SYSTEMATIC HYALURONIC ACID GELS

Natural Beauty System for skin rejuvenation, wrinkle correction, and restoring of facial volume and contours

@ amalian

Physician Information
amalian hyaluronic acid system

THE UNIQUE FILLER CONCEPT
for facial aesthetics

MADE IN GERMANY

Tailored to meet individual needs

The amalian range of products with innovative mono-
and biphasic formulation were designed by a team of
experts to meet the needs of physicians and fulfill the
expectations of patients. amalian LT monophasic soft
gels were formulated by fine tuning hyaluronic acid
(HA) concentration and cross-linking density to
achieve an optimal viscoelastic profile.
Treatments performed with amalian LT are gentle and
straightforward. amalian LT gels are fully
homogeneous and equilibrated allowing an
exceptional smooth and controlled injection. The
formulations of amalian LT are well tolerated showing
an ideal integration in the dermis. Faces treated with
amalian LT show no swelling. With amalian LT soft
gels you can smooth fine lines, fill wrinkles, folds and
reshape lips.
amalian expert is an outstanding facial volumiser
based on the CIS technology (patent pending). The
“Core-in-Shell” formulation with cores of cross-linked
hyaluronic acid (HA) suspended in natural HA fluid
phase was designed to give immediate and visible
results by applying small gel spots into the deep
dermics. With amalian expert you can restore facial
volume of cheeks and chin, lift deep folds and
remodel facial contours.

All amalian hyaluronic acid gels are exclusively made
of highly purified, protein-free hyaluronic acid obtained
from bio fermentation that is free from animal
components. As CE certified sterile medical devices, all
amalian hyaluronic acid gels meet the highest German
and international quality requirements and guarantee
absolute sterility as well as the absence of endotoxin
and protein.

Special Properties

The innovative manufacturing method of amalian
hyaluronic acid gels was developed on the basis of more
than 20 years of experience in the manufacturing of sterile
hyaluronic gels to be used in ophthalmic surgery and is
characterized by very specific properties:

- ultrapure hyaluronic acid
- easy to inject due to high thixotropy
- homogenous distribution in the skin
- moderate to strong volumizing effect depending on the
  selected product
- excellent flow properties
monophasic and biphasic tissue fillers based on cross-linked hyaluronic acid

The monophasic product line
“LT“

SOFT CROSS-LINKED MONOPHASIC PRODUCT LINE “LT”:
amalian LT smoothline, amalian I LT active, amalian II LT intense and amalian LT beauty lips are soft cross-linked hyaluronic acid gels and through a slow and controlled cross-linking procedure an extremely homogeneous result is obtained.

- soft cross-linked hyaluronic gel
- duration in the skin depending on the concentration and on the cross-linkage degree
- easy to use
- gentle injection
- smooth aesthetic results

MESOTHERAPY - amalian balance:
This product is a homogeneous gel of linear, non cross-linked hyaluronic acid and is indicated for rejuvenation of face, neck, décolleté and hands. amalian balance restores skin hydration from within and improves its structure and elasticity. Well hydrated skin looks fresh and younger and is less prone to wrinkle formation.

- non cross-linked hyaluronic acid gel
- fast enzymatic degradation, therefore repeated treatment: 3 times every 2 weeks

The biphasic surgical product line
“expert“
The amalian expert products are biphasic hyaluronic acid gels, based on the innovative “Core-in-Shell (CIS) technology” (pat. pend.). The core is built by highly cross-linked hyaluronic acid microparticles. The shell is non-cross-linked hyaluronic acid, which in addition to spreading between and coating the core gel particles also functions as a facilitator to the injection. The long chains of non-cross-linked hyaluronic acid molecules become entangled around the core particles and form protective layers around the surface of the core particle. This specific combination of highly cross-linked and non-cross-linked hyaluronic acid provides a major differentiating factor between amalian and other marketed hyaluronic acid dermal filler.
The amalian expert dermal fillers are truly biphasic, consisting of soluble linear hyaluronic acid and non soluble highly cross-linked hyaluronic acid particles, creating homogeneous gels which are easy to inject and are characterized by a high water uptake and long-lasting effect.
HYALURONIC ACID
Nature’s most powerful moisturizer
The secret to beautiful, youthful skin

