




ALAYNA

Systematic Hyaluronic Acid Gels

Skin rejuvenation, wrinkle correction,
volume augmentation and modeling

MEDICAL
BSC
DEVICES



The ALAYNA hyaluronic acid system

Comprehensive therapy concept

The innovative biphasic and monophasic ALAYNA hyaluronic acid gels give you the option to individually treat your patients with a comprehensive therapy concept and to achieve long-lasting, visible results. You can choose among 9 different fillers in different concentrations for the treatment of fine, moderate as well as deep wrinkles, from lip augmentation to facial contouring and scar treatment, which perfectly complement each other.

Two different **monophasic ALAYNA hyaluronic acid gels** allow an easy and uncomplicated injection in nearly all indications including moderate lip augmentation.

The „SG“ line with fully hydrated particles, with shorter residence time and uncomplicated application.

The „M“ line with longer residence time and stronger volume effect.

The **biphasic ALAYNA hyaluronic acid gel** ensures a long-lasting effect and requires the use of less material owing to the novel CEIP technology.

Further, the monophasic, unlinked ALAYNA Hydro is optimally suited for revitalization of face, neck, cleavage and hands as well as for the so-called mesotherapy.

All ALAYNA hyaluronic acid gels are exclusively made of highly purified hyaluronic acid, which is obtained through biofermentation and is free from animal components.

As CE and GMP certified sterile medical devices all ALAYNA hyaluronic acid gels comply with the highest German and international quality requirements and ensure absolute sterility as well as the absence of endotoxins and proteins.

Based on the option to choose the product which suits your patients best from a series of different products ALAYNA offers you an optimal and future-oriented therapy concept.



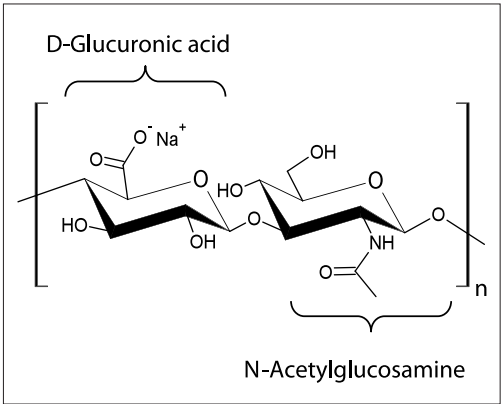
Special characteristics of the ALAYNA gels

The innovative manufacturing method of the ALAYNA hyaluronic acid gels is based on more than 20 years of experience in the manufacturing of sterile hyaluronic acid gels for use in ophthalmic surgery and is characterized by very special properties:

- highly purified hyaluronic acid
- easy injectability disregarding high structural viscosity
- homogenous distribution in the skin
- excellent flow characteristics

In addition, all ALAYNA hyaluronic acid gels offer the complete range of benefits of a sophisticated hyaluronic acid treatment:

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



Chemical structure of hyaluronic acid

Hyaluronic acid is a polydisaccharide (complex sugar) which consists of two disaccharide units, glucuronic acid and N-acetylglucosamine. Hyaluronic acid exists in nearly all cells of the human body. 50 percent of the endogenous hyaluronic acid are found in the skin. In the extracellular matrix hyaluronic acid takes on numerous biological functions.

All ALAYNA products are being developed and manufactured in Germany.



The ALAYNA product portfolio

The monophasic products: ALAYNA M and ALAYNA SG

The ALAYNA product line offers two different monophasic, lowly cross-linked fillers: ALAYNA SG and ALAYNA M.

The ALAYNA SG products

The ALAYNA Soft Gel product line SG is characterized by a soft, fully hydrated texture which can be injected easily and without much resistance. The gel distributes quickly and evenly in the injected area and leads to an immediately visible volume effect.

Owing to a special manufacturing method the insoluble particles originating from cross-linkage of the linear hyaluronic acid chains are fully hydrated, so that each particle is surrounded by a stable aqueous shell.

As a result, these soft particles do not take up water from the tissue after injection, so that no swelling originates. Owing to the gel's space-occupying characteristics the intended volumizing effect occurs immediately.

Four different concentrations offer the possibility to achieve an optimal result, from mild augmentation of fine wrinkles to strong volume augmentation e.g. in the cheek area:

ALAYNA SG 16 Smooth
ALAYNA SG 20 Basic
ALAYNA SG 24 Distinct
ALAYNA SG 14 Smart lips

The ALAYNA SG products' duration of effect varies depending on the concentration. All ALAYNA Soft Gels allow a quick, uncomplicated wrinkle treatment which usually does not lead to side-effects.

The ALAYNA SG products offer uncomplicated first experiences with wrinkle treatment with hyaluronic acid fillers. ALAYNA SG products are especially recommended for extremely sensitive patients where injections of products with hard particle structures and longer duration of effect may lead to late immune reactions.

The ALAYNA M products

The monophasic hyaluronic acid fillers of the M line are homogenous dispersions of lowly cross-linked hyaluronic acid in buffer solution. Four different concentrations allow an individual treatment with a very good esthetic result:

ALAYNA M 8 Gentle
ALAYNA M 16 Medium
ALAYNA M 24 Shape
ALAYNA M 22 Lip enhance

Owing to the special manufacturing technology the insoluble hyaluronic acid particles distribute homogeneously in the buffer solution, so that a clear, soft gel originates which is easy to inject.



The biphasic product ALAYNA HE and the linear gel ALAYNA Hydro

The ALAYNA HE product

In addition to the monophasic ALAYNA hyaluronic acid gels a HE (highly effective) product is available for experienced users. This gel was especially developed for experienced users and requires a special injection technique.

ALAYNA HE 24 Repair

The effect of this biphasic cross-linked hyaluronic acid gel which consists of cross-linked hyaluronic acid particles in a linear hyaluronic acid gel is considerably prolonged. The patient should be informed in detail prior to treatment, especially of the potential stronger swelling within the first 3 days.

The ALAYNA HE product is also excellently suitable for scar treatment and facial contouring. Due to the specific galenics only about one third of substance is needed to achieve a good result compared to other preparations in the market.

The biphasic ALAYNA gel is easy to inject regardless of its high structural viscosity, whereas the volume effect quickly returns in the skin, so that especially the wrinkle filling effect occurs directly after injection of the gel.

Compared to other tissue fillers on hyaluronic acid basis the innovative CEIP technology further permits the use of considerably lower concentrations while ensuring a strong volumizing and long-lasting effect at the same time. Due to the special texture of the biphasic ALAYNA hyaluronic acid gel the filler material must be injected deeper than the monophasic ALAYNA hyaluronic acid gels and other hyaluronic acid products in the market.

Depending on the individual conditions in the patient the biphasic ALAYNA gel remains effective in the skin for up to 18 months.

The ALAYNA HE product offers the user a long-lasting effect after an application of only little material.

The ALAYNA Hydro product

Furthermore, the ALAYNA hyaluronic acid system includes the linear monophasic product ALAYNA Hydro.

ALAYNA Hydro

This gel with a high molecular weight is especially suited for biorevitalization and hydration of face, neck, cleavage and hands as well as for the so-called mesotherapy.

Skin rejuvenation is activated through the release of moisture to the epidermis and dermis, which restores the skin's moisture balance.



Hyaluronic acid

more than a cellular glue

Natural moisturizer

Hyaluronic acid is a simply built polysaccharide whose basic building block is glucosaminoglycan, a disaccharide of glucuronic acid and acetylglucosamine. Hyaluronic acid is responsible for important cytobiological functions through interaction with the cells and regulation of the intracellular signal transfer. Hyaluronic acid exists ubiquitously in the human body, amounting to 15 g in a person with a body weight of 70 kg, with 5 g

being exchanged per day. In the skin hyaluronic acid is found in the limited extracellular space in the epidermis with a concentration of 2 mg / ml, i.e. highly concentrated, and surrounds the keratocytes. Hyaluronic acid is responsible for regulation of the 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 compensates the transepidermal moisture loss, the skin looks youthful and fresh. In esthetic dermatology hyaluronic acid is considered as the gold standard and has been used for wrinkle treatment, filling of tissue defects and follow-up treatment of scars for a long time.

Results

with ALAYNA hyaluronic acid gels

	before	after
INDICATION: perioral lines ALAYNA M 16 Medium		
INDICATION: marionette lines mild lip augmentation ALAYNA SG 20 Basic		
INDICATION: nasolabial fold ALAYNA SG 24 Distinct		
INDICATION: tear trough ALAYNA M 8 Gentle		
INDICATION: chin augmentation ALAYNA HE 24 Repair		

ALAYNA SG

Monophasic Soft Gel Filler with
fully hydrated hyaluronic acid

A L A Y N A SG 16 Smooth

16mg/ml cross-linked hyaluronic acid gel

INDICATIONS:

- fine lines and wrinkles
- laugh lines
- forehead lines
- mild nasolabial folds and marionette lines
- vermillion border
- hand augmentation



available in 1 ml and 2 ml

This gentle hyaluronic acid gel for mild augmentation is optimally suited for fine lines and wrinkles, the vermillion border, forehead lines, crow's feet, mild nasolabial folds and marionette lines.

This fully hydrated gel distributes evenly in the tissue, can be injected easily and gently and results in a fresh, youthful and natural look.

Like all SG products ALAYNA SG 16 Smooth demonstrates an excellent biocompatibility. Side-effects, such as swelling, can almost be excluded. Injection should be made into the upper to medium dermis.

ALAYNA SG 16 Smooth is also ideally suited for a touch-up treatment after injection of the stronger product ALAYNA SG 24 Distinct. In this way the volumizing effect is increased and the residence time in the skin is prolonged.

Cannula size: 27 G

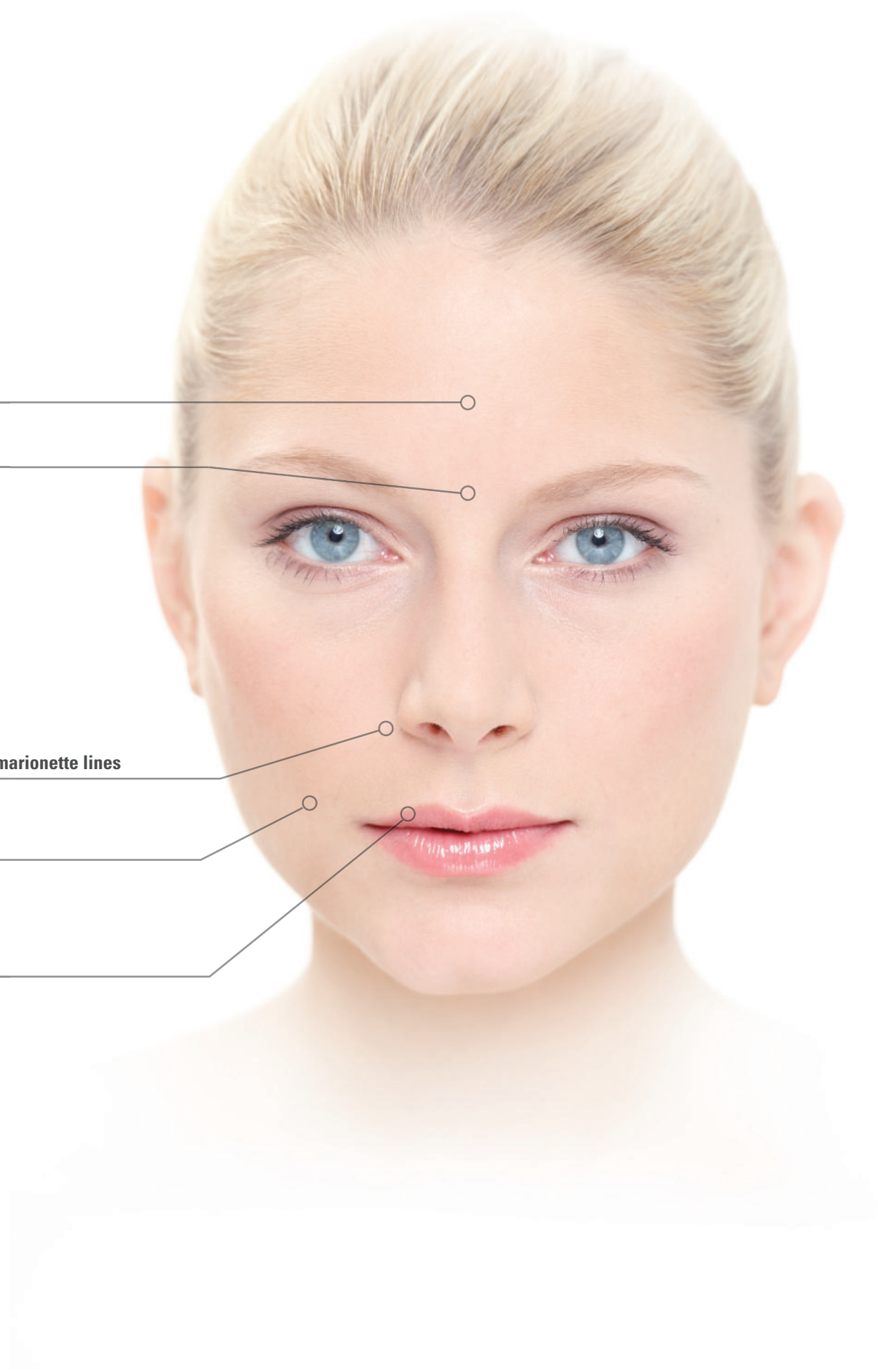
fine forehead lines

glabella

mild nasolabial folds and marionette lines

laugh lines

vermilion border



ALAYNA SG

Monophasic Soft Gel Filler with
fully hydrated hyaluronic acid

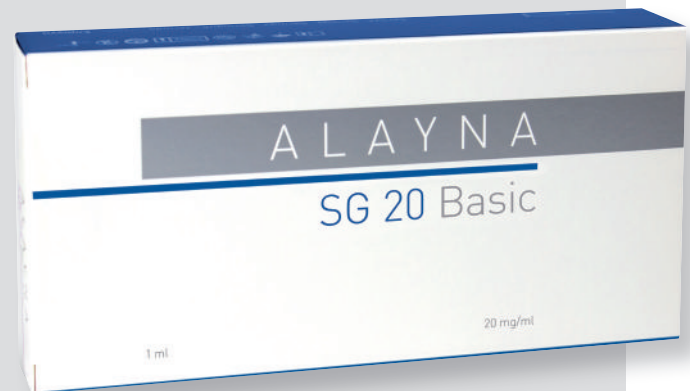
A L A Y N A SG 20 Basic

20mg/ml cross-linked hyaluronic acid gel

INDICATIONS:

- medium lines and wrinkles
- nasolabial folds
- marionette lines
- moderate scars
- stronger perioral wrinkles
- neck wrinkles
- cleavage
- CONTRAINDICATED FOR GLABELLA

available in 1 ml and 2 ml



This hyaluronic acid gel is an „allround“ filler for injection into moderate wrinkles and is injected into the upper to middle layer of the skin. Thanks to the gel’s excellent flow characteristics injections with ALAYNA SG 20 Basic are very gentle and atraumatic. The result is a natural lifting effect.

This fully hydrated gel is suited for nearly all applications except for the glabella. Owing to the soft texture the gels distributes homogenously in the skin, evenly fills the wrinkles and creates an immediately visible effect. ALAYNA SG 20 Basic can also be used for medium lip augmentation with a very good success. As well, this soft gel can be used for touch-up treatment following injection of ALAYNA SG 24 Distinct for an optimization of the result.

Cannula size: 27 G



nasolabial folds

stronger perioral wrinkles

marionette lines

neck wrinkles

cleavage

ALAYNA SG

Monophasic Soft Gel Filler with
fully hydrated hyaluronic acid

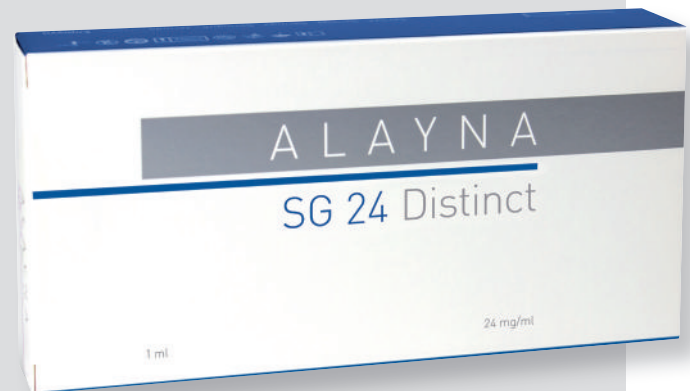
A L A Y N A SG 24 Distinct

24mg/ml cross-linked hyaluronic acid gel

INDICATIONS:

- moderate to deep wrinkles
- correction of facial unevenness
- volumization of facial defects
- deeper scars
- nose bridge corrections
- cheek augmentation
- CONTRAINDICATED FOR GLABELLA

available in 1 ml and 2 ml



ALAYNA SG 24 Distinct is a monophasic, fully hydrated gel, an efficient volumizer with excellent biocompatibility. ALAYNA SG 24 Distinct is optimally suited for the filling of deep folds, for scar correction and modeling of the facial contours. Skin unevenness, e.g. acne scars, is smoothed out, nasolabial folds and marionette lines are visibly lifted. This gel is also very well suitable for a long-lasting hand augmentation, which is best performed using a blunt cannula in these cases.

Also for cheek augmentation a blunt cannula is recommended. ALAYNA SG 24 Distinct is injected into the medium to deep skin layer. The results achieved with ALAYNA SG 24 Distinct are long-lasting.

Cannula size: 27 G

nose bridge correction

cheek augmentation

nasolabial folds

marionette lines



ALAYNA SG

Monophasic soft gel filler with
fully hydrated hyaluronic acid

A L A Y N A SG 14 Smart lips

14mg/ml cross-linked hyaluronic acid gel

INDICATIONS:

- mild lip augmentation



available in 0.5 ml and 1 ml

ALAYNA SG 14 Smart lips is a lowly concentrated gel for mild lip augmentation with the aim to fill lip lines, to make the lips look fuller and more youthful and to smooth the lip structure.

ALAYNA SG 14 Smart lips is ideally suited in cases where no strong lip augmentation is intended and rather the age-related volume loss is to be compensated and fine perioral lines are to be made invisible.

ALAYNA SG 14 Smart lips creates a natural look of youthful lips without changing the individual lip geometry. The effect of ALAYNA SG 14 Smart lips lasts for up to 6 months.

Cannula size: 27 G

mild lip augmentation



ALAYNA M

Monophasic hyaluronic acid filler with
an extraordinarily long-lasting effect

A L A Y N A M 8 Gentle

8 mg/ml cross-linked hyaluronic acid

INDICATIONS:

- fine lines and wrinkles
 - forehead lines
 - glabella
 - crow's feet
 - fine lip wrinkles
 - perioral lines
- vermilion border
- under eye circles
- lower eyelids
- touch-up treatment after treatment with ALAYNA M 16 Medium or ALAYNA M 24 Shape

available in 1 ml and 2 ml



ALAYNA M 8 Gentle is a lowly cross-linked gel which was especially developed for gentle wrinkle treatment. It distributes quickly in the tissue and creates a natural lifting effect. Especially the critical areas of the lower eyelids can be optimally filled with ALAYNA M 8 Gentle.

Injection is made subcutaneously at the margin of the orbital rim, best using a blunt cannula. The best result is achieved if ALAYNA M 8 Gentle is injected in a low concentration in these areas. The effect lasts for up to 12 months.

In all other areas ALAYNA M 8 Gentle is injected into the upper to middle dermis.

Cannula size: 27 G

acne scars (as touch-up treatment after treatment with ALAYNA M 16 Medium or M 24 Shape)
0.2 ml per scar

forehead wrinkles 0.3 – 0.7 ml

glabella 0.1 – 0.3 ml
very superficially

crow's feet 0.3 – 0.5 ml

under eye circles 0.3 – 0.5 ml per side

cheek wrinkles 0.5 – 1 ml per side

mild nasolabial folds (as touch-up treatment 2 weeks after treatment with ALAYNA M 16 Medium) 0.3 – 0.5 ml per side

fine upper lip wrinkles 0.5 – 1 ml
(depending on the number of wrinkles)

vermilion border 0.3 – 0.5 ml per lip

chin 0.3 – 0.5 ml per wrinkle
(depending on the length)

neck wrinkles 0.5 – 1 ml

ALAYNA HE

Biphasic hyaluronic acid filler –
„highly effective“

A L A Y N A HE 24 Repair

24mg/ml biphasic cross-linked hyaluronic acid gel

INDICATIONS:

- deep wrinkles
- strong volume augmentation, e.g. cheeks
- facial deformations
- mandibular line
- liquid lift
- lipoatrophy
- treatment of deep scars
- EXCLUSIVELY FOR EXPERIENCED USERS

available in 1 ml and 2 ml



ALAYNA HE 24 Repair is a strong biphasic filler for facial volume augmentation. This very efficient gel is optimally suited for cheek augmentation in cases of lipodystrophy (liquid lift), for chin contouring, for injection into the mandibular line and for wrinkle correction of deep nasolabial folds and marionette lines. Due to the high effectiveness ALAYNA HE 24 Repair must be injected in smaller quantities than all monophasic hyaluronic acid gels, the optimal volume is one third of the usual injection quantity.

This gel must be injected into the deep dermis or subcutis to achieve an optimal result. It is recommended to inform the patient that after application of ALAYNA HE 24 Repair swelling may occur which lasts for maximally 5 days. The volumizing effect lasts for up to 18 months.

Cannula size: 27 G

nose bridge augmentation 0.5 – 1 ml
do not exceed dosage recommendation
in one session

cheek bone augmentation
0.5 – 0.7 ml per side
do not exceed dosage recommendation
in one session

lipoatrophy (zygomatic area) 0.7 - 1 ml

nasolabial folds 0.5 – 0.7 ml per side

cheek augmentation 0.5 – 1 ml per side

mandibular line (chin/jaw contour)
0.5 – 1 ml per side

chin augmentation 0.5 – 1 ml
(volume depending on severeness of the defect)

ALAYNA HYDRO

Linear hyaluronic acid gel
for rejuvenation and mesotherapy

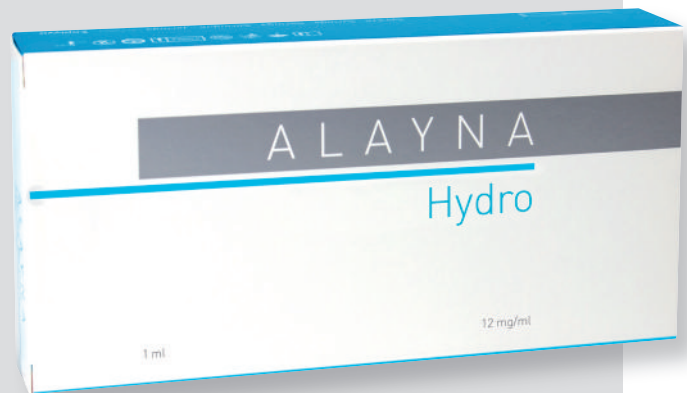
A L A Y N A Hydro

12 mg/ml linear unlinked hyaluronic acid

INDICATIONS:

- mesotherapy
- rejuvenation, biorevitalization and hydration of
 - face
 - neck
 - cleavage
 - hands
- touch-up treatment after ALAYNA filler injections

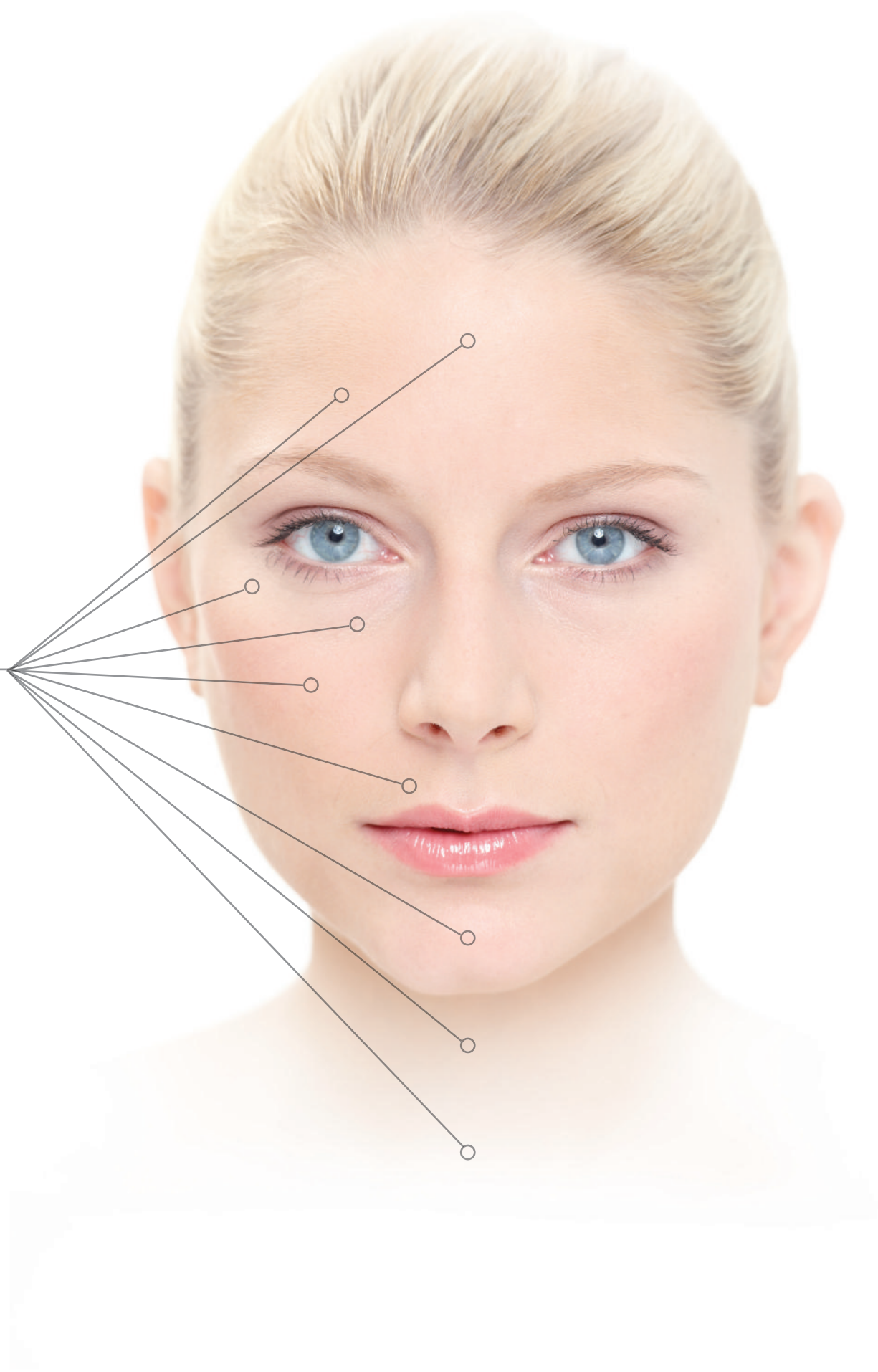
available in 1 ml and 2 ml



Mesotherapy is understood to be the treatment of a large skin area with linear hyaluronic acid whose structure and effect is identical to that of the body own hyaluronic acid and in this way compensates the transepidermal moisture loss of the skin. The skin looks fresh, youthful and firm again and appears elastic and supple („rejuvenation“). ALAYNA Hydro is injected superficially into the upper dermis. The product distributes quickly, thereby smoothing out fine wrinkles. ALAYNA Hydro is suitable for a very successful treatment of the face and also of the neck, cleavage and hands. An injection into the lips also has a wrinkle reducing effect, whereas the volume and the structure of the lips remain unchanged.

ALAYNA Hydro can either be injected using a 32 G cannula or in an uncomplicated and time-saving manner with a gun, which allows quick and even filling especially in the cleavage area. The best result is achieved with three applications in two-week intervals. Subsequently, the effect lasts for two to three months.

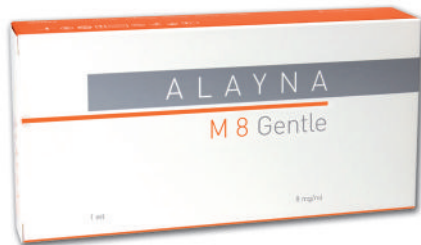
**rejuvenation,
biorevitalization and
hydration of the skin**



The ALAYNA products – MADE IN GERMANY

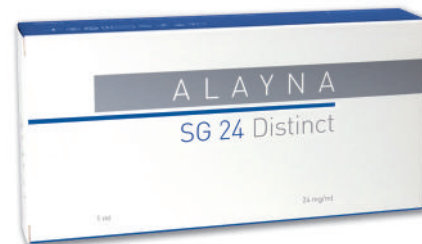
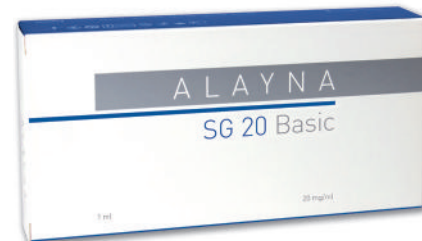
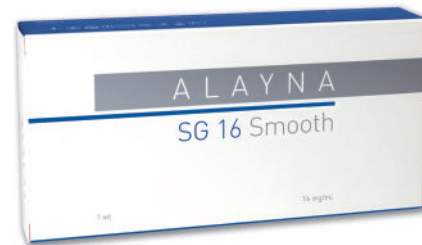
ALAYNA M

Monophasic hyaluronic acid fillers with extraordinarily long duration of effect



ALAYNA SG

Monophasic soft gel fillers with fully hydrated hyaluronic acid



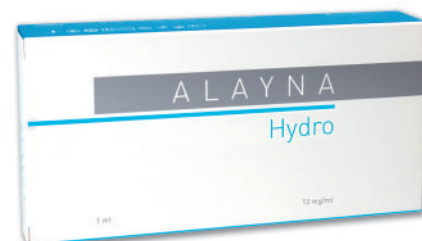
ALAYNA HE

Biphasic hyaluronic acid filler – „highly effective“



ALAYNA HYDRO

Linear hyaluronic acid gel for rejuvenation and mesotherapy



Our special recommendation

after treatment



ALAYNA Arctic Fluid (pat.pend.) consists of a highly efficient composition of natural Asian botanical extracts with a strong anti-inflammatory effect.

ALAYNA Arctic Fluid is especially recommended following injection, because it cools the irritated skin and reduces swelling and redness.

ALAYNA Arctic Fluid is also optimally suitable to refresh tired skin and to alleviate the symptoms of sunburn.

USE

Soak the mask with Arctic Fluid and place it on the face.

Also suitable for the neck, here the mask must be folded appropriately.

Tips and tricks

- Take your time for the patient before as well as after treatment to mutually discuss the treatment and to subsequently look at the treatment success and to be responsive to the patient's personal impressions.
- Make sure that the patient has completed the informed consent (medical history) to avoid unnecessary risks. Do not inject if the patient shows first signs of a flu – in this condition there is a high risk of an immune response.
- Inform the patient that directly after treatment prolonged sunbathing, sauna or endurance sports may negatively influence the result.
- With the help of photo documentation before and after treatment the patient is able to better recognize the wrinkle reduction brought about by the treatment. It is recommendable to take the pictures prior to injection of the anesthetic which may change the look of the wrinkles.
- When performing the treatment you should follow the wrinkle and inject the material while you retract the needle. Here simple and gentle injection techniques as well as slow injection are recommended.
- The tunnel technique is more traumatic and may induce the development of hematoma more frequently.
- Prior to the beginning of treatment the injections should be planned and the suitable product as well as the adequate volume should be chosen.
- In anesthesia – regardless whether through injection or topical application of a cream – it is highly recommended to ensure the patient's well-being during the treatment and a positive experience after treatment. The use of an anesthetic without adrenalin is recommended to avoid potential effects on the heartbeat and not to shorten the duration of effectiveness.
- If the patient sits upright, the wrinkles can be realistically assessed thanks to the natural effect of gravity. The upright position of the patient is especially recommended if anesthesia is made by injection, since mild swelling of the area concerned may occur here.
- Usually a massage of the injected area leads to better results, because it improves the material distribution in the tissue.
- In touch-up treatment the same injection point can be used that was used in the preceding treatment to avoid further traumatization of the tissue.
- After injection the special ALAYNA Arctic Fluid should be applied and subsequently the ALAYNA hyaluronic acid serum to specifically ensure skin soothing and the patient's well-being.

Comments/notes



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