

# TESS

TISSUE ENGINEERING SCAFFOLDS SYSTEM

TESSLIFT - NOSE series(ND · NC · NA)  
- VDERM · W series · BL series





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NOSE Series - ND/NA/NC

FACE/BROW - VDERM

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BUTTOCK - BL Serise





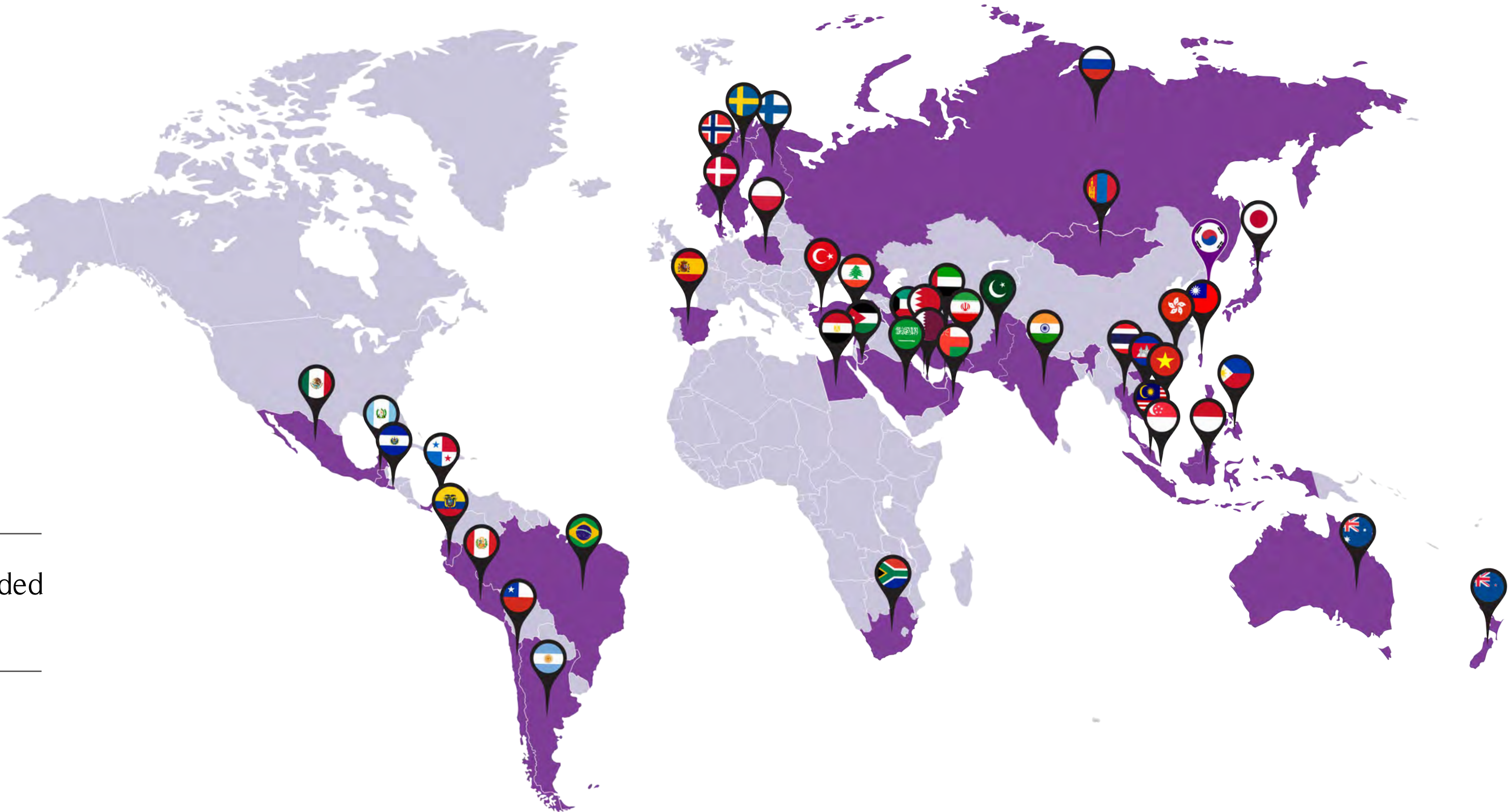
“**ABOUT TESS**  
GLOBAL LEADER in SCAFFOLDS TECHNOLOGY





# Global Leader in Scaffolds Technology

The years of research behind TESS's technology have upgraded its brand portfolio and R&D affairs.



