



\*Resilient Hyaluronic Acid

TEOSYAL® RHA\*  
DYNAMIC AESTHETICS

EXPAND YOUR  
POSSIBILITIES



TEOXANE

THE EXCELLENCE OF SWISS SCIENCE

# FACIAL REJUVENATION

High **patient** expectations<sup>1,2</sup> /  
High **medical** standards<sup>1,2</sup>

Natural results

Immediate and  
long lasting effect

Minimal side  
effects

Maximized  
tolerance

Resistance and  
adaptability

Natural results

Easily injectable<sup>3</sup>



Care about  
facial dynamism<sup>2</sup>

1. Kantar Health. The European TEOSYAL\*PEN survey included 30 physicians and 236 patients. 42 patients had never received manual injection with a hyaluronic acid-based filler. Report n°40HB64. 2015.  
2. Michaud T, et al. Facial dynamics and emotional expressions in facial aging treatments. Journal of Cosmetic Dermatology. 2014;1-13.  
3. Breithaupt AD, et al. Next-generation dermal fillers and volumizers. Cosmet Dermatol. 2012;25:184-19.



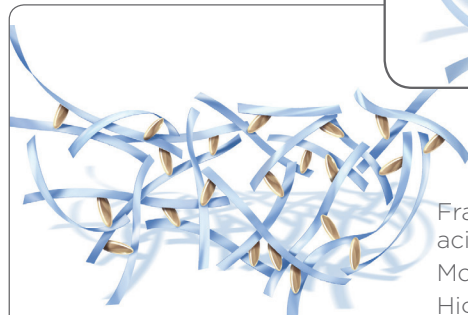
# TEOSYAL® RHA

## 1<sup>ST</sup> RESILIENT HYALURONIC ACID DEDICATED TO FACIAL DYNAMICS

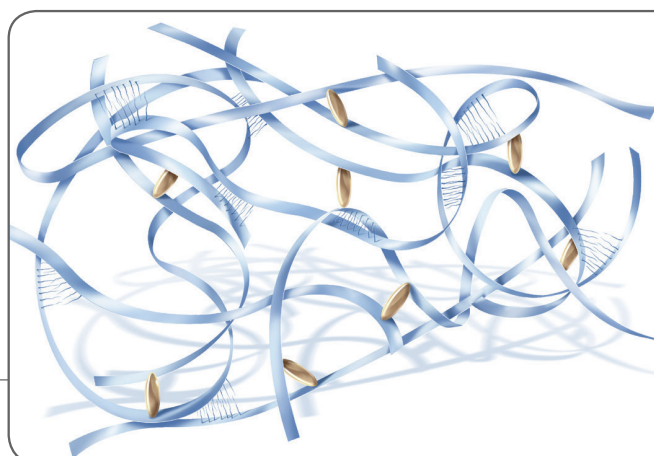


### Exclusive “Preserved Network” method

#### Classical method



Fragmented hyaluronic acid chains  
More BDDE<sup>4</sup>  
High MoD\*\* (5-10%)



Long hyaluronic acid chains  
Less BDDE\*<sup>5</sup>  
Low MoD\*\* (2-4%)<sup>5</sup>

**Dynamic** structure:  
Maintains natural viscoelastic properties

**Rigid** structure:  
Damages natural viscoelastic properties

## Enhance your patient's beauty by preserving facial dynamism

\* BDDE: 1,4-Butanediol Diglycidyl Ether

\*\* MoD: degree of modification

4. Pomarède N, et al. Hyaluronic acid injection. Ann Dermatol Venerol. 2009;136 Suppl 6:S287-9.

5. TEOXANE Laboratories. Data on file, measurement by an independent laboratory of the HA Degree of Modification by <sup>1</sup>H NMR.

Enhance your patient's beauty

# RHEOLOGICAL PARAMETERS DIRECTLY LINKED TO **PHYSIOLOGICAL BENEFITS** <sup>2,6</sup>

Elasticity • Cohesivity • Viscosity

Properties to consider when choosing the best possible product profile  
depending on the area treated



For  
**optimal results**  
in each indication

2. Michaud T, et al. Facial dynamics and emotional expressions in facial aging treatments. Journal of Cosmetic Dermatology. 2014;1-13.

