



SYSTEMATIC HYALURONIC ACID FILLERS

Natural beauty system

for skin rejuvenation, wrinkle correction,

facial volume augmentation and

modeling of facial contours



amalian

Professional Information

HYALURONIC ACID

The most effective moisturizer nature offers

The secret to beautiful, youthful skin

Comprehensive therapy concept

The innovative biphasic and monophasic amalian hyaluronic acid fillers give you the opportunity to individually treat your patients with a comprehensive therapy concept and to achieve long-lasting, visible results. You can choose from a range of 11 different fillers with different concentrations for the treatment of fine to deep wrinkles, lip augmentation, facial contouring and the treatment of scars. All the products complement each other perfectly.

The biphasic amalian hyaluronic acid fillers ensure a long-lasting effect with less material due to the novel CIS Technology. The monophasic amalian hyaluronic acid fillers are easy and simple to inject for practically all indications including a moderate lip augmentation. The monophasic range offers you 2 categories of products depending on the patient requirements and individual condition. The amalian LT products will give a slightly stronger volumizing effect with a longer lasting result. The amalian soft fillers containing fully hydrated particles have a shorter effect, are uncomplicated and very forgiving. In addition to these products, the amalian hyaluronic acid system includes a linear monophasic product (non-cross-linked), amalian balance, for revitalization of the face, neck, décolleté and hands through mesotherapy treatment.

All amalian hyaluronic acid fillers are exclusively made of ultra-pure, protein-free hyaluronic acid obtained through biofermentation, which is totally free from animal components.

As CE-certified and GMP-certified sterile medical devices, all amalian hyaluronic acid fillers meet the highest German and international quality requirements and ensure absolute sterility as well as the absence of endotoxins and proteins.

The amalian therapy concept offers you the opportunity to choose the product that best meets your patients' requirements. A choice of three different product lines enable you to achieve the very best result for your patients.

Special CHARACTERISTICS of amalian dermal fillers

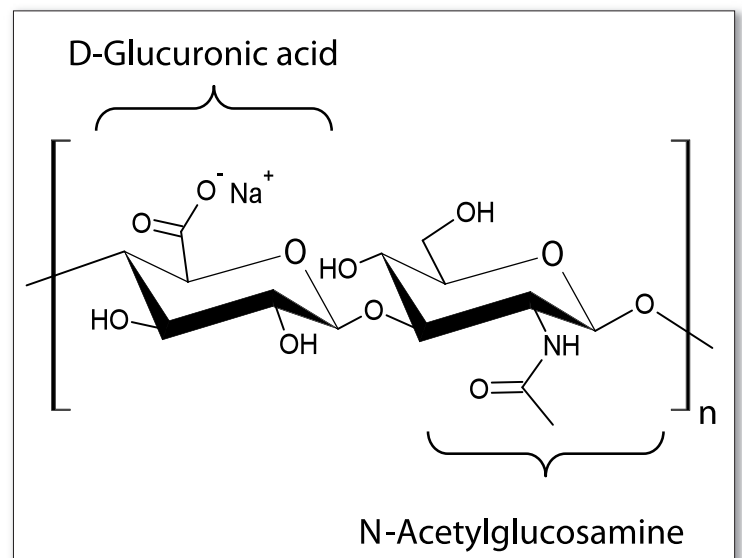
Special characteristics of amalian dermal fillers

The innovative manufacturing method of amalian hyaluronic acid dermal fillers benefits from more than 20 years of experience in the manufacturing of sterile hyaluronic acid, which was used in ophthalmic surgery and is characterized by extraordinary properties:

- ultra-pure hyaluronic acid
- easy injection disregarding high structural viscosity
- homogenous distribution in the skin
- excellent flow properties

Additionally, all amalian hyaluronic acid fillers offer all the advantages of a premium hyaluronic acid treatment:

- fully degradable
- free from animal components
- no undesired long-term effects
- excellent biocompatibility, clinically proven
- no allergy test required
- guaranteed highest quality



Chemical structure of hyaluronic acid

Hyaluronic acid is a polysaccharide (complex sugar) consisting of disaccharide units, glucuronic acid and N-acetyl glucosamine.