Intellectual property  
rights registered under  
**+48 countries**



**No1.**  
**Market Share**  
in +4 countries including Japan.



More than  
**+14,000**  
doctors educated



Global training & workshops  
**+70 times** per year





# “TESS TECHNOLOGY

Tissue Engineering Scaffold System



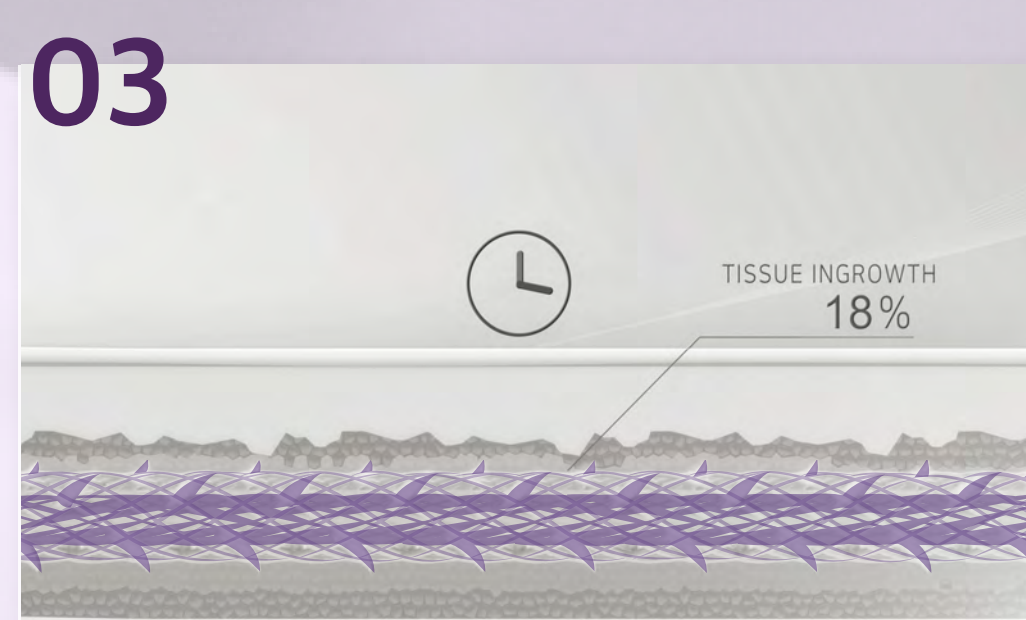
# GENERAL OVERVIEW OF SUSPENSION MECHANISM.



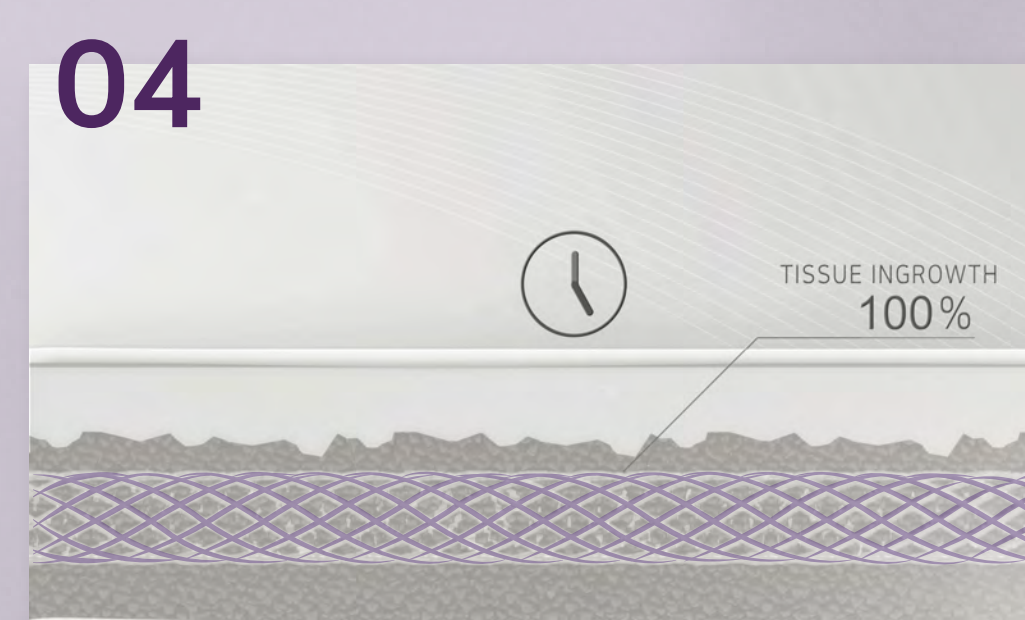
Insertion of product using delivery needles



Suspend the tissues while spreading out skin



Pre-Fixation strength provided by barbs



Fully effective tissue ingrowth via scaffold in 2weeks

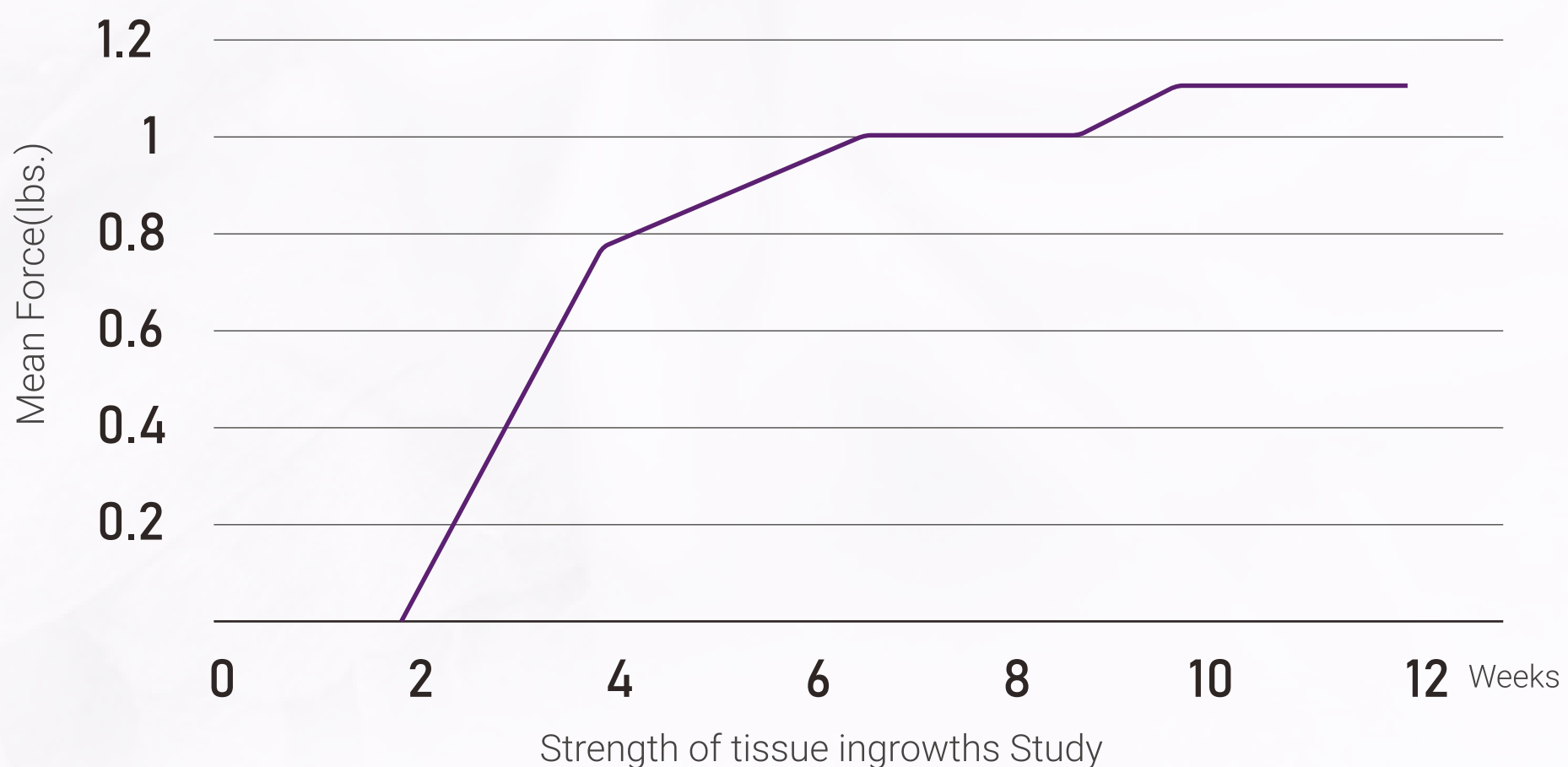
## Clinical Data.

