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Si Belle

HydraNoor

PN

Polynucleotide
+ Hyaluronic acid



PN 10 mg + HA 10 mg

2.5 mL

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HydraNoor PN product profile

FIELD	PRODUCT INFORMATION
Product name	Si Belle HydraNoor PN
Polynucleotide (PN)	10 mg
Hyaluronic acid (HA)	10 mg; low molecular weight
Volume	2.5 mL

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PN + HA formulation concept

POLYNUCLEOTIDE

Polynucleotide (PN) is a key component of the formulation. General PN literature explores skin-quality and tissue-support endpoints.

HYALURONIC ACID

The formulation combines PN with low molecular weight hyaluronic acid (HA). Published HA-PN research explores the roles of these components in experimental skin models.

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PN and PDRN terminology

TOPIC	PN	PDRN
Full name	Polynucleotide	Polydeoxyribonucleotide
General source context	DNA-derived polymers discussed in skin-quality research	DNA-derived preparations discussed in tissue-repair research
Literature emphasis	Hydration, tissue support and skin-quality endpoints	Nucleotide metabolism and wound-related endpoints
Interpretation	Composition, molecular size and purification depend on the preparation	Class-level findings do not replace product-specific clinical data

Human PN research

RANDOMIZED SPLIT-FACE TRIAL [1]

27 subjects received PN and non-crosslinked HA in the periocular area. Some measured texture and pore outcomes favored PN. The abstract reports no significant between-group difference in VAS or GAIS improvement.

FIVE-PATIENT CASE SERIES [2]

Investigators reported changes in skin-quality measures after long-chain PN treatment. This uncontrolled exploratory series cannot establish comparative efficacy or the frequency of uncommon adverse events.

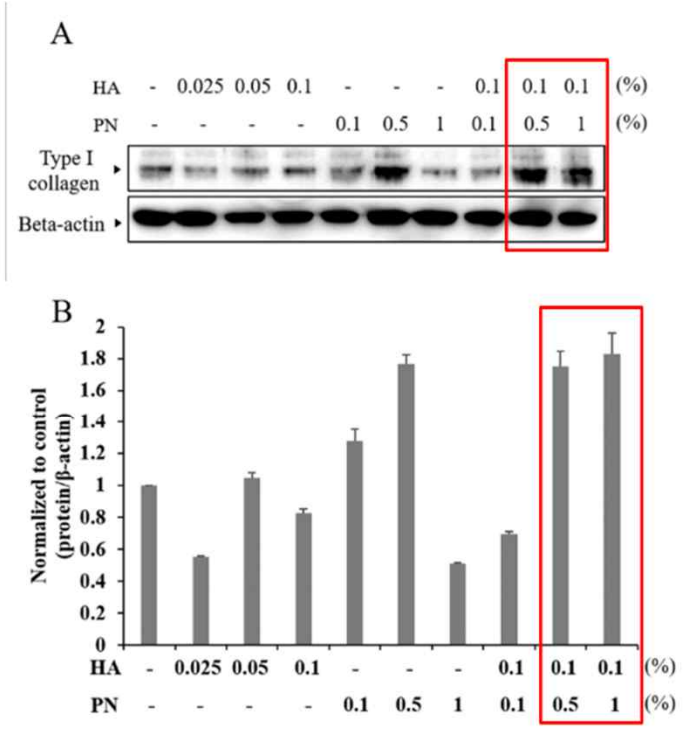
The studies summarized here concern other PN preparations and provide general scientific context.

HA-PN experimental research

RESEARCH FINDINGS [3]

A laboratory and mouse study examined HA-PN complexes. Selected conditions showed increased fibroblast migration and collagen-related measures.

This supports a research rationale. It is not a clinical trial of HydraNoor PN.



Quantification of the amount of type I collagen expressed in HDF cells. (**A**) Western blot image. (**B**) Quantification of the type I collagen expression in HDF cells.

Source figure from Kim JH et al., Scientific Reports. 2020;10:5127. DOI: 10.1038/s41598-020-61952-w

Scientific references

[1] CLINICAL

Lee YJ et al. Comparison of the effects of polynucleotide and hyaluronic acid fillers on periocular rejuvenation: a randomized, double-blind, split-face trial. J Dermatolog Treat. 2022;33(1):254-260. Online 2020. DOI: 10.1080/09546634.2020.1748857

[2] CASE SERIES

Park KY et al. Long-chain polynucleotide filler for skin rejuvenation: efficacy and complications in five patients. Dermatol Ther. 2016;29(1):37-40. DOI: 10.1111/dth.12299

[3] PRECLINICAL

Kim JH et al. Comparative Evaluation of the Effectiveness of Novel Hyaluronic Acid-Polynucleotide Complex Dermal Filler. Sci Rep. 2020;10:5127. DOI: 10.1038/s41598-020-61952-w

AB LIFE GLOBAL

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