

# JULÄINE™

Of Sweden

## FACIAL FILLER

## Instruction For Use

**Only to be administered by appropriately trained healthcare professionals who are qualified or accredited in accordance with national law.**

### DEVICE DESCRIPTION

**JULÄINE** is an injectable implant supplied as a sterile non-pyrogenic lyophilized powder that is reconstituted before injection with sterile water for injection (Ph.Eur.) or sodium chloride injection (0.9%, Ph. Eur.). It is supplied in a glass vial and sterilised using irradiation. The product is not supplied with any accessories. **JULÄINE** is for single patient and single session use only.

### COMPOSITION OF JULÄINE

Each vial of dry powder for reconstitution contains:

- 150 mg of poly-L-lactic acid microspheres
- 45 mg of sodium carboxymethylcellulose
- 145 mg of non-pyrogenic mannitol

### HOW SUPPLIED

The packaging for **JULÄINE** uses an 8 mL transparent glass vial, sealed by a butyl stopper and an aluminium-plastic cap.

### INTENDED USE / INDICATIONS

**JULÄINE** is an injectable implant for adult immune-competent individuals and is intended for augmentation of shallow to deep nasolabial folds to compensate for skin depression due to connective tissue imperfections, scars, or for cosmetic purposes.

### PERFORMANCE

Through injections with **JULÄINE**, lost volume is restored to address deep folds and shallow contours of the nasolabial fold.

Multiple injections (up to 3 injections per site) allow sufficient filling of deep folds and shallow contours of the nasolabial fold.

### MODE OF ACTION

The **JULÄINE** suspension contains microspheres of crystalline poly-L-lactic acid, a biocompatible, biodegradable, synthetic polymer from the alpha-hydroxy-acid family. The microspheres have a highly uniform particle size and degrade slowly. Reconstituted **JULÄINE** has a viscosity suitable for injection with a **26G** needle into the deep dermis or the subcutaneous layer of the nasolabial folds. Together, these characteristics provide its mechanical properties and prolonged resorbability that make **JULÄINE** a suitable implant for restoring volume to areas of depressed skin.

### CONTRAINDICATIONS

Do not use **JULÄINE** in patients with any of the following conditions:

- Acute or chronic skin disease (infection or inflammation)
- History of allergies to any of the constituents of the product
- Are under 18 years of age, pregnant, or breastfeeding
- Haemorrhagic disease or under anticoagulant therapy
- Have a known history of or susceptibility to keloid formation or hypertrophic scarring
- Immune deficiencies

### WARNINGS

- Only inject **JULÄINE** in the deep dermis or subcutaneous layer. Avoid injecting more superficially, as this may result in the formation of papules or nodules at the injection site. Papules/nodules could also result from injecting too much product, or from incorrect reconstitution of product. To minimize the risk of papule/nodule formation, the treated area should be massaged to ensure adequate distribution of the product.
- Each **JULÄINE** vial is for use in a single patient and during a single session only, and the vial should not be re-used or resterilised. The vial and any remaining product should be discarded immediately after use. Do not use the product if packaging or vial is opened or damaged.
- **JULÄINE** must not be injected into the blood vessels, as this may result in vessel occlusion that could cause ischemia, skin infarction and embolism.
- Skin depressions should not be overfilled since they will improve over the course of several weeks as the treatment effect develops.
- **JULÄINE** should not be injected into the lip.
- When injecting **JULÄINE**, use sterile **26G** needles with single-use sterile syringes.
- Always reconstitute the powder with sterile water for injection (Ph. Eur.) or sodium chloride solution (0.9%, Ph. Eur.) before injection, as described in INSTRUCTIONS FOR USE.
- Do not use **JULÄINE** that has exceeded its shelf life.