### ARTICLE

Strength of tissue attachment to mesh after ventral hernia repair with synthetic composite mesh in a porcine model.  
Experimental study of the characteristics of a novel mesh suture.

### KEYS TO SCIENCE OF TISSUE SUSPENSION.

“ 74% of the 12 weeks strength is achieved within 2 weeks in the post-operation.”



### REFERENCE

Mesh sutures better resisted suture pull-through than conventional sutures, **Souza et al.**

Mesh suture demonstrated greater resistance to pull-through than standard sutures in vitro. Histological examination at 8 and 90 days showed complete tissues integration of the mesh suture, **Dumaian et al.**

In tissue repair application, the mesh serves to mechanically strengthen the weakened area while simultaneously promoting long-term stability by acting as a scaffold for new tissue ingrowth, **Michael Niaounakis et al.**



Filler



1st Gen.



2nd Gen.



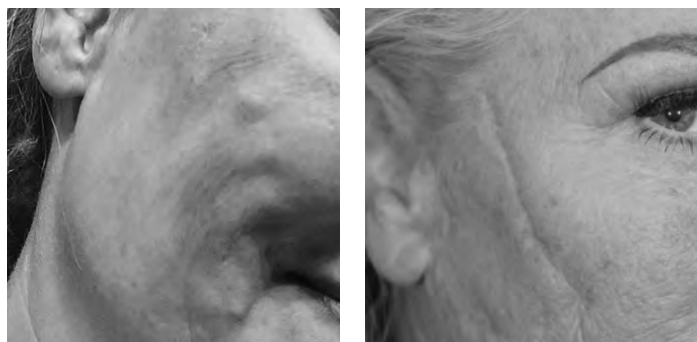
The New Generation  
**TESS SCAFFOLD  
TECHNOLOGY**

FILLER ONLY



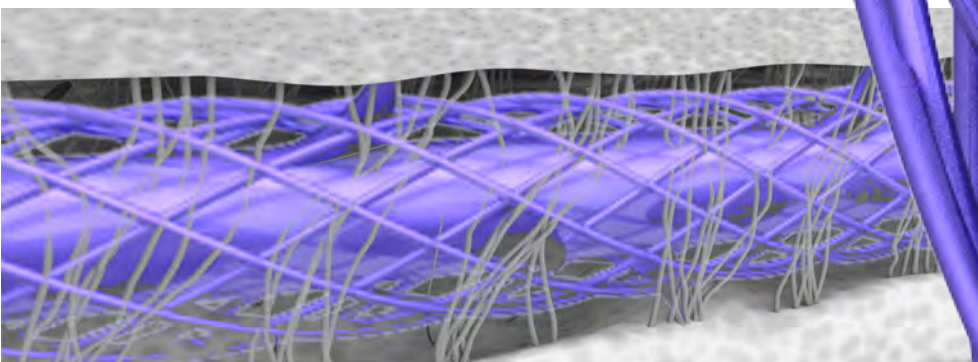
There is a risk that the filler fluid may flow down from the bridge of the nose to the side or enter the blood vessels.

COGS ONLY



The conventional sutures have ignored the significance of ligaments and other invasive surgeries may be threatening due to possible nerve damaging.

SCAFFOLD + COGS



handling of the ligaments becomes easy with TESS's novel technology. Fully effective tissue ingrowth via pores is finished within 2 weeks.





