

# Scar Revision with MicronJet™ 800 Intradermal Delivery

A case study by  
Dr. Alberto Diaspro | Maxillofacial Plastic Surgeon



## Background

A 57-year-old female patient (Fitzpatrick Skin Type II) presented with a post-surgical scars following spine surgery performed in May 2025. The patient was in good health, with no relevant medical history or contraindications. Her main concern was the aesthetic appearance of the scars, and her goal was to improve the scars' texture and firmness. The clinician aimed to optimize the aesthetic outcome and dermal remodeling.



## Treatment Goals

- Improve overall aesthetic appearance of the post-surgical scars
- Enhance dermal texture and firmness through collagen remodeling
- Minimize discomfort and downtime while achieving visible results



## Treatment Plan

- Product Used: Polynucleotides (Bioformula Plenhyage XL Strong 25mg/ml, 1000kDa), 1 vial (2 ml) per session, 3 sessions total
- Delivery Method: MicronJet™ 800
- Treatment Area: Flank
- Session Frequency: 1 session every 30 days
- Rationale: Optimize scar aesthetic outcome through precise intradermal delivery



## Procedure Details

### Dates

Multiple sessions over 3 months

### Protocol

No anesthesia; antiseptic prep only

### Devices

MicronJet™ 800 (possible to use MicronJet™ 600 as well)

### Duration

~10 minutes per session

### Injection Technique

45°-70 °angle intradermal injections

### Observations

- Skin blanching
- Moderate papules





## Post-Treatment Care

- **Instructions**  
None required
- **Home Care**  
None prescribed

- **Downtime**  
Minimal; papule resorption within 24 hours (acceptable by the patient)
- **Adverse Events**  
None reported

## Results

Visible improvement observed after 105 days, including enhanced skin texture and firmness. The patient reported high satisfaction with the treatment results, noting no bruising and only minor pin-point bleeding. A follow-up at 6 months is planned to assess longevity. The clinician observed that MicronJet™ 800 provided a consistent, precise, and virtually pain-free intradermal delivery, contributing to excellent scar remodeling outcomes.

### Spine Scar



### Right Side of the Back



## Conclusion

MicronJet™ 800 demonstrates effective and controlled intradermal delivery for scar management using PNs. This case confirms that precise depth targeting (0.8 mm) enhances scar appearance, patient comfort, and overall satisfaction, supporting MicronJet™'s role in regenerative aesthetic therapies.

## About Dr. Alberto Diaspro, Maxillofacial Plastic Surgeon

Dr. Alberto Diaspro obtained his degree in Medicine and his specialization in Maxillofacial Surgery from the University of Turin.

He earned a Master's degree in Plastic and Aesthetic Surgery of the facial district at the **University of Tor Vergata in Rome**, as well as an International University Master's in Aesthetic Medicine and Aesthetic Therapy from the **University of Camerino**, after completing diplomas in Aesthetic Medicine and in 'Laser Therapy and Laser Surgery' at the postgraduate **School of Medicine with an Aesthetic Focus (S.M.I.E.M.-Agorà) in Milan**. He is the author, co-author, and reviewer of scientific articles and texts published in international journals.

He is actively involved in conferences, teaching, and training at both national and international levels for leading companies in the market. He is a member of the **European Academy of Facial Plastic Surgery (E.A.F.P.S.)**, the **Italian Association of Aesthetic Plastic Surgery (A.I.C.P.E.)**, and the **Italian Association of Aesthetic and Functional Surgery of the Face (A.I.C.E.F.F.)**.

He dedicates his professional activity to aesthetic medicine and surgery of the face and serves as a consultant in maxillofacial and facial plasticsurgery.

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**Please read the IFU before use and for additional information on indications, contraindications, warnings, and precautions.**

\*\* The use of each substance for intradermal injection must comply with the applicable regulatory approvals and requirements in the respective country or region.

\*\*Dr. Bollero received financial support from NanoPass Technologies for this case study



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**For more information on MicronJet™**

[micronjet.nanopass.com](https://micronjet.nanopass.com)

[info@nanopass.com](mailto:info@nanopass.com)

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