Hyaluronic acid is found in almost all cells of the human body.

50 per cent of the entire endogenous hyaluronic acid is located in the skin.

In the extracellular matrix hyaluronic acid is responsible for a multitude of biological functions.



HYALURONIC ACID

more than a cellular glue

Natural moisturizer

Hyaluronic acid is a simple structural polysaccharide whose basic building block is glucosaminoglycan, a disaccharide consisting of glucuronic acid and acetyl glucosamine. Hyaluronic acid fulfills important cytological functions through the interaction with cells and regulation of the intracellular signal transfer. Hyaluronic acid exists ubiquitous in the human body. In a person weighing 70 kg it amounts to 15 g with a daily exchange rate of about 5 g. In the skin, hyaluronic acid is found in the limited extracellular space in the epidermis at a concentration of 2 mg / ml, i.e. highly concentrated, and surrounds the keratocytes. Hyaluronic acid is responsible for the regeneration of moisture balance and for the modulation of membrane permeability. It is a natural moisturizer and the most important matrix component of the connective tissue. Hyaluronic acid balances the transepidermal water loss. The skin looks young and fresh again. Hyaluronic acid is regarded as the gold standard in esthetic dermatology and has been used for a long time in wrinkle filling, in the correction of facial defects and in the follow-up treatment of scars.



The amalian

PRODUCT PORTFOLIO

monophasic "SF" • monophasic "LT" • biphasic "expert"

The monophasic amalian "SF" products

The amalian product line offers two different monophasic, low cross-linked fillers: the amalian "SF" products and the amalian "LT" products.

The amalian Soft Filler product line "SF" is characterized by a soft, fully hydrated texture, which can be injected easily and without resistance. The gel distributes quickly and evenly in the injected area and immediately produces a visible volume effect.

Due to a special manufacturing method, the insoluble particles originating from cross-linking of the linear hyaluronic acid chains are fully hydrated, so that every single particle is surrounded by a stable aqueous shell. These soft particles thus do not absorb any water from the tissue after injection, so that no swelling takes place. The intended volumizing effect happens immediately due to the space-occupying characteristics of the gel.

On the other hand, the soft particles are ideally prepared for the enzymatic degradation through hyaluronidases, thus shortening the duration of these gels due to this physiological degradation. Four different concentrations offer the options of mild augmentation in fine wrinkles up to strong volume buildup, e.g. in the cheek area to achieve an optimal result:

- amalian SF24 with Lidocaine
- amalian SF 24 advanced

Depending on the concentration the effect of the amalian SF products lasts up to 6 months. amalian Soft Fillers offer a quick, uncomplicated wrinkle treatment, which is normally free from side effects.



amalian

The amalian




PRODUCT PORTFOLIO

monophasic "SF" • monophasic "LT" • biphasic "expert"

The monophasic amalian "LT" products

The monophasic hyaluronic acid fillers of the "LT" series are homogenous dispersions of low cross-linked hyaluronic acid in buffer solution.



Four different concentrations allow for specific treatments with very good aesthetic results:

-  amalian LT gentle 8 mg
-  amalian II LT intense 24 mg
-  amalian balance 12mg/ml

Due to the special manufacturing technology the unsoluble hyaluronic acid particles distribute homogeneously in the buffer solution to obtain a clear soft gel, which is easy to inject. The two monophasic fillers, amalian I LT active 16 mg and amalian II LT intense 24 mg are perfectly suited for medium to deep wrinkles. They are also suitable for mild to stronger lip augmentation and treatment of the vermillion border. amalian LT smoothline 8 mg is ideal for glabella lines, fine wrinkles and orbital frame / tear trough. amalian smoothline is also well suited for layered treatments after injections of amalian expert.

The biphasic amalian "expert" products

In addition to the monophasic amalian LT and amalian SF hyaluronic acid fillers, we also offer an expert product line for more experienced practitioners.