# “TESS Products

VDERM / ND / NC / NA / W / BL

Before & After



# Absorbable suture line : PDO



TESSLIFT [soft]  
**ND**  
AUGMENTATION  
OF NASAL DORSUM



TESSLIFT [soft]  
**NC**  
STRUT EFFECT  
OF NASAL COLUMELLA



TESSLIFT [soft]  
**NA**  
REDUCTION  
OF NASAL ALAE



TESSLIFT [soft]  
**V-DERM**  
TARGETING  
ALL THE FACE AREA



TESSLIFT [soft]  
**W**  
MESH SCAFFOLD  
FILLER

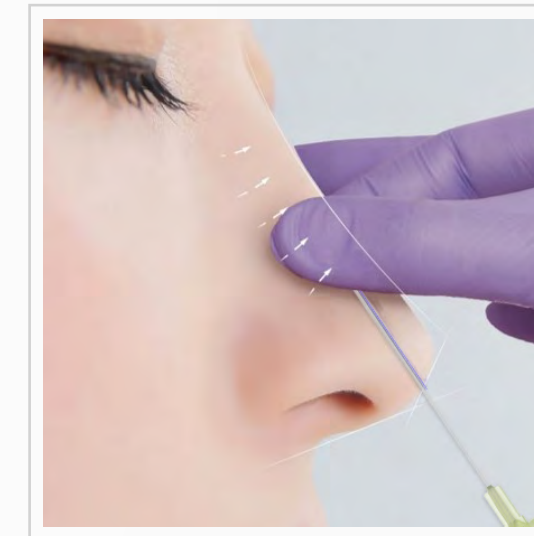


TESSLIFT [soft]  
**BL**  
MESH SCAFFOLD  
BUTTOCK



# TESSLIFT [soft] NOSE Series. ND

- # STRAIGHT NASAL DORSUM
- # VOLUME MAINTANCE
- # LONG LASTING EFFECT
- # NO MIGRATION



TESSLIFT [soft] NOSE Series has ability to continuously maintain the improved state after the procedure, without distortion and widening.

Due to proper tissue ingrowth, the nasal dorsum, centered on the mesh scaffold, is gathered without being widened.

Unique forms designed to reduce side effects of the entry point.

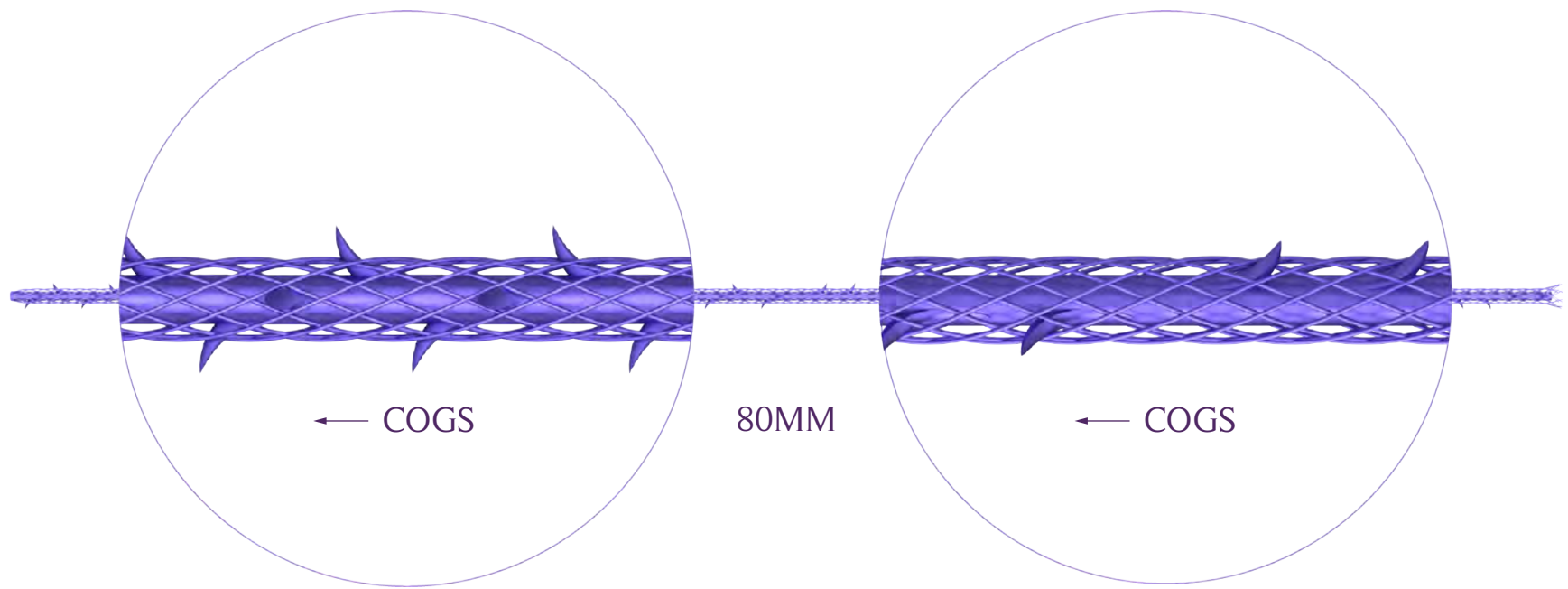
Effective collagen column formation and tissue regeneration effectively maintain and Increase the volume of the nose with the volumizing effect.



