuvenation: discussion of the expected benefits from PN HPT™ (Polynucleotides High Purification Technology) and PN HPT™ Priming** <sup>[3]</sup>

- **Patients:** An open-design, exploratory prospective cohort study in 40 real-life ambulatory treated women has been performed to probe the value of Newest in middle-third rejuvenation

### Treatment Protocol

- 1 At baseline - treatment with intradermal injections of 20mg/2ml of PN HPT™, 20mg/2ml of hyaluronic acid, 200mM/L mannitol
- 2 After 3 weeks - treatment with intradermal injection of 40mg/2ml of PN HPT™
- 3 After 6 weeks - treatment with intradermal injections of 20mg/2ml of PN HPT™, 20mg/2ml of hyaluronic acid, 200mM/L mannitol

### Results and Safety

- Significant improvement of skin quality and texture (from  $7.0 \pm 1.06$  at baseline session to  $7.8 \pm 0.99$  at follow-up)
- Significant reduction of wrinkles and skin roughness (-17.1%)
- Significant improvement of skin elasticity and brightness (+51.1%)
- All side effects were mild and causing transient discomfort, irritation or pain at the injection site

## PN HPT™

Bio-regenerating and trophic effect <sup>[1]</sup>

## Linear HA

Mosturizing effect <sup>[2]</sup>

Synergic Action in a Unique Formula

Mannitol  
HA protection

Subjects treated with Newest display a significant skin quality improvement and a meaningful wrinkles reduction

Mastelli

## Polynucleotides and Hyaluronic Acid

### Treatment protocols and injection techniques

#### MATURE AND DEHYDRATED SKIN BIO-REGENERATION AND HYDRATION

- 2ml intradermally with micro-droplet or linear retrograde technique [4]
- One session (2ml) every 14 or 21 days for a total of 3 to 4 sessions [4]



- **Areas of treatment:** Face, Neck, and Décolleté [1]
- **Depth of injection:** Intradermal [1]



Before



After

**Figure 1:**  
Photographs at baseline assessment session (left) and follow-up at 6-9 weeks after the last treatment session (right) [3]

Photographs are owned by the authors and belongs to Mastelli clinical data base

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**Bibliography:** 1) Newest IFU (Instruction for use) | 2) Guizzardi S, Uggeri J, Belletti S, Cattarini G. Hyaluronate increases polynucleotides effect on human cultured fibroblasts. Journal of Cosmetics, Dermatological Sciences and Applications 2013; 3: 124-128 | 3) Facial middle third rejuvenation: discussion of the expected benefits from PN HPT (Polynucleotides Highly Purified Technology) and PN HPT priming. Data on File Mastelli | 4) Cavallini M, Bartoletti E, Maioli L, Massironi A, Palmieri IP, Papagni M, Priori M, Trocchi G, members of The Polynucleotides HPT™ 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™ Polynucleotides Highly Purified Technology) in Aesthetic Medicine. Journal of Cosmetic Dermatology 2020; 1-7