-  amalian I expert premium 8,4 mg
-  amalian III expert volume 24 mg

These biphasic hyaluronic acid fillers consist of cross-linked hyaluronic acid particles in a gel of linear hyaluronic acid. The main benefit of these gels is the greater duration of the effect. The company offers training for the use of the amalian expert fillers. Patients should be informed about what to expect with the expert range, particularly regarding the potentially more pronounced swelling during the first three days. The amalian expert products are perfectly suited for scar treatment and facial sculpting. Due to the specific galenics, only one third of the volume in comparison to other products on the market is needed to achieve a good result. This is a significant economic advantage for the physician. As for the patient, in most cases subsequent treatment of the same indication will only need to be done once a year.

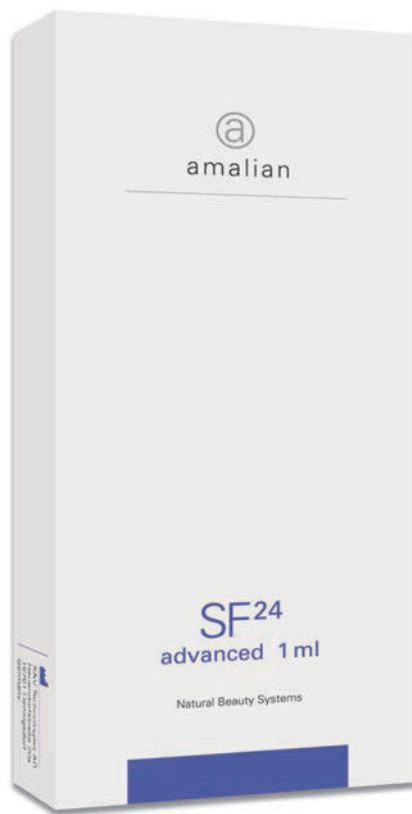
The comprehensive amalian THERAPY CONCEPT ensures good treatment results

Monophasic and biphasic amalian fillers

The amalian monophasic fillers of the "LT" range are specially recommended for patients about to undergo their first treatment with tissue fillers or patients who underwent several treatments in the past with fillers other than amalian. The amalian Soft Filler "SF" products are aimed at the lesser experienced physicians and more complicated patients. amalian soft fillers are recommended for extremely sensitive patients, when injections with more durable products can potentially lead to late immune reactions.

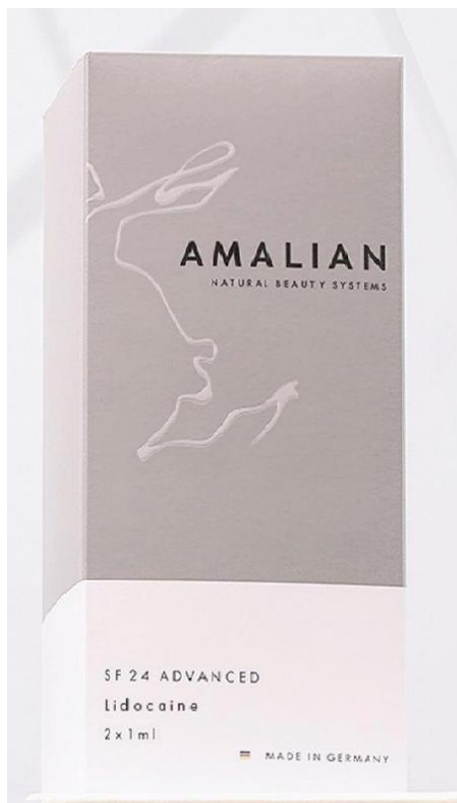
For the experienced physician the "expert" line offers the opportunity to achieve a long-lasting effect with the application of very small amounts.





SF 24 advanced
soft cross-linked hyaluronic acid
24 mg/ml

amalian SF 24 advanced is a monophasic fully hydrated filler and an efficient volumizer with excellent biocompatibility. amalian SF 24 advanced is optimally suited for filling deep wrinkles, for scars correction and modeling facial contours. Skin unevenness (such as acne scars) are smoothed, nasolabial and marionette folds are visibly lifted. This filler is also highly suitable for long-lasting hand rejuvenation, which is best performed using a blunt cannula. It is also recommended to use a blunt cannula for cheek augmentation. amalian SF 24 advanced is injected into the middle to deep dermis.



New: amalian SF 24 advanced with Lidocaine
soft cross-linked hyaluronic acid
24 mg/ml

Now available with lidocaine

amalian SF 24 advanced is a fully hydrated monophasic injectable, it is an effective volumizer with excellent biocompatibility while ensuring patient comfort thanks to the addition of lidocaine. amalian SF 24 advanced is ideal for filling deep wrinkles, correcting scars and shaping the contours of the face. Skin irregularities (such as acne scars) are smoothed out, nasolabial and marionette folds are visibly reduced. This injectable is also very suitable for long-lasting rejuvenation of the hands, which is best achieved using a blunt-tipped cannula. It is also recommended to use a blunt tip cannula for cheek augmentation. amalian SF 24 advanced is injected into the middle to deep dermis.

The
amalian
Soft Filler
"SF"
product line

RESULTS after treatment with the Soft Fillers of the "SF" product line

	before	after
INDICATION: Lip augmentation (immediately after injection) amalian SF		
INDICATION: Lip augmentation (after 6 weeks) amalian SF		
INDICATION: marionette folds (immediately after injection) amalian SF 24 advanced		

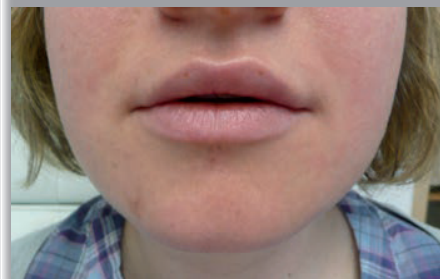
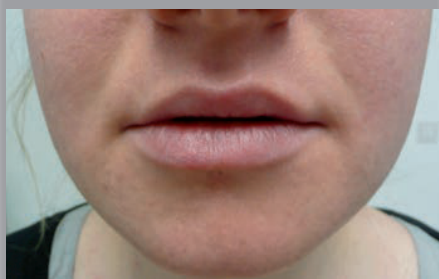
before

after

INDICATION:
Naso nasolabial
folds

(immediately after injection)

amalian SF 24



INDICATION:
marionette folds

amalian SF 24 advanced



INDICATION:
marionette folds
mild lip augmentation

(immediately after injection)

amalian SF 24



amalian

The
monophasic
amalian
"LT"
product line



amalian balance
non-cross-linked hyaluronic acid
12 mg/ml

This monophasic gel with high molecular weight was specifically developed for skin rejuvenation, bio-revitalization and hydration of the face, décolleté, neck and hands. amalian balance can be injected with a 32 G cannula or with a gun, which allows for quick, even and simple injections into the upper dermis. Aged and dry skin areas should be treated by applying several "micro depots" of amalian balance gel into the upper dermis.

Skin rejuvenation is activated through moisture release to the epidermis and dermis, thus restoring the moisture balance of the skin. Mesotherapy treatments should be performed three times at two-week intervals. For rejuvenation of the skin a follow-up treatment every four to six months is recommended.



amalian LT smoothline
cross-linked hyaluronic acid
8 mg/ml

Cross-linked hyaluronic acid gel to smooth age related fine lines, vertical lip lines, crow's feet, forehead lines and fine glabellar wrinkles. Tear troughs can also be treated using a simple technique with this very soft and liquid filler, which has the ability to distribute evenly in the tissue to achieve very natural results. For the best results, the gel should be injected into the upper to middle dermis. This product is also suitable for touch-up treatment after correction with amalian I LT active or amalian II LT intense.

Needle size: 30 G. In the treatment of tear troughs subcutaneous* injections are placed outside the orbital area.

* amalian products are clinically tested and are registered for intradermal applications only.

The
monophasic
amalian
"LT"
product line



amalian II LT intense
cross-linked hyaluronic acid
24 mg/ml

This monophasic hyaluronic acid gel is perfectly suited for the lifting of nasolabial and marionette folds, for smoothing out uneven skin (e.g. acne scars) and for moderate facial contouring. amalian II LT intense should be injected into the deep dermis. The gel's viscoelastic profile makes it very fluid and easy to inject. Once injected, it becomes viscous again and an immediate volume augmentation of the skin occurs. Facial areas treated with amalian II LT intense look smooth, lifted and fresh. The results obtained with amalian II LT intense lasts up to 9 months. This gel is easy to inject and is suitable for nearly all applications, except the glabella.