6. Dr. Gassia: <http://en.anti-age-magazine.com/sustainable-aesthetic-medicine-optimising-the-long-term-treatment-of-facial-aging-using-injections-2/>

# TEOSYAL® RHA

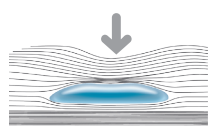
## UNIQUE RHEOLOGICAL PROFILE DEDICATED TO **FACIAL DYNAMISM**<sup>7</sup>

### THE DYNAMIC RHEOLOGY CONCEPT

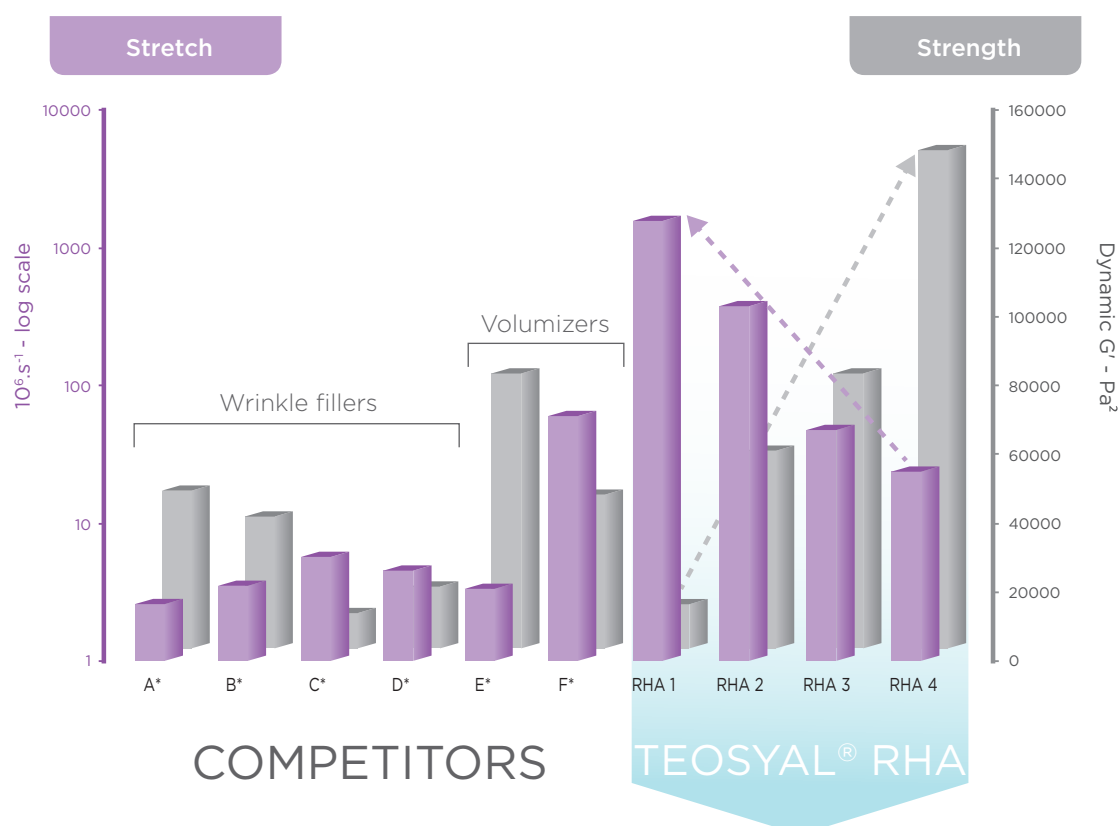
Two parameters taking real conditions into account



**Stretch** : Assessing gel malleability and adaptability in the non-linear viscoelastic region



**Strength** : Assessing structure resistance to compression and repeated small stress, like micromovements in the facial tissues



**Well defined rheological profile  
of each product in order to  
meet the clinical needs**

**TEOSYAL® RHA : 4 products able  
to stretch and resist  
under repeated harsh stress conditions**

\*A, B, C and D are commonly used competitors products to treat wrinkles. E and F are commonly used competitors volumizers.

