

MERZ AESTHETICS



Belotero® – It's a part of me

It's a part of you

Belotero® offers you an extended range for smoothing and filling wrinkles, restoring facial volumes and rehydrating skin.

It's a part of them

Belotero® integrates smoothly into an anti-ageing regimen that enhances confidence and self-assurance. It has an intelligent design for an advanced bespoke aesthetic solution with predictable and natural outcomes for optimal patient satisfaction and trust.



Belotero® Hydro is an ideal treatment option to deliver effective results when patients want deep rehydration and firmer skin.

The Belotero® range of fillers delivers predictable and harmonious results for the smoothing and filling of lines and wrinkles, lip augmentation and the restoring of facial volumes.

Belotero® range of fillers now with lidocaine

Improved patient comfort

- The addition of the anesthetic, lidocaine, enhances patient comfort in more sensitive areas
- The influence of lidocaine endures after the injection procedure



Belotero® – Holistic solution for targeted needs

The Belotero® products can be used individually or in combination to tailor an aesthetic solution for each patient depending on the skin's structural and functional needs.

What does the skin need?

ELASTICITY – for optimal tissue support



COHESIVITY – for excellent tissue integration

PLASTICITY – for excellent malleability to model and shape



ELASTICITY – the ability of a gel to return to its initial shape after being subjected to strain



COHESIVITY – the ability of a gel to stick together and thereby maintaining gel integrity



PLASTICITY – the ability of a gel to be shaped and modelled

The Cohesive Polydensified Matrix of Belotero® enables seamless dermal integration¹

Control

Cohesive gel Monophasic polydensified



Fragemented gel
Monophasic
monodensified gel

Non cohesive gel
Biphasic





By optimising the balance of these properties, the Belotero® range of fillers integrates seamless into the skin tissue and lets you achieve predictable and harmonious results.



Intelligent design in aesthetics

The Belotero® fillers are manufactured using a patented Dynamic Cross-Linking Technology that results among others in a monophasic Cohesive Polydensified Matrix (CPM).



Phase 1
Hyaluronic acid in its original form (single chains, random coil structure)



Phase 2
Linearisation of the individual
hyaluronic acid chains:
the random coil structure untangles



Phase 3
First hyaluronic acid crosslinking process with BDDE:
a cellular, monophasic gel emerges

STANDARD CROSS-LINKING

Phase 4 to 5 constitute the innovative part of the patented DCLT technology



Phase 4
Expansion of the gel that was created in the crosslinking process



Phase 5
Second crosslinking process, supplemented with additional non-crosslinked hyaluronic acid

PATENTED DYNAMIC CROSS-LINKING TECHNOLOGY (DCLT)²

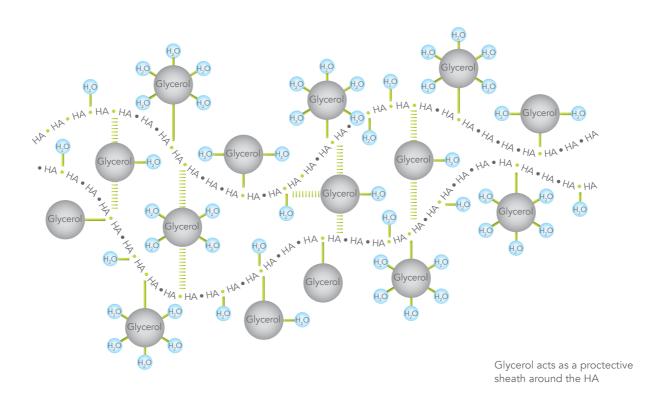
This advanced DCLT technology provides the ideal balance of cohesivity, elasticity and plasticity to match the needs of the targeted layer of the skin.





Belotero® Hydro* - Designed for rehydration whilst restoring skin radiance and skin elasticity

HA + Glycerol - A unique and patented combination³: Made with naturally occurring substances thus perfectly biocompatible and totally resorbable.



Composition	Amount	Purpose
High molecular weight, non- crosslinked highly concentrated Hyaluronic Acid (HA)	2.5 –3 MDa, 18 mg/ml	Known as a hydrating agent and for its inhibition of matrix-metallo- proteinase (MMP) which degrades collagen ⁴
Glycerol	21 mg/ml	Known for its ability to hydrate and acts as a 'protective sheath' to slow HA degradation and hence increase duration of action ⁵
Phosphate-citrate buffer	pH 7	To adjust and maintain a physiological pH



^{*} Belotero® Hydro is equivalent to Mesolis® +,

a registered trademark of Anteis S.A.