PRODUCT INFO

Component	10 standards, 19G : 60mm Cannula Needle
Material Type	PDO [Polydioxanone]
Length	70 · 80 · 90mm
USP Size	USP 1 (Central Suture), USP 7-0 (Surrounding Mesh)
Mesh / Barb Design	360° 3D mesh, 360° barb

STRUCTURE



CANNULA TYPE



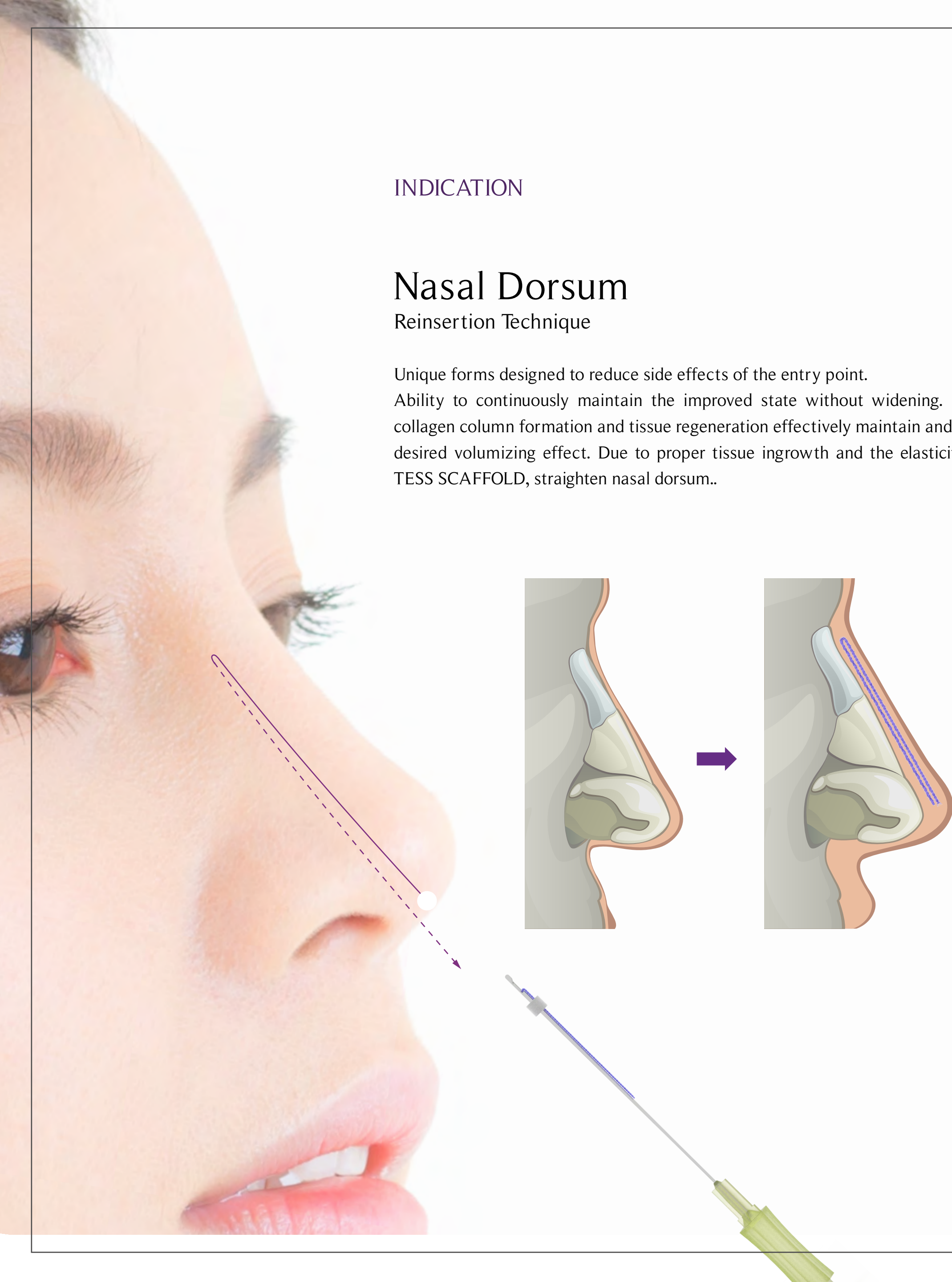


INDICATION

Nasal Dorsum

Reinsertion Technique

Unique forms designed to reduce side effects of the entry point.  
Ability to continuously maintain the improved state without widening. Effective collagen column formation and tissue regeneration effectively maintain and increase desired volumizing effect. Due to proper tissue ingrowth and the elasticity of the TESS SCAFFOLD, straighten nasal dorsum..



BEFORE & AFTER

Before



After



Before



After





TESSLIFT [soft]

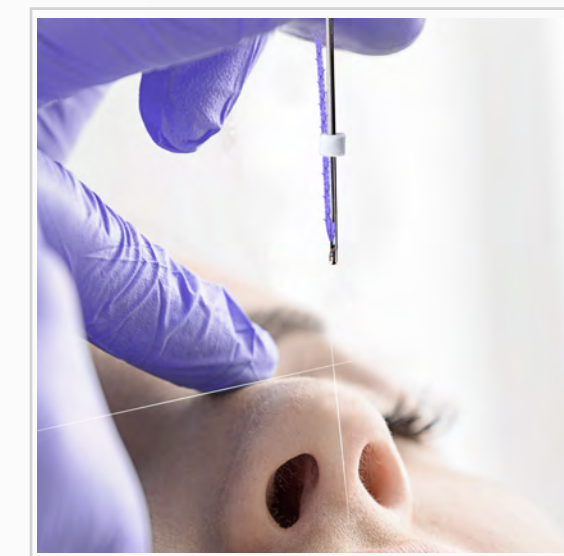
# NOSE Series. NC

# STRUT EFFECT OF NASAL COLUMELLA

# TIP PROJECTION OF NOSE

# MEDICAL CRURA FIXATION

# LONG LASTING EFFECT



For TESSLIFT[soft] NC, effective and continuous nasal tip projection is possible due to the gap between both sides medial crura being brought to the center, by tissue ingrowth.

It plays the role of columella strut, and the mesh structure functions like a medial crura fixation suture.

Role of medial crura fixation without obliterating of the natural flair of the caudal borders.

Establish exactly the base of the column on the ANS(Anterium Nasal Spine).