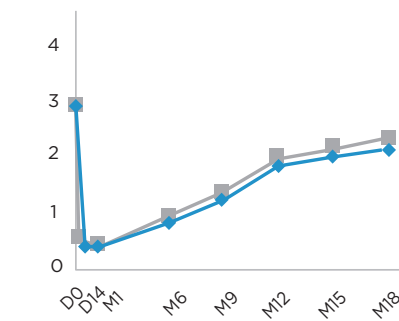
7. TEOSYAL® RHA keeps its mechanical properties on a large range of strain or stress constraints (dynamic G') - Report Rheological characterizations of hyaluronic acid gels. Rheonova (University of Grenoble, France). Data on file - Patent pending

# TEOSYAL® RHA CLINICAL EFFICACY IN AN 18-MONTH C

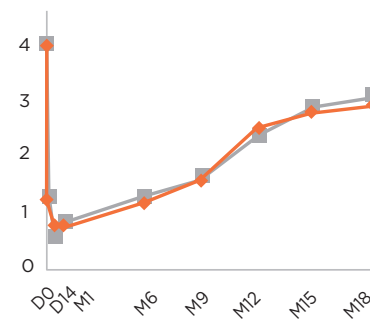
Prospective, double-blinded, split face, randomized (side and order of injection), controlled trial  
90 subjects with moderate to severe nasolabial folds (NLF)

## → Improvement of WSRS scores for **100% of patients** at 6 months (primary criterion) and on the long term

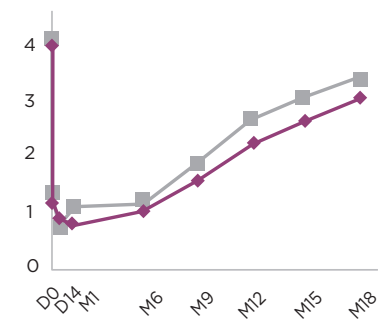
WSRS score from D0 to M18



TEOSYAL® RHA 2  
vs Juvederm® Volift



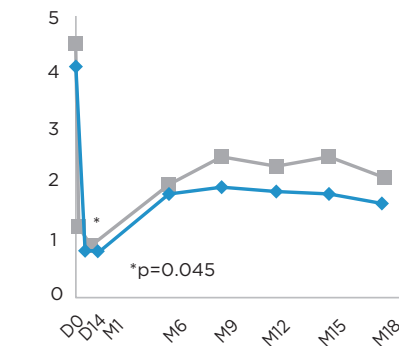
TEOSYAL® RHA 3  
vs Juvederm® Ultra 4



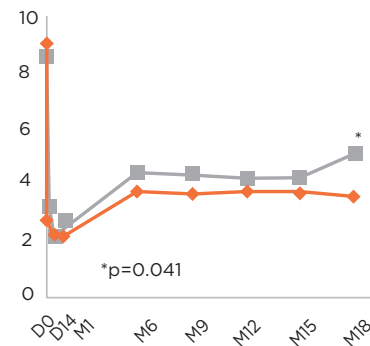
TEOSYAL® RHA 4  
vs TEOSYAL® PureSense Ultra Deep

## → Better improvement on the long term

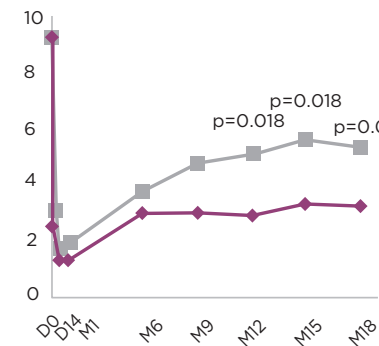
Volume of the nasolabial fold from D0 to M18 (mm³)



TEOSYAL® RHA 2  
vs Juvederm® Volift



TEOSYAL® RHA 3  
vs Juvederm® Ultra 4



TEOSYAL® RHA 4  
vs TEOSYAL® PureSense Ultra Deep

Population: both genders (39-70 years) with 2 symmetrical moderate (WSRS=3) to severe (WSRS=4) nasolabial folds

Assessments:

Primary criterion: WSRS score improvement from pre-injection, 6 months after the last injection session (Blinded Live Evaluator, BLE)

Secondary criteria: variation of NLF volumes using PRIMOS 3D (Phaseshift Rapid in-vivo measurement of skin); Global Aesthetic improvement Scale (GAIS), FACE-Q satisfaction assessment.

