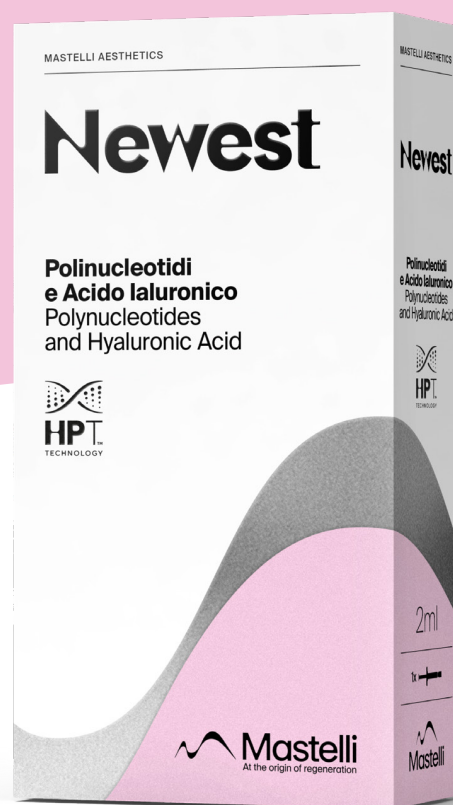


Newest



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** ^[1,2,3]

Composition ^[1]: **PN HPT™ 20mg/2ml**
Linear HA 20mg/2ml
Mannitol, sterile, non-pyrogenic, viscoelastic gel

Pack ^[1]: 1 x 2ml pre-filled syringe

Needle ^[1]: 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** ^[4]

CLINICAL EVIDENCES

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

- **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 ± 1.06 at baseline session to 7.8 ± 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 ^[1]

Linear HA

Moisturizing effect ^[2]



Mannitol

HA protection

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



Newest



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, Massirone 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

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