### PRECAUTIONS FOR USE

- **JULÄINE** should only be used by Medical Doctors with expertise in facial anatomy (including location of blood vessels and nerves) and procedures for correcting volume deficiencies with injectable soft tissue fillers. They should have first familiarized themselves with the product and the entire INSTRUCTIONS FOR USE. **JULÄINE** should be used in a medical office or facility specializing in aesthetic procedures where aseptic conditions are available.
- Strictly adhere to the principles of sterile operation and hygiene and disinfect the injection site before injection.
- Like other injections, **JULÄINE** may cause a haematoma or injection site bleeding in patients treated with anticoagulants.
- No studies have been conducted to investigate interactions between **JULÄINE** and drugs, other substances, or other implants.
- Patients should not undergo treatments based on an active dermal response, such as laser treatment or chemical peeling, before or after treatment with **JULÄINE**, to avoid an inflammatory reaction at the injection site.
- The Medical Doctor must observe particular caution when injecting **JULÄINE** in areas of thin skin due to an increased risk of papules and nodules (see SIDE EFFECTS OF THE TREATMENT).
- After injection of the product, the patient should avoid exposure to sunlight and UV light until the initial swelling and redness disappear. Very high or very low temperatures should also be avoided.

### SIDE EFFECTS OF THE TREATMENT

The possible side effects of this product include the following:

- Short-term pain and short-term bleeding at the site of needle penetration during injection.
- Redness, ecchymosis, haematoma, bruising, petechia, or visible oedema at the injection site, which are usually relieved within a few days.
- Based on clinical studies and post-market surveillance of poly-L-lactic acid fillers, skin nodules, late granulomas, subcutaneous papules, or hardened skin may appear between 1 and 14 months post-injection. The risk of these events appearing in the first six weeks may be reduced by following recommended product reconstitution and injection techniques, avoiding injecting into areas of thin skin, and the patient following a facial massage regime after injections.
- Clinical studies and post-market surveillance of poly-L-lactic acid soft tissue fillers have also shown the following rarely reported adverse events: mouth pain, injection site abscess, injection site infection, injection site urticaria, injection site atrophy, allergic reaction, skin hypertrophy, angioedema, telangiectasis, skin sarcoidosis, scarring, and skin discoloration.
- Very rarely, vascular complications can occur, including embolism, ischemic events, visual impairment (including permanent blindness), and stroke.

### INSTRUCTIONS FOR USE

One set of injections of **JULÄINE** can be performed per side of face per office visit. Injections can be repeated, 2-4 weeks apart, with a maximum of 3 sets of injections per side for the complete treatment. The maximum amount of reconstituted **JULÄINE** is 1.5 ml per side per visit; hence, one reconstituted vial of 5 ml volume can be used to inject both sides of the face during one office visit. After the last treatment session, one additional visit is recommended to identify any potential undesirable effects.

### Reconstitution prior to use

1. Remove the flip-off cap from the vial and clean the butyl stopper with an antiseptic. If the vial, flip-off cap or seal is in any way damaged, or unintentionally opened before use, or if the vial has been stored above 30°C: Do not use the product and discard it, then contact your local representative (see contact information provided at the end of this INSTRUCTIONS FOR USE).
2. Draw 5 mL of sterile water for injection (Ph.Eur.) or sterile sodium chloride solution (0.9%, Ph. Eur.) using a sterile, single-use 5 mL syringe with a sterile 18G needle attached.
3. With a single puncture, press the 18G needle through the butyl stopper of the vial. Slowly expel the full volume of sterile water for injection or sodium chloride solution into the vial.
4. Swirl or rotate the vial for 1 minute to suspend the powder, and let the vial stand for 2 hours.
5. Reconstituted **JULÄINE** can be stored at room temperature of 18°C to 25°C for up to 72 hours. If not used within 72 hours, the product must be immediately discarded. Do not freeze. Only a single patient should be injected from a vial of product.

### Preparation of reconstituted JULÄINE for injection

1. Gently agitate the reconstituted product immediately before use until a uniform translucent suspension is obtained. If a uniform suspension is not achieved the product should not be used.
2. Clean the butyl stopper of the vial with an antiseptic. Use a fresh sterile 18G needle to draw an adequate volume of the **JULÄINE** suspension into a 1 mL disposable sterile syringe.
3. Change to a sterile **26G** needle. Before injection, remove air and ensure open passage in the needle by expelling a few drops of the suspension.
4. The suspension will be injected into the deep dermal or subcutaneous tissue inside the nasolabial folds according to the prescribed method.
5. During the injection process, agitate the syringe every now and then to keep the product evenly suspended.
6. If the **26G** needle is blocked or becomes dull, the needle should be replaced. After removing the used needle, expel a few drops of product, attach a new sterile **26G** needle, then again remove air and ensure the needle has open passage by expelling a small amount of suspension before continuing.
7. To withdraw the remaining product from the vial during the injection procedure to achieve the maximum volume of 1.5 mL per side, repeat steps 1 and 2.