Safety: Common Treatment Reactions, patient's diaries, pain during injection (VAS), Adverse events



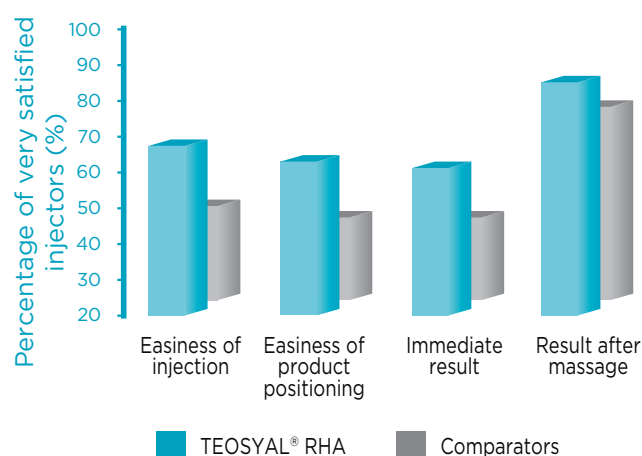
# AND **SAFETY** HIGHLIGHTED COMPARATIVE STUDY<sup>8</sup>

**TEOSYAL® RHA 2** vs Juvederm® Volift (n=30) Moderate NLF : WSRS score before injection = 3

**TEOSYAL® RHA 3** vs Juvederm® Ultra 4 (n=30) Severe NLF : WSRS score before injection = 4

**TEOSYAL® RHA 4** vs TEOSYAL® PureSense Ultra Deep (n=30) Severe NLF : WSRS score before injection = 4  
Evaluation at D0, D14, M1, M6, M9, M12, M15, M18

## ➔ Preference of the physicians for TEOSYAL® RHA products



- Fewer touch-up with TEOSYAL® RHA products:  
**26.7%** vs **35.6%**

## ➔ Better **GAIS\*** score at 12 months

Proportion of patients "much improved":

- **TEOSYAL® RHA 2**: 50.0% vs Juvederm® Volift: 33.3% ➔ **+16.7 points**
- **TEOSYAL® RHA 3**: 44.8% vs Juvederm® Ultra 4: 41.4% ➔ **+3.4 points**
- **TEOSYAL® RHA 4**: 60.0% vs TEOSYAL® PureSense Ultra Deep: 50.0% ➔ **+10.0 points**

## ➔ Good safety profile\*\*

- Mild to moderate local common treatment reactions lasting less than 7 days

Physicians and patients highly satisfied by  
**TEOSYAL® RHA** products performance

\* GAIS = Global Aesthetic Improvement Scale

\*\* Local inflammatory reactions: bruising, erythema, induration, oedema, pain, haematomas, lumps/bumps and swelling, itching, temporary loss of sensitivity, dyschromia, abscesses, nodules, skin necrosis, migration of the implant.  
General manifestations: immediate hypersensitivity up to anaphylactic shock.

8. TEOXANE Laboratories. Quantitative and comparative safety and effectiveness analysis of three non-CE approved injectable dermal fillers in moderate and severe nasolabial folds treatment versus CE approved comparators. A randomized double-blinded within subject clinical trial. Final 18-months report. Independent CRO analysis. January 8th, 2016.

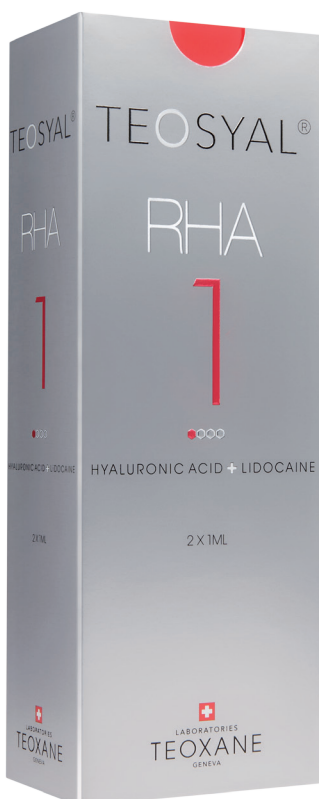
DYNAMIC **SUPERFICIAL** WRINKLES

# TEOSYAL® RHA 1

## Superficial wrinkles Face - Neck - Décolleté

e.g. Bar code

Courtesy of Prof. Giuseppe Sito



- 15 mg/mL of a mix of crosslinked and non-crosslinked HA
- 0.3% lidocaine
- 1.9% MoD\*

**Mid dermis injection with a 30G needle**

Dr. Sebagh,  
Facial Plastic Surgeon, France & UK

«Excellent product,  
an innovation for  
very fine wrinkles  
and bar code –  
very natural – very  
discreet»



Injection techniques  
recommended by the  
Experts :

- LINEAR THREADING
- CROSSHATCHING FOR  
BAR CODE

DYNAMIC **MODERATE** WRINKLES

# TEOSYAL<sup>®</sup> RHA 2

## Moderate wrinkles

e.g. Forehead + Glabella

Courtesy of Dr. Wolfgang Redka-Swoboda



Dr. Galadari,  
Dermatologist, UAE

«The filler becomes part of the dermal structure rendering it more natural especially in mobile areas where the skin stretches – the likelihood of developing lumps like with other products decreases»