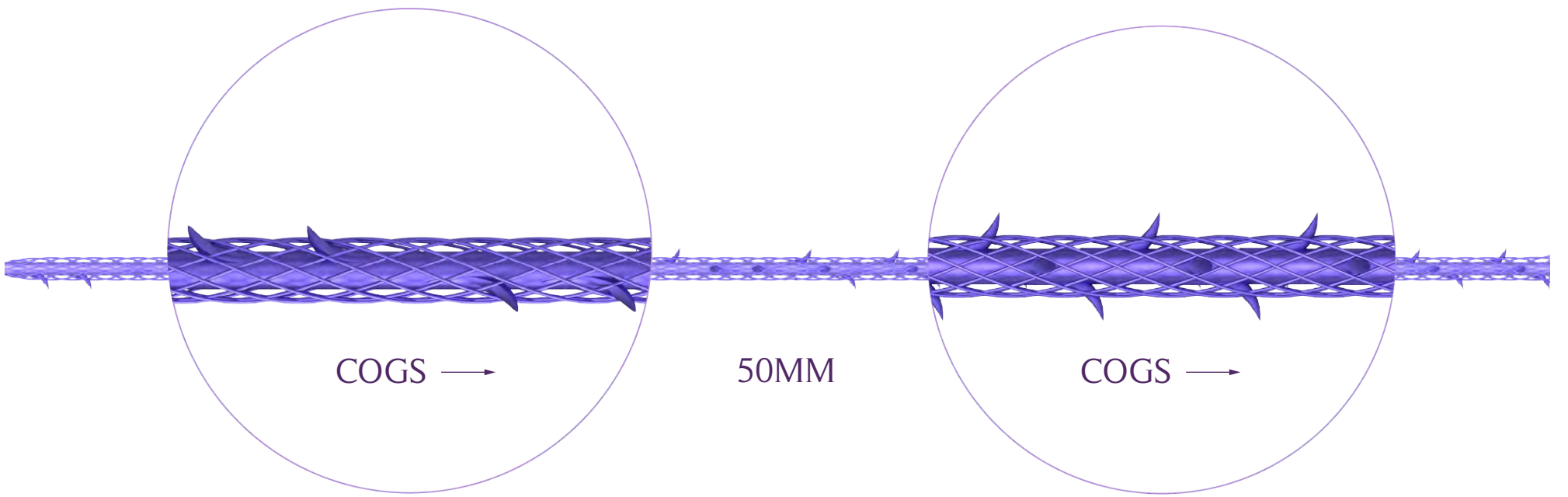




PRODUCT INFO

Component	10 standards, 19G : 38mm Cannula Needle
Material Type	PDO [Polydioxanone]
Length	40mm
USP Size	USP 1 (Central Suture), USP 7-0 (Surrounding Mesh)
Mesh / Barb Design	360° 3D mesh, 360° barb

STRUCTURE



CANNULA TYPE



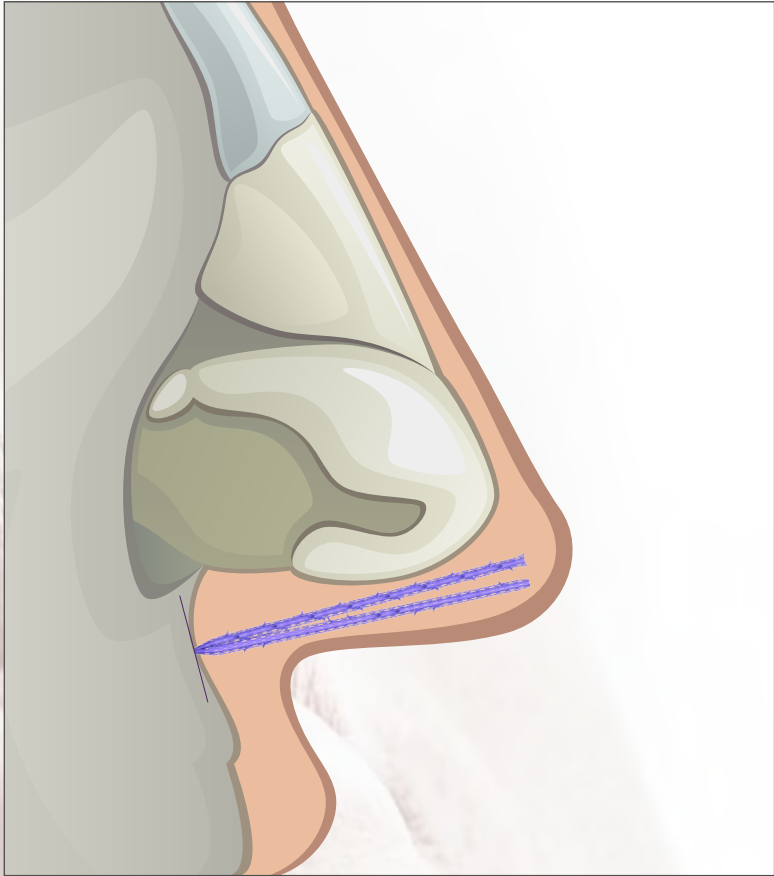


INDICATION

# Nasal Columella

## Reinsertion Technique

The conventional nose threads spread and deform the gap between both medial crus of nasal columella on either side, resulting in a sharp decrease in the nasal tip projection effect and problems in the subsequent surgery.  
Effective and continuous nasal tip projection due to the gap being brought to the center by tissue ingrowth into the proper scaffold pore.  
Role of medial crura fixation without obliterating of the natural flair of the caudal borders.  
Establish exactly the base of the column on the ANS(Anterium Nasal Spine).