### Patient preparation

1. The patient's medical history should be fully investigated before treatment. Before **JULÄINE** is injected, the patient shall be informed of the indications and contraindications of this product, warnings, precautions, side effects, and the method of injection. In addition, the patient shall be informed of the planned course of treatment based on the patient's needs and the extent of filling that is desired, and of how to report side effects and when to contact a healthcare professional.
2. The injection site should be disinfected before injection.
3. Before the procedure, the patient's nasolabial folds should be graded for severity of skin depression and photographed.
4. **JULÄINE** is commonly injected by multiple injections in a linear (linear threading), fan-like (fanning), or grid (cross-hatch) pattern, using the threading /tunnelling implantation technique for each injection line. Alternatively, the bolus technique may be used. The Medical Doctor should make a plan of the chosen method before injection and draw injection points and lines with a pen on the nasolabial area.

### How to inject reconstituted JULÄINE into nasolabial folds

1. Stretch the skin to obtain a firm surface for insertion of the needle. This allows better control of the depth of injection. The **26G** needle should be inserted into the deep dermis or subcutaneous layer of the skin at an angle of 30-40°. A noticeable change in tissue resistance will occur as the needle passes into the subcutaneous layer from the dermis. For threading /tunnelling techniques, the needle should then be advanced at an angle of 10-20°.
2. Always perform aspiration to avoid injection into a blood vessel. If blood is pulled into the syringe, immediately remove the needle and apply pressure to the site until the bleeding stops. Prepare a new syringe for injection into a different site. If no blood is drawn back into the syringe, proceed with the injection.
3. Start the first injection on the medial side at the base of the nasolabial fold. If the bolus technique is used, inject a small amount of reconstituted product without moving the needle. If using a tunnelling technique, slowly back the needle and do a retrograde injection of a portion of the product along the length of the fold. Depending on the choice of implantation technique, continue by:

Bolus:	Complete all planned injections.
Linear threading:	Complete all planned injection lines parallel to the nasolabial fold.
Cross-hatch:	Complete all planned injection lines parallel to the nasolabial fold. A grid pattern is then created with additional injection lines crossing the first lines at a right angle.
Fanning:	Place additional injection lines in a radial pattern, using a single injection point.

The amount of **JULÄINE** per injection point should be 0.1-0.2 mL at intervals of 0.5-1 cm. For unilateral nasolabial folds, the total injection dose of **JULÄINE** should not exceed 1.5 mL, and the bilateral dose should not exceed 3 mL.

4. After completing each set of injections, massage for a minimum of 2 minutes with use of a facial moisturizer. The massage is performed using a circular motion to make the product spread more evenly.
5. Side effects that may appear in the treatment area immediately after the injection are redness, swelling, and bruising. To reduce the risk of oedema and/or bruising after injection, apply ice packs to the injection site (avoid direct contact).
6. After each treatment, the patient is to be advised to apply a facial moisturizing cream to the treatment area and massage with a circular motion for 5 minutes, 5 times a day, for 5 consecutive days.
7. After 2-4 weeks, evaluate whether another treatment session is needed. After a maximum of three treatment sessions, 2-4 weeks apart, it is not necessary to fill the nasolabial folds to full, as they will gradually fill thereafter.














### STORAGE CONDITIONS

**JULÄINE** should be stored at controlled room temperature of away from heat (maximum 30°C). Upon reconstitution, **JULÄINE** can be stored up to 72 hours at room temperature of 18°C to 25°C. Do not freeze.

After each treatment session the healthcare professional at the medical office or aesthetic clinic must comply to local requirements and practice and dispose used syringes and needles as potential biohazards.

For technical assistance or questions about this product: **Website:** www.nordbergmedical.com

**Email:** info@nordbergmedical.com

	<b>Nordberg Medical AB</b> Hälsövägen 7 SE-141 57 Huddinge Sweden		Refer to instruction manual / instruction for use (IFU) IFU must be read
	<b>0653</b>		Medical device
	Sterilised using irradiation		Catalogue number
	Do not use if package is damaged		Batch code
	Do not re-use		Expiration date
	Upper limit of temperature		Date of manufacture
	Do not re-sterilise		