- 23 mg/mL HA
- 0.3% lidocaine
- 3.1% MoD\*

**Mid dermis injection  
with a 30G needle**

Injection technique  
recommended by the  
Experts :  
- **LINEAR THREADING  
TO FILL WRINKLES**



\* MoD: degree of modification

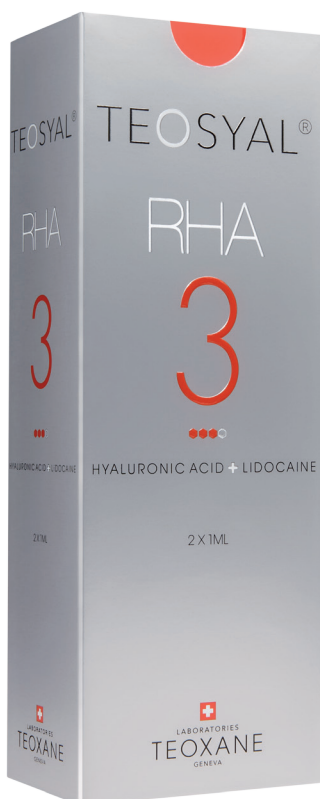
DYNAMIC **SEVERE** WRINKLES

# TEOSYAL® RHA 3

## Severe wrinkles

e.g. Nasolabial folds + Marionette lines

Courtesy of Dr. Wolfgang Redka-Swoboda



- 23 mg/mL HA
- 0.3% lidocaine
- 3.6% MoD\*

**Deep dermis injection  
with a 27G needle**

Dr. Carey,  
*Associate Professor of  
Dermatology, Canada*

«It works great on  
lines. It seems to  
take them away  
immediately, which  
is unusual»



Injection technique  
recommended by the  
Experts :  
- **LINEAR THREADING  
TO FILL WRINKLES**



VOLUME IN **DYNAMIC EXTENDED** AREAS

# TEOSYAL® RHA 4

## Volume in extended areas

e.g. Cheeks + Contours of the face

Courtesy of Dr. Wolfgang Redka-Swoboda



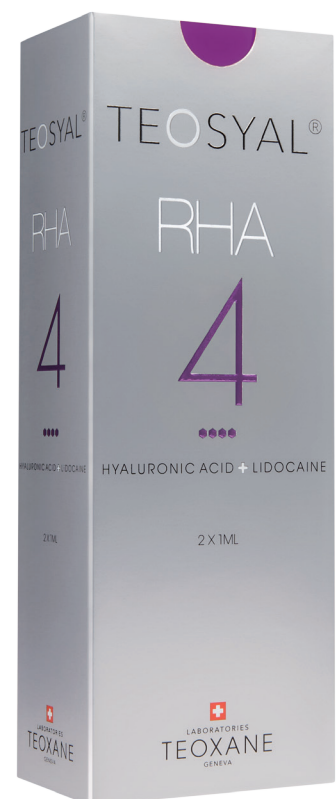
Dr. Redka-Swoboda,  
General Surgeon, Germany

«You've got  
an aesthetic  
improvement without  
feeling the product  
in the skin and soft  
tissue – That's great»

Injection technique  
recommended by the  
Experts :  
- **SANDWICH TECHNIQUE**

- 23 mg/mL HA
- 0.3% lidocaine
- 4.1% MoD\*

**Subcutaneous injection  
with a 27G needle**



\* MoD: degree of modification



In today's world, beauty is no longer a question of age. Women want their beauty to last into the future.

That's why TEOXANE Laboratories specialise in the complex development of hyaluronic acid injectable gels with researchers driven by the culture of excellence and innovation as well as a total dedication to effectiveness and safety. Thanks to this approach, the hyaluronic acid gels we produce in our Genevabased laboratories are of the highest quality and purity.

Mrs Valérie Taupin  
CEO & Founder, TEOXANE

TEOSYAL® RHA 1 to 4 are medical devices, class III, and are regulated health products bearing the CE marking (CE0086) under this regulation.

For more information, please consult TEOSYAL® RHA's instructions for use.

TEOXANE SA  
Les Charmilles - Rue de Lyon, 105  
CH 1203 Geneva, Switzerland  
[www.teoxane.com](http://www.teoxane.com)