BEFORE & AFTER

Before



After



Before



After





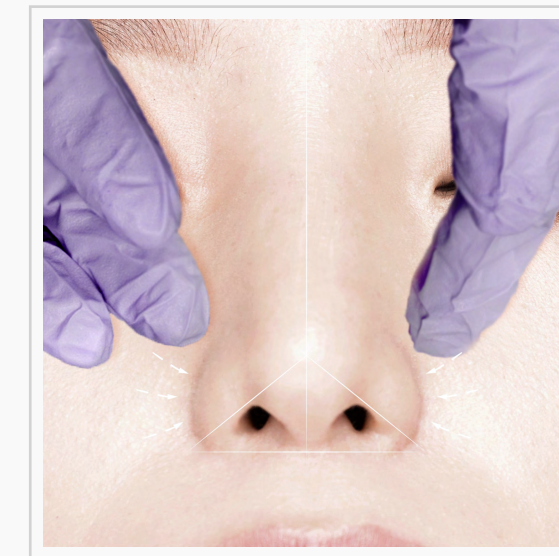
TESSLIFT SOFT

# NOSE Serise. NA

# REDUCTION OF NASAL ALAE

# TIP PROJECTION OF NOSE

# LONG LASTING EFFECT



The effect of the conventional nose threads is lost early by skin movement. However, TESSLIFT SOFT NA has a strong adhesion due to the tissue ingrowth into the mesh pores and maintains the effect despite skin movement, plus, volumizing effect.

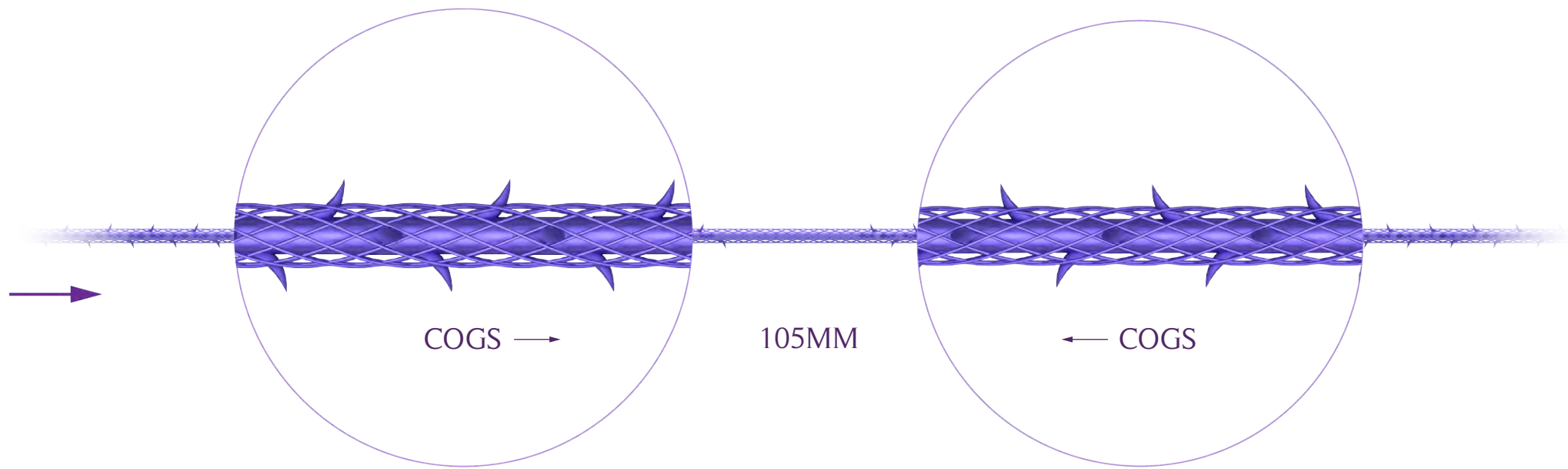
Along with alar reduction and tip projection effect, NA's more important effect is the subnasal volumizing effect. As 5 layers of mesh scaffolds are subnasally located, the nasolabial angle is properly widened due to very effective volumizing. Then the lips look less protruded and such effect creates a more sophisticated look.



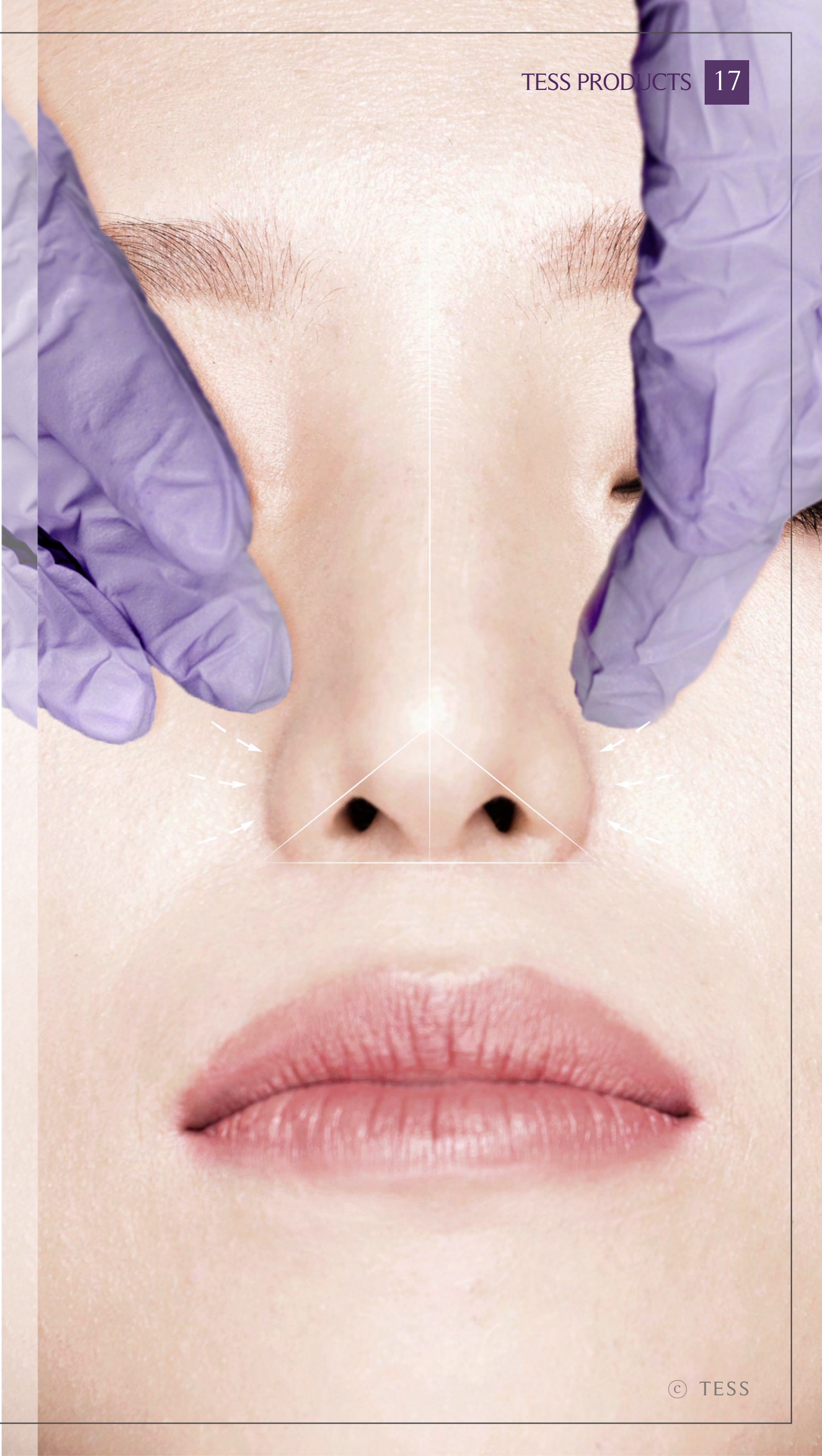
PRODUCT INFO

Component	10 strands, 18G, 100mm Cannula Needle
Material Type	PDO [Polydioxanone]
Length	105mm
USP Size	USP 0, USP 1 (Central Barbed Thread), USP 7-0 (Srrounding Mesh)
Mesh / Barb Design	360° 3D mesh, 360° barb

STRUCTURE



CANNULA TYPE





## INDICATION

### Nasal Alar

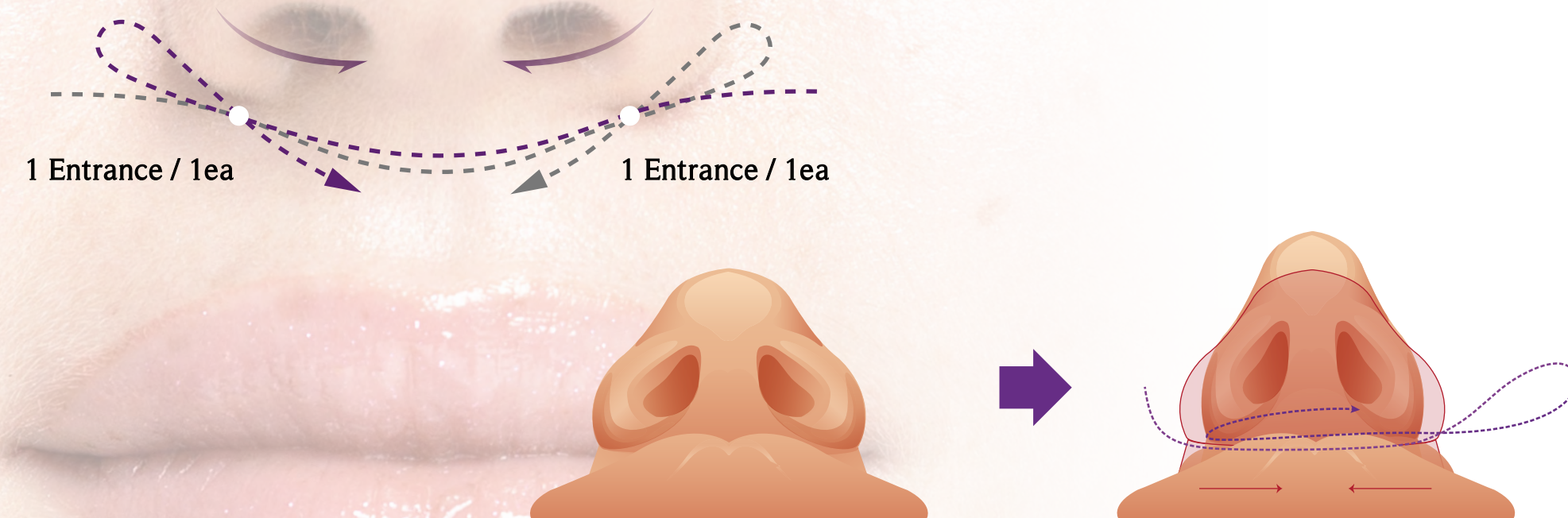
Reinsertion Technique

The effect of the conventional nose threads is lost early.  
TESSLIFT SOFT has a strong adhesion due to the tissue ingrowth into the proper scaffold pore and maintains the effect. TESSLIFT SOFT minimizes the side effects of conventional nose threads and bring forth great results.

Alar Reduction

Incision Method : In every case and making incision on the base of alae and suture

Non-Incision Method : Alae are not very wide