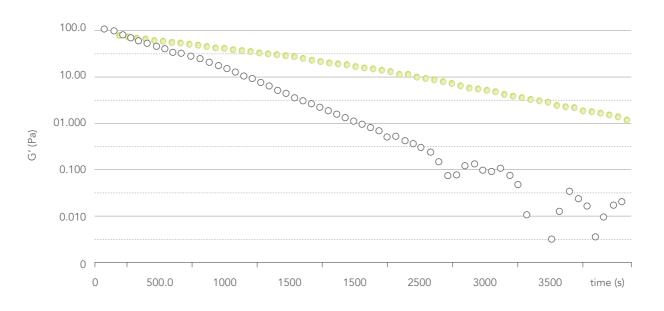
Patent family publication number WO2007/077399

Sasaki A et al., Tohoku J. Exp. Med., 2004, 204, 99-107.

Fluhr J. W. et al., Br J Dermatol. 2008 Jul; 159(1): 23-34.

Additional benefit: The addition of glycerol prevents HA degradation caused by free radicals

In vitro tests show the increased resistance against free radical degradation of an HA gel combined with glycerol.⁶



Gel based on HA and glycerolO Gel based on HA without glycerol

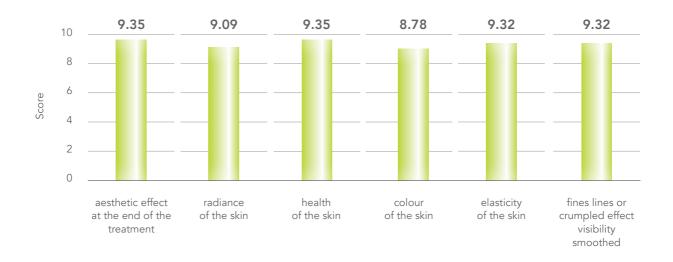


86% of females want to look radiant and rested⁷

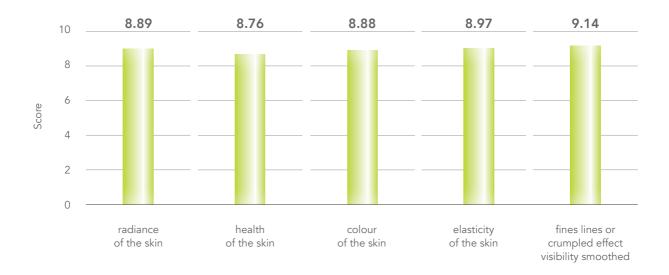
ELOTERO® HYDRO

Belotero® Hydro ensures a high level of satisfaction for you and your patients8

Very high practitioner satisfaction with an average score of 9.2/10



Excellent patient appreciation with an average score of 8.9/10

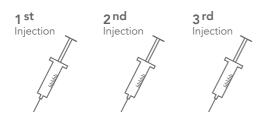




⁸ In 2009 a satisfaction enquiry on Mesolis+ gel (equal to Belotero® Hydro) was conducted on an international level. During that period, 113 patients and 23 practitioners evaluated the product itself and the quality of the aesthetic outcomes.

Belotero® Hydro is specifically designed for deep rehydration treatments

Practical guidance for treatment phases



Initial treatment phase

2 months

Initial treatment phase:

2 – 3 treatment sessions held 30 days apart are recommended in the initial treatment phase

Maintenance phase

Maintenance phase:

Following this treatment trilogy, maintenance treatments should follow once or twice a year depending on the individual patient

Tips for the initial physician – patient consultation

Belotero® Hydro may be an entry level treatment for those who have never previously considered aesthetic therapy.

The choice of when to begin a treatment is a sensitive one for patients, and helpful information prior to your recommendation can be gathered through a few quick yes/no questions.

- Is your skin often exposed to the sun?
- Does it feel as though it's lost some firmness?
- Are more fine lines noticeable of late?
- Are you a smoker?

If the answers tend to be positive, the likelihood is high that candidates will be suited to a Belotero® Hydro regimen.



Predictable results with Belotero® Hydro*

Face: Recovery of skin elasticity and firmness





Neck: Recovery of skin tone and elasticity



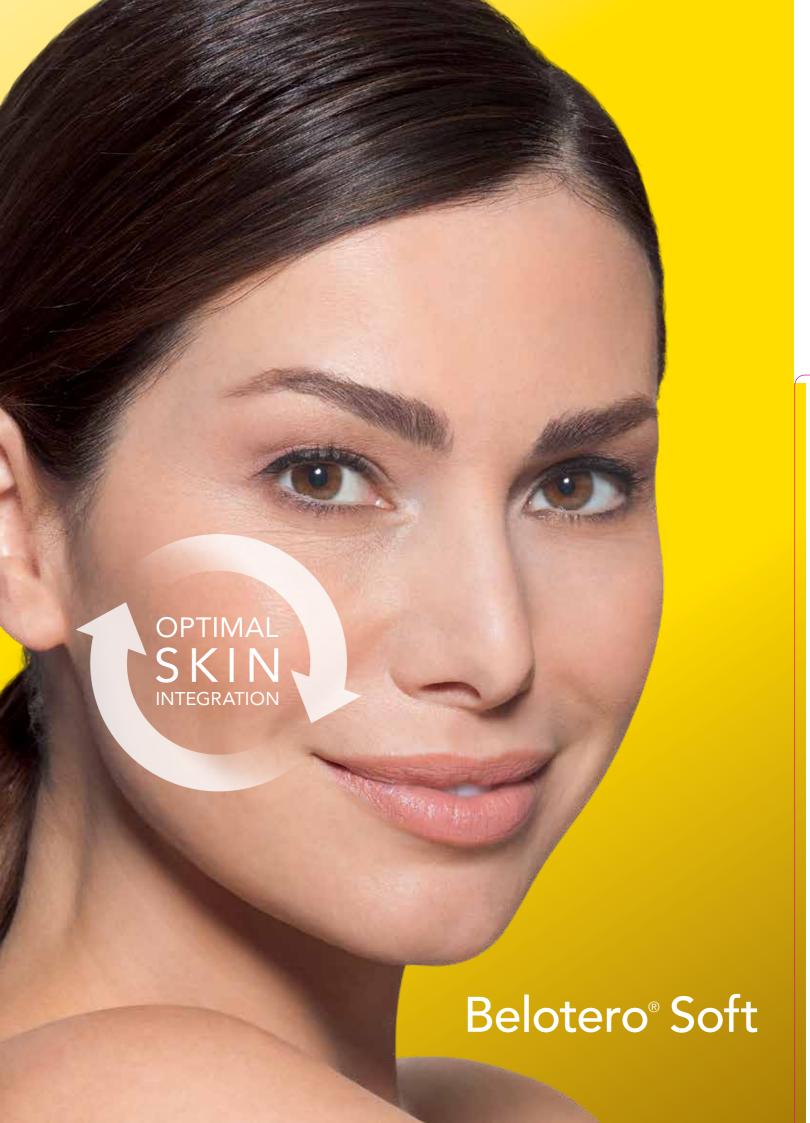


Back of hands: Improvement of skin texture and radiance





After

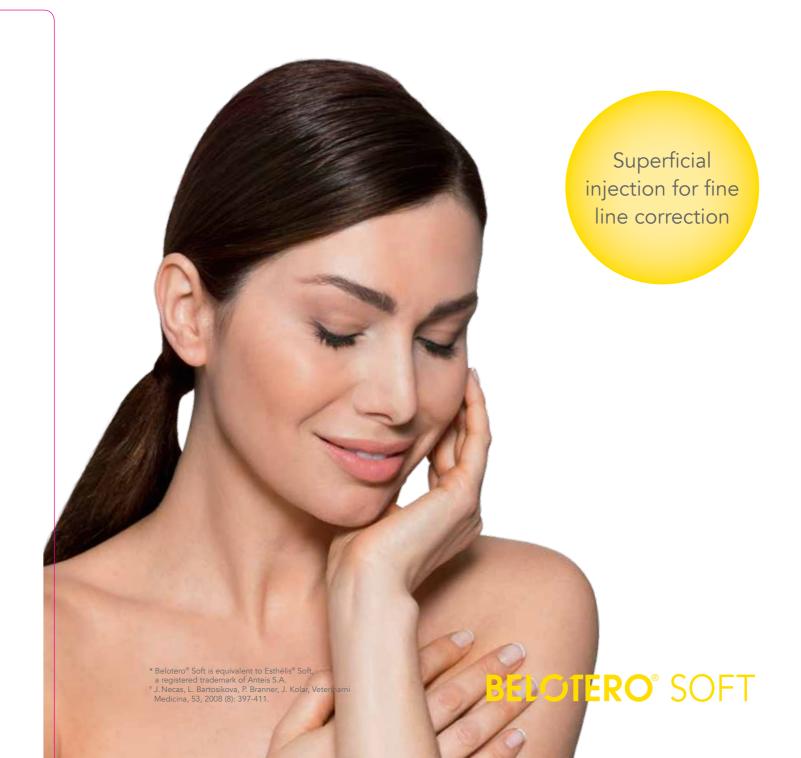


Belotero® Soft* smoothens fine lines away

Belotero® Soft is optimal for fine line correction and deep rehydration due to its excellent cohesivity and its water binding capacity.9

Ideal for fine lines such as

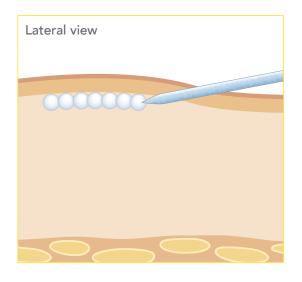
- Crow's feet
- Perioral lines

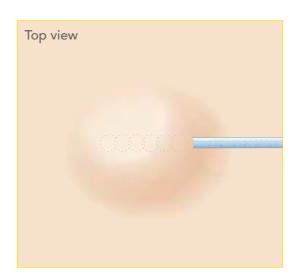


A product for superficial injection techniques

Blanching technique for natural looking results

Belotero® Soft can be administered using the blanching as well as the micro-papular injection technique for deep hydration and fine line smoothing.





Safe injections close to the surface without Tyndall effect¹⁰



Directly after injection

- Inject at the correct depth and there is brief skin blanching at the point of injection
- The whiteness disappears after a few minutes

Predictable results with Belotero® Soft*

Crow's feet



Before



After

Perioral lines



Before



After



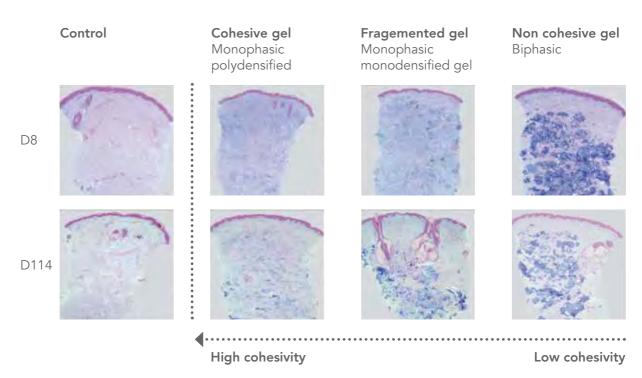
Belotero® Balance* becomes a part of your patients due to its seamless integration



The cohesivity of Belotero® Balance enables optimal skin integration and prevents the risk of gel migration

- Belotero® is seen to occupy the full thickness of the reticular dermis and is evenly distributed¹¹1
- No dermal trauma or structural alteration¹¹

Cohesivity enables seamless dermal integration¹²



Blue areas on the images correspond to HA Alcian blue staining 8 days after injection of HA fillers Alcian blue staining 114 days after injection of HA fillers



^{*} Belotero® Balance is equivalent to Belotero® Basic as well as equivalent to Esthélis® Basic, a registered

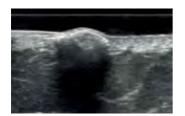
trademark by Anteis S.A.

Tran C, Carraux P, Micheels P, Kaya G, Salomon D: In vivo Bio-Integration of Three Hyaluronic Acid Fillers in Human Skin: A Histological Study. In press, Dermatology DOI: 10.1159/000354384

Belotero® Balance – Good safety and tolerability

Optimal skin integration without side effects

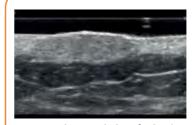
Belotero® ultrasonography images show a homogenous papule which is as dense as the surrounding tissue after injection into the superficial dermis.¹³



Biphasic gel



Monophasic monodensified gels



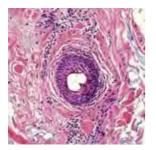
Monophasic polydensified gel

In contrast Restylane® and Juvéderm® showed a higher degree of echoes, opaqueness, and production of a cone of shadow underneath the injected papules.

Belotero® has no significant local inflammatory reaction¹⁴

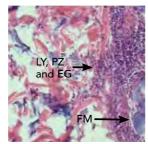
Belotero® showed an absence of an inflammatory reaction following injection intradermally.14

Histological slides 30 days after injection



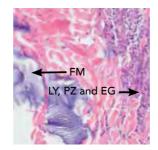
Juvéderm® 30HV

- Slight to moderate degree of chronic inflammation
- Subepidermal and perivascular increased number of lymphocytes, also plasma cells and several granulocytes



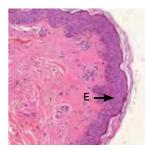
Teosyal® Deep Lines

- Severe chronic inflammation
- Dense infiltrate of inflammatory cells



Restylane Perlane®

- Intense chronic inflammation,
- Heavy infiltration of lymphocytes, plasma cells and eosinophil granulocytes



Belotero® Balance

 Histomorphological normal finding free of inflammation unremarkable immune reaction

LY lymphocytes, PZ plasma cells, EG eosinophilic granulocytes, FM foreign material, E epidermis

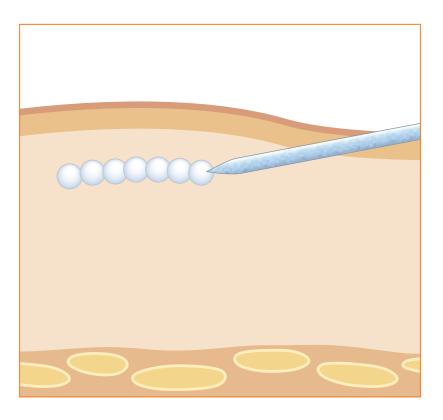


Pictures: Courtesy to Dr Micheels and Dr Besse ¹⁴ Taufig A.Z. et al., J Ästhet Chir 2009 2:29 – 36.



Ideal for blanching

Belotero® is the only commercially available HA filler that can be administered with the blanching technique in the superficial dermis¹5



The multipuncture deposition of the cohesive polydensified matrix hyaluronic acid gel for the blanching technique.

Important: 1.5 to 2mm needle insertion

- Injection in superficial dermis
- Injection angle of 10–12 degrees
- Multiple punctures at intervals of 0.5 cm

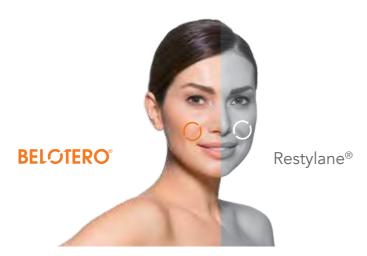
⁶⁶Belotero[®] is suitable for very superficial intradermal injection using the blanching technique with little to no risk of visible product or the Tyndall effect.⁹⁹





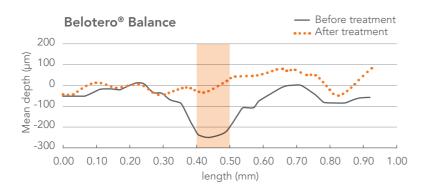
Belotero® Balance offers smooth support of the superficial and mid dermis

The Split-Face Evenness Study showed significantly greater improvement in evenness* of the nasolabial folds area of Belotero[®] Balance compared with Restylane[®] (p < 0.0001). ¹⁶



*Evenness was measured by the mean residual depth of the nasolabial target area relative to the skin surface post treatment.

Two-dimensional surface profiles before and 4 weeks after treatment



Before treatment Restylane® After treatment 200 Mean depth (µm) 100 -100 -200 0.30 0.50 0.60 0.70 0.80 0.90 0.10 0.20 length (mm)

The total waviness of the nasolabial target area, i.e. depth and evenness was measured from the surface of the skin. Positive figures implied "bumps" in the skin and negative figures implied lines, wrinkles and folds in the skin.

At week 4, the Belotero® treatment achieved a reduction of 109.5 μ m (from 248.8 μ m to 139.4 μ m) in the mean depth of the nasolabial fold, compared to a reduction of 71.8 μ m in the Restylane® treated side.



¹⁶ Prager W, Steinkraus V. A prospective, rater-blind, randomized comparison of the effectiveness and tolerability of Belotero Basic versus Restylane for correction of nasolabial folds. Eur J Dermatol 2010; 20 (6): 748-52.

Belotero® Balance – Tried and tested

The safety of Belotero® Balance has been evaluated in 8 clinical studies^{17–24}

In general the following were observed:

- Mild to moderate treatment-related adverse events
- No treatment-related serious adverse events
- Minimal inflammatory response
- Proven tolerability over 18 months
- Patient and physician satisfaction
- Long-term safety and patient satisfaction
- Belotero® is safe in Fitzpatrick skin types IV VI²¹
- No reports of severe adverse events

Tolerability over 18 months²³

In a long-term open-label extension study for correction of nasolabial folds, Belotero® was well tolerated when repeat injections were given over an 18-month follow-up period.

Injection site bruising was the only adverse event that was considered to be related to Belotero®.

Patients and physicians are satisfied with Belotero®17

A clinical study in 114 patients with nasolabial folds demonstrated that 81% of patients were treated successfully for 24 weeks with the effect persisting for 36 weeks in 66% of the patients.

There was good or very good tolerability in 109 out of the 114 patients.

98% of all patients and 90% of the examiners rated the treatment success as good or very good.

Narins RS et al, Dermatol Surg, 2010; 36:1800-1808.
 Kühne U et al, J Drugs Dermatol 2012;11:1032–1035.



Reinmüller J et al, Dermatol News 2007; issue 11: 2-3

Reinmuller J et al, Dermatol News 2007; Issue 11: 2-5.
 Taufig AZ, et al, J Ästhetische Chirurgie 2009; 2: 29-36.
 Prager W et al, Dermatol Surg 2012;38:1143-1150.
 Micheels P, J of cosm surg & med, VOL 4, No. 3 2009.
 Downie JP et al, Plast Reconstr Surg, 132; 41S; Oct,

Suppl 2013.

22 Narins RS et al, Dermatol Surg, 2010;36:730-740.

Predictable results with Belotero® Balance*

Nasolabial wrinkle



Before



After

Glabella wrinkle



Before



After

Nasolabial wrinkle



Before



After



Predictable results with Belotero® Balance

Nasolabial wrinkle *1



Before



After

Nasolabial wrinkle *2



Before

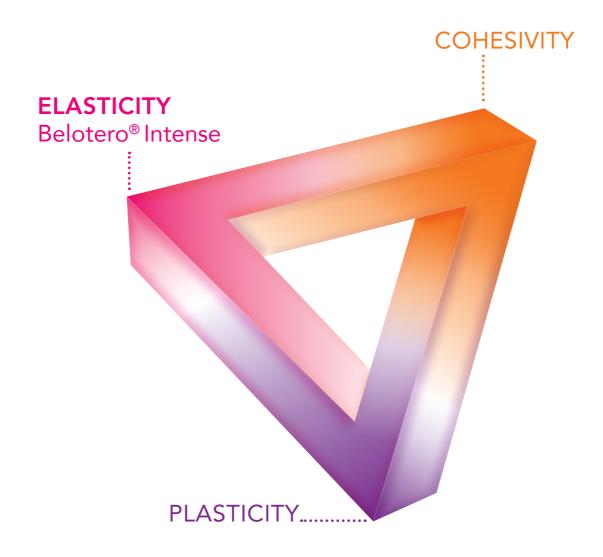


After



Belotero® Intense* offers effective filling capacity and natural looking results due to balanced elasticity

Finding the right elasticity to suit your patients' needs and expectations is a matter of balance in order to provide optimal skin support.



Belotero® Intense provides optimal filling capacity for predictable, natural looking results whilst maintaining excellent tissue integration to minimise lumps and bumps.

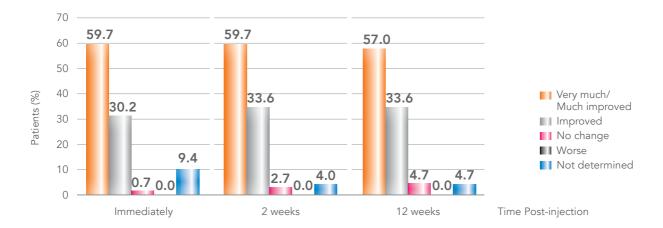


Efficacy was demonstrated in a study of 149 patients to assess the efficacy and safety of Belotero[®] Intense²⁵

Mean WSRS improved significantly by 1.9 score points without any decline throughout the 12-week period.



89.9% of patients achieved improvement on the Investigator assessed Global Aesthetic Improvement Scale immediately after injection. The aesthetic effect was well maintained throughout the 3-month evaluation period.



Adverse events were localised to the injection area and occurred in 85.9% of patients immediately after injection and declined to 12.8% in week 2. None were serious.

²⁵ Pavicic T. Efficacy and Tolerability of a New Monophasic, Double-Crosslinked Hyaluronic Acid Filler for Correction of Deep Lines and Wrinkles. Journal of Drugs in Dermatology. 2011. 10(2); 134-139.



Belotero[®] Intense provides lasting results and high patient satisfaction without producing lumps²⁶

A double-blind, half-side comparison study of 20 patients with symmetric nasolabial folds who were randomised to contralateral treatment with Belotero® Intense and a biphasic HA filler (NASHA). Efficacy was assessed at baseline and after 2, 24, and 48 weeks using a wrinkle severity rating scale, subject questionnaire, and biophysical in vivo methods.

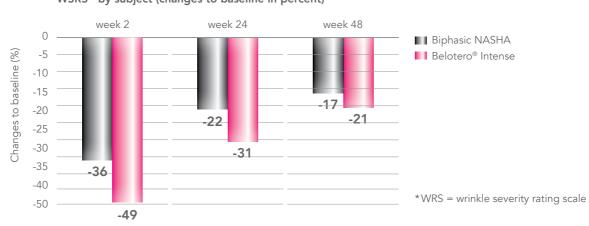
Lasting results

All subjects showed significant improvements with both fillers up to day 365.

Patient satisfaction

At week 24, improvement of patient satisfaction was significantly greater with Belotero[®] Intense, p < 0.001; NASHA, p = 0.006).

24 and 48 weeks after initial injection, significantly more subjects treated with Belotero® Intense judged themselves as satisfied compared with NASHA (24 weeks: p = 0.002; 48 weeks: p = 0.005).



WSRS* by subject (changes to baseline in percent)

After 48 weeks patient satisfaction with Belotero® Intense was significantly greater than at baseline but satisfaction on the NASHA had returned to baseline value.

Subject questionnaire confirmed that 80% of subjects treated with Belotero® Intense and 65% of subjects injected with NASHA filler stated that their expectations were met and that they would repeat the treatment course.

⁶⁶These results may be due to the unique structure of Belotero® Intense which allows it to spread more regularly and fill the dermal volume defect more evenly than the biphasic product. ⁹⁹



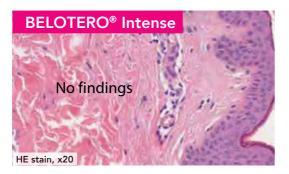


Minimal risk of local inflammatory reaction with Belotero® Intense compared to others²⁷

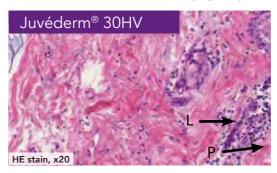
A study to assess the safety criteria of aesthetic filler materials by investigating intradermal reactions after implantation of 0.2 ml dermal filler in mapped abdominal skin areas showed no abnormality and no significant local inflammatory reaction after Belotero® injection.

Histological slides 30 days after injection

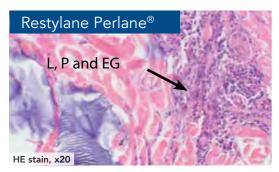
Lymphocytes (L)
Plasma cells (P)
Eosinophil granulocytes (EG)



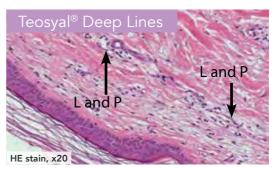
- No histomorphological inflammation reaction
- Even distribution of injection material



- Light to moderate chronic inflammation
- Increased lymphocytes, plasma cells, and eosinophil granulocytes
- Irregular distribution of injection material



- Intense chronic inflammation
- Heavy infiltration of lymphocytes, plasma cells, and eosinophil granulocytes
- Irregular distribution of injection material



- Intense chronic inflammation
- Irregular infiltration of lymphocytes and plasma cells



Predictable results with Belotero® Intense*

Lip augmentation



Before



After

Face contours, nasolabial folds and lip enhancement



Before



After

Nasolabial folds and lip enhancement



Before



After





Belotero® Volume* models and restores facial volumes due to its tailored plasticity



The intelligent and well-balanced design offers 3 advantages:

Excellent malleability to model and shape as desired maintaining a natural look











Powerful volumising effect for reliable and predictable results:

100 % of practitioners considered Belotero® Volume as superior or equivalent to competitors²⁸

High plasticity facilitates easy placement of the gel after injection.

Very low ejection force that gives you the respective freedom to operate²⁹

	Ejection force (N) 25G1 Ejection force (N) 22G 50 mm Terumo needle** Softfil cannula**		
Belotero® Volume (25G1, 22G 50mm	24.0	21.8	
Juvéderm Voluma (23G1", 18G 70mm)	50.6	42.9	
Restylane Sub-Q (21G)	37.1	30.6	

Belotero® Volume is equivalent to Modélis®Shape,

land, Thailand, Germany and Belgium), February 2012.

²⁹ Data on file, Belotero® Volume US product information page 6.



a registered trademark bei Anteis S.A.
 ** 1 ml of product was injected with the 25G1 Terumo needle and 1 ml with the 22G 50 mm Softfil cannula.

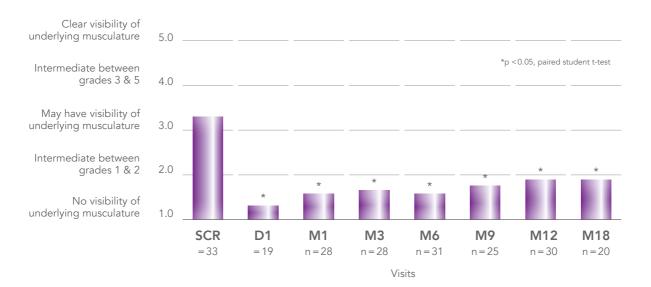
28 Clinical Evaluation Report VP1-1001: An open label and multicentre clinical evaluation assessing the efficacy and safety of Modélis in facial depressions (9 injectors from France, Switzer-

Clinically proven efficacy and safety with high patient satisfaction

In a post-marketing clinical follow-up of 33 patients to assess the efficacy and safety of Belotero® Volume (2ml syringe) in the treatment of volume loss over 18 months after injection, the mean face volume loss score (FVLS) at each follow-up visit was significantly lower than mean FVLS baseline score.30

Although there was a slight increase in FVLS over time, the effectiveness of Belotero® Volume was still significant at month 12 and month 18.

Facial volume score



At month 12 and month 18, the mean Global Aesthetic Improvement Scale score is still "Much improved", supporting the FVLS results.

13 patients experienced at least one injection site reaction during the evaluation. Main site reactions were redness and pain of mild intensity which disappeared before the next followup visit.

Most patients [93% (n=28) at month 12 and 90% (n=18) at month 18] were satisfied with their results and were intending to repeat the treatment and recommend it to their friends.



Predictable results with Belotero® Volume*

Cheekbones



Before



After

Cheekbones



Before



After

Temples



Before



After







The Belotero® family – It's a part of you



Belotero® product	Indications	HA concentration	Needle size	Injection site and angle
HYDRO	Skin rehydration, e.g.: face, neck, décolletage, back of hands	18 mg/1ml	30 G	Dermal/epidermal junction (nappage technique) or superficial dermis (micropapular technique)
SOFT	Correction of fine lines, e.g.: crow's feet, perioral lines, fine forehead lines	20 mg/1ml	30 G	Superficial dermis Approx 10°
BALANCE	Correction of moderate lines, e.g.: moderate nasolabial wrinkle, glabellar lines, moderate perioral wrinkles, lip contouring, philtrum	22.5 mg/1ml	27 G	Superficial to mid dermis Approx 15°
INTENSE	Correction of deeper lines, e.g.: severe nasolabial fold, lip volume, oral commissures, marionette folds	25.5 mg/1ml	27 G	Mid and deep dermis Approx 30°
VOLUME	Restoration of facial volumes, e.g.: cheeks, temples, facial volume loss	26 mg/1ml	30 G + 27 G Needle 27 G Cannula	Deep dermis, subcutaneously



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