Biological activities

- serving as diffusion medium for nutrients and degradation products
- regulating moisture
- increasing fibroblast activity
- stimulating collagen synthesis
- binding free radicals

Hyaluronic acid is a natural substance which exhibits a fascinating and complex behaviour in human tissues. It is a major component of skin’s extracellular matrix. Together with elastin and collagen, hyaluronic acid forms a scaffold meshwork, which sustains the structural and physiological integrity of skin.

Water retention is one of the most important biological functions of hyaluronic acid. Its remarkable moisture storage capacity, HA can bind 1000 times its weight in water, gives skin tissue volume and softness. Young skin is rich in hyaluronic acid looking tight, tender and fully hydrated. With the onset of ageing, hyaluronic acid breaks down and the cellular synthesis of it slows down leading to a drop of the total level of HA. The moisture balance in the skin gets impaired. As the time goes by, skin gets dry, lines and wrinkles appear, cheeks get hollow, lips get thin and facial contours sink. The face looks tired. Rejuvenation, wrinkle filling and remodelling of facial contours are gentle dermal treatments. The skin gets enriched in hyaluronic acid giving the face its youthful look back again.

amalian – hyaluronic acid of biological origin
amalian products are made of hyaluronic acid obtained from a natural and non-genetically modified bacterial stem. This hyaluronic acid can be described as an ultrapurified gel of high molecular weight which is free of endotoxins and animal components. amalian is clinically proven to be highly effective and well-tolerated.

Hyaluronic acid is a polydisaccharide (complex sugar) built from two disaccharide units, glucuronic acid and N-acetyl glucosamine. Hyaluronic acid is found in almost every cell in the human body. 50 percent of the entire hyaluronic acid in the body is concentrated in the skin. In the extracellular matrix, hyaluronic acid performs a range of biological functions.
The unique innovative amalian monophasic
“LT” PRODUCT LINE

The monophasic hyaluronic acid fillers amalian LT smoothline, amalian I LT active, amalian II LT intense and amalian LT beauty lips are homogenous gels of soft cross-linked hyaluronic acid. The non dissolvable hyaluronic acid particles are due to the special manufacturing technology homogenously dispersed in a buffer solution resulting in a clear and smooth gel, which is easy to inject. Each formulation of amalian LT was individually customised for the indication of use. The concentration of hyaluronic acid and cross-linking density of each gel were tuned to target an optimal viscoelastic profile. The injection flow of amalian LT is extremely smooth. Once in the dermis amalian LT gels match perfectly in the dermis matrix providing natural lifting results.

The monophasic amalian LT gels are optimally suitable for fine to moderate wrinkles and folds, for mild to stronger lip augmentation and for the vermilion border. amalian LT smoothline should be used for the glabella and on top of amalian expert products if an additional treatment is necessary (touch up after 14 days). The amalian LT products are “all-rounder” fillers, easy to use, gentle injection gives smooth aesthetic results and are suitable for almost every treatment.
amalian balance
12 mg/ml, non-cross-linked HA

Natural linear hyaluronic acid gel for
for improving skin hydration. This
monophasic gel contains linear,
non-cross-linked hyaluronic acid of
high molecular weight. It was
especially developed for rejuvenation,
bio revitalizing and hydration of face,
décolleté, neck and hands. amalian
balance can be injected using a 32 G
cannula or a gun, which allows quick,
even an uncomplicated injection
into the upper dermis. Aged, dry skin
areas should be treated by applying
multiple “micro-deposits” of amalian
balance gel in the superficial dermis.
Rejuvenation is activated by release
of moisture into the epidermis and
dermis, restoring skin’s hydrolance.
It is recommended to repeat
mesotherapy treatments three times
at two-week intervals. Touch-up
treatments should be performed
every four to six months for long
lasting skin rejuvenation.