RESULTS after treatment with the monophasic "LT" product line

	before	after
INDICATION: perioral lines amalian I LT gentle, 1 ml		
INDICATION: orbital augmentation amalian LT gentle, 0.7 ml		
INDICATION: orbital augmentation amalian LT gentle, 0.5 ml		

The specific CIS TECHNOLOGY of the biphasic amalian fillers

Special manufacturing

To delay the natural degradation in the skin, the hyaluronic acid is stabilized. For this purpose, reactive side groups are linked to suitable bridge molecules. However, the hyaluronic acid loses its water solubility as a consequence.

Through application of the specific CIS Technology (Core-in-shell) the insoluble stabilized hyaluronic acid molecules are successfully dispersed in a solution of high-molecular linear hyaluronic acid, in such a way that a homogenous gel with a three-dimensional space-occupying network structure and excellent water retention capacity, high structural viscosity and strong thixotropy originates. Thixotropy means that even when exposed to only low shear force the gel's viscosity decreases but is quickly restored upon discontinuation of the shear force. The unique innovative characteristics of the biphasic amalian fillers are based on this special technology.

The characteristic of the biphasic amalian fillers is that they are easy to inject disregarding their high structural viscosity, while the volume effect is quickly restored in the skin. The wrinkle filling effect occurs immediately after injection of the gel.

Furthermore, compared to other hyaluronic acid dermal fillers, the CIS Technology allows the use of considerably lower concentrations but a strong volumizing effect is still achieved.

Owing to the special characteristics of the biphasic amalian hyaluronic acid fillers, the gel material should be injected deeper than the monophasic amalian hyaluronic acid fillers or other hyaluronic acid products on the market.

Depending on the condition in the individual patient the effect of the biphasic amalian fillers in the skin can last up to 12 months.

The advantages of amalian expert, manufactured with the pioneering CIS Technology (patent pending):

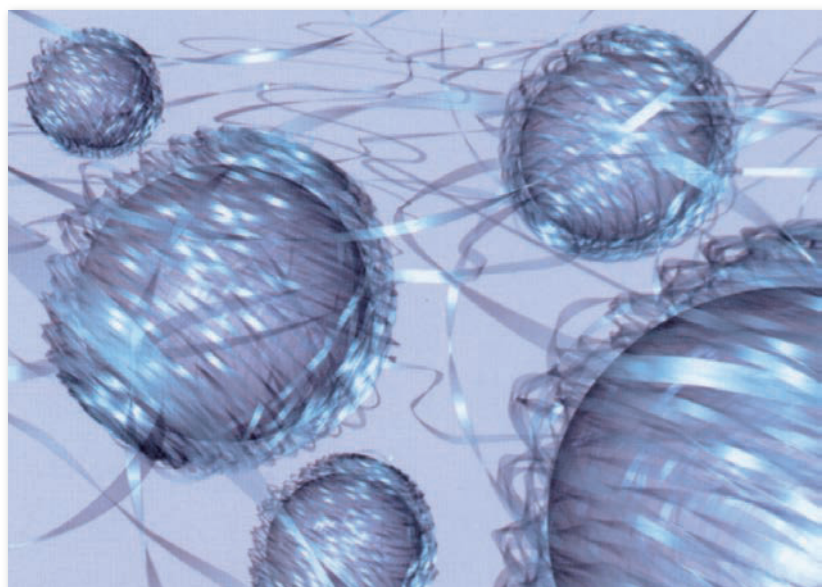
- very well tolerated
- good distribution in the tissue
- long-lasting esthetic results of up to 12 months
- excellent volumizer
- less material needed
- hydrophilic

amalian –
developed by an expert team of
research & development scientists

S&V Technologies GmbH with its office near Berlin, Germany, is a young and dynamic company that employs a highly motivated team of experts with comprehensive knowledge in the research and development of new biomaterials.

The aim of S&V Technologies GmbH, which is built on the synergy of the team's competence and the ingenuity of nature, is to develop innovative products for patients and practitioners in the area of esthetic medicine.

All products are "Made in Germany" and meet the highest quality and safety requirements for patients and physicians.



Pioneering and unique:

CIS Technology

Owing to the "Core-in-shell" structure, a stable core of highly cross-linked hyaluronic acid is formed which is surrounded by long-chained non-cross-linked hyaluronic acid in a three-dimensional network.



amalian

the
biphasic
amalian
"expert"
product line



amalian I expert premium

biphasic, highly cross-linked
hyaluronic acid
8,4 mg/ml

amalian I expert premium is very well suited for fine to medium wrinkles as well as superficial lines and indications in sensitive areas (e.g. glabella). This almost homogenous gel distributes easily in the tissue, gives a natural look and leads to very good results. Due to the high effectiveness of amalian I expert premium, smaller quantities should be injected into deeper skin layers to achieve a long-lasting effect.

amalian I expert premium can be used for touch-up treatment after injections with amalian II expert effect.

the
biphasic
amalian
"expert"
product line



amalian III expert volume
biphasic, highly cross-linked
hyaluronic acid
24 mg/ml

amalian III expert volume is a strong biphasic filler for volume replenishment of the face. This highly efficient gel is ideally suited for augmentation of the cheeks in cases of lipodystrophy (liquid lifting), for chin contouring, for filling of the mandibular line and wrinkle correction in deep nasolabial and marionette folds. Due to its high effectiveness, amalian III expert volume is to be injected in smaller quantities compared to all monophasic hyaluronic acid fillers. The recommended dose is one third of the usual injection quantity. This gel must be injected into the deep dermis or subcutis* to achieve the best result. It is recommended to inform the patient that swelling of a duration of up to 4 days may occur after treatment with amalian III expert volume.

* amalian products are clinically tested and are registered for intradermal applications only.

RESULTS

after treatment with the
biphasic "expert" product line

	before	after
INDICATION: nasolabial fold amalian II volume effect, 1 ml		
INDICATION: chin augmentation amalian III expert volume, 2 ml touch-up treatment after 2 weeks amalian III expert volume, 2 ml		

INDICATION:
marionette lines

amalian I expert premium, 1 ml

before

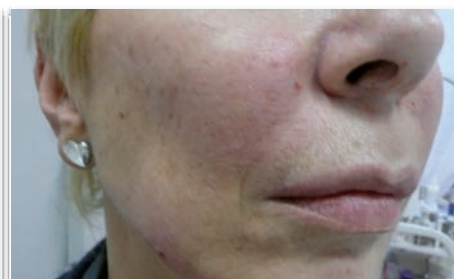


after



INDICATION:
cheek augmentation

amalian III expert volume, 1 ml



amalian

TIPS AND TRICKS

- Take the time to sit with your patient before the treatment, in order to plan it together. Sit with your patient after the treatment in order to review the effects and to explain what they may experience.
- Make sure your patient has completed a declaration of health (medical history) to avoid any unnecessary risks. If the patient has flue symptoms, do not inject. The risk of an immunological reaction is high under such conditions.
- Tunneling technique is more traumatic and has a higher risk of causing haematoma.
- Taking “before and after” photos will help the patient better assess the improvement of the wrinkles after the treatment. Take pictures before using anaesthesia, since it may affect the way the wrinkles look.
- Follow the lines of the wrinkles and inject the material along them whilst retracting the needle. Use simple, gentle injection techniques and inject slowly.
- Plan your injection schedule and select the suitable product and make sure you select the appropriate product and volume before beginning the treatment.
- Using anaesthesia – either by injection or by topical cream is highly recommended to ensure patient comfort during and after the treatment. It is recommended to use anaesthesia without adrenaline to shorten the duration and prevent any potential reaction to heart beat.
- Sitting your patient in an upright position with the natural effects of gravity will help you assess their wrinkles correctly. It is specifically recommended to do this when injecting anaesthesia, since the area may swell a little.
- Massaging the injected area can give better results as it will improve the spread of the material in the tissue.
- During the touch-up sessions, you can use the same previous injection points to prevent further trauma to the tissue.
- After injection, we recommend that you use the special amalian Hyaluronic acid serum, specially developed to smooth the skin.





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