amalian LT smoothline
8 mg/ml, soft cross-linked HA

Soft cross-linked hyaluronic acid gel
designed to smooth age related fine
lines, vertical lip lines, crow’s feet,
forehead lines and glabella. Tear
troughs can also be easily lifted with
this very soft and liquid filler which
distributes very smoothly into the
tissue for natural results. For getting
effective smoothing results, the gel
should be injected in the upper to
middle layer of skin. Also used as
touch up after treatment with amalian
LT active or LT intense.
Cannula size: 30 G. For tear troughs,
subcutaneous* injections are placed
outside the orbital area.

* amalian devices have been
clinically tested and approved for
intradermal applications only.
amalian I LT active
16 mg/ml, soft cross-linked HA

This monophasic soft cross-linked hyaluronic acid gel is well suited to correct fine to medium lines and soft wrinkles and is injected into the upper to middle layer of the skin. Injections performed with amalian I LT active are gentle thanks to the excellent flow properties of the gel. amalian I LT active is optimal for gentle lip augmentation and on top of amalian expert products if an additional treatment is necessary (touch-up after 14 days). No swelling is observed at the injection area. Usually the augmentation effect lasts for 5 to 6 months.

amalian II LT intense
24 mg/ml, soft cross-linked HA

Monophasic soft gel designed to lift middle to deep wrinkles and folds. The formulation is most suited for lifting nasolabial folds and marionette lines, smoothing skin depressions (e.g. acne scars) and moderate reshaping of facial contours. amalian II LT intense gel is injected in the deep dermis. The viscoelastic profile of the gel was fine-tuned to be injected easily and once in the dermis regains viscosity to instantly restore the skin’s volume. Facial areas treated with amalian II LT intense look smooth, plumped up and soft. Aesthetic results achieved with amalian II LT intense last up to 6 months. This gel is easy to inject and can be used for almost every application with the exception of the glabella.

amalian LT beauty lips
22 mg/ml, soft cross-linked HA

amalian LT beauty lips is a new monophasic soft gel designed to satisfy the needs of lips tissue. This extra smooth gel was formulated to enhance lips fullness and contours. For getting beautiful and natural looking lips, it is recommended to place symmetrically five tiny gel spots in the lips. A gentle modelling after injection followed by a short cooling helps to manage and minimise swelling and in most cases, this will recede over the next 2 days. Enhanced lips treated with amalian LT beauty lips last up to 6 months. If the patient wishes, a touch up treatment may be given at the follow up examination.
RESULTS

with the monophasic product line “LT”

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amalian expert gel – highly cross-linked hyaluronic acid is formulated with the pioneering CIS technology (pat. pend.).

The unique CIS technology makes amalian different from other products made of cross-linked hyaluronic acid. This inventive “Core-in-Shell” structure forms a stable core of highly cross-linked hyaluronic acid, surrounded by long chains of non-cross-linked hyaluronic acid like a protective shell. This structure delays the degradation of hyaluronic acid by hyluronidase, and helps to prolong the effects of treatment. Due to this space properties, all amalian expert gel have to be injected in smaller quantities and deeper than standard HA gels.

The CIS technology also has a crucial positive impact on the viscoelasticity and profile of the gel: When no pressure is applied, the gel is viscous and exhibits excellent augmentative effects, but when injected into the skin it will liquefy under the injection stress. Once injected, the hyaluronic acid will “bounce back” into its original framework which makes it a perfect, persistent wrinkle filler for dermal tissues.

Benefits of amalian expert with the pioneering CIS technology (pat. pend.)

- safe and well tolerated
- disperses well in the tissues
- long-lasting aesthetic results for up to 12 months
- excellent volumiser
- less material required
- hydrophilic

amalian - designed by a team of specialists in our state-of-the-art facility located near Berlin. We are a young and dynamic German company comprised of a team of experts who have industry-leading skills and a strong commitment to research and development of novel bio-materials. Skin & Vision aims to leverage team expertise with nature’s intelligence to successfully design innovative devices to cover unmet needs of patients and health care providers in medical aesthetics. All products are “Made in Germany” and meet the highest quality and safety requirements for patients and physicians.
amalian I expert premium
8.4 mg/ml, highly cross-linked HA

Highly cross-linked hyaluronic acid gel for filling fine to medium wrinkles. This biphasic highly cross-linked hyaluronic acid gel, also suited for fine to medium lines and soft wrinkles is injected into the middle layer of the skin. This homogeneous gel distributes easily in the tissue and creates a natural look with satisfying results. Due to the specific CIS-Technology amalian I expert premium lasts up to 12 months. To achieve the long lasting effect, it has to be injected in smaller doses and in deeper layers of the dermis compared to the soft cross-linked amalian I LT active.

amalian II expert effect
24 mg/ml, highly cross-linked HA

This highly cross-linked biphasic hyaluronic acid gel is suitable for medium to deep wrinkles and folds, for acne scars and vermilion border. This gel has to be injected into the middle to deep dermis and requires less material than any other hyaluronic acid gels to achieve a long lasting effect that should last up to 12 months. The high effectiveness of amalian II expert effect is due to the specific CIS-Technology which creates a homogeneous gel and is characterised by high water uptake and retention in the tissue. The degradation of the highly cross-linked hyaluronic acid particles is inhibited by the chains of linear hyaluronic acid. To avoid swelling, under-correction is recommended, followed by a touch-up session two weeks later with amalian II expert effect or amalian II LT intense.
amalian III expert volume
24 mg/ml, highly cross-linked HA

Biphasic gel designed to restore age-related facial volume loss and contours. This formulation is excellent for cheek and chin augmentation, and for recapturing the jawline. This gel can be used for medium to very deep wrinkles and folds. It is also recommended for lypodistrophy or “liquid lifting”. amalian III expert volume is applied into the deep dermis and should be used in smaller quantities like the other “expert line” products. Enhancements of facial volume and contours achieved with amalian III expert volume can last up to 18 months.

amalian lips expert
24 mg/ml, highly cross-linked HA

Highly cross-linked hyaluronic gel. amalian lips expert as a special product for strong lip augmentation. amalian lips expert should be applied very economically with a minimum of injection points. A follow up treatment is advisable. Patients should be informed that lip augmentation with amalian “lips expert” may cause swelling, which can last 3-4 days. For fine to medium lip augmentation, amalian I LT active or amalian II LT intense should be used. As with all the other “expert line” amalian gels, this product benefits from high effectiveness and lasts for up to 12 months.
RESULTS

with the biphasic product line

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<th>INDICATION: nasolabial fold</th>
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<td>amalian III expert volume, 2 ml touch up after 2 weeks amalian III expert volume, 2 ml</td>
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The unique amalian therapy concept

The combination of amalian LT monophasic and expert biphasic products provides a complete portfolio, which can be used for every required treatment. The expert line gives the ability to have long-lasting treatments with less material, provided the hyaluronic acid gels are used according to the instructions. The expert line must be injected deeper and in much smaller volumes compared to other fillers currently on the market. For the best results, 30% less material should be injected compared to the more traditional fillers available in the market.

Clinical experience proves

- The expert product line has a very good lifting capacity
- It lasts longer than any other hyaluronic acid filler
- It is easy to inject
- The LT product line as an “all rounder“ filler, which is easy to inject and can be used for virtually any treatment
- All amalian hyaluronic acid gels are highly purified and of non-animal source
- Proven high patient satisfaction
TIPS AND TRICKS

for optimal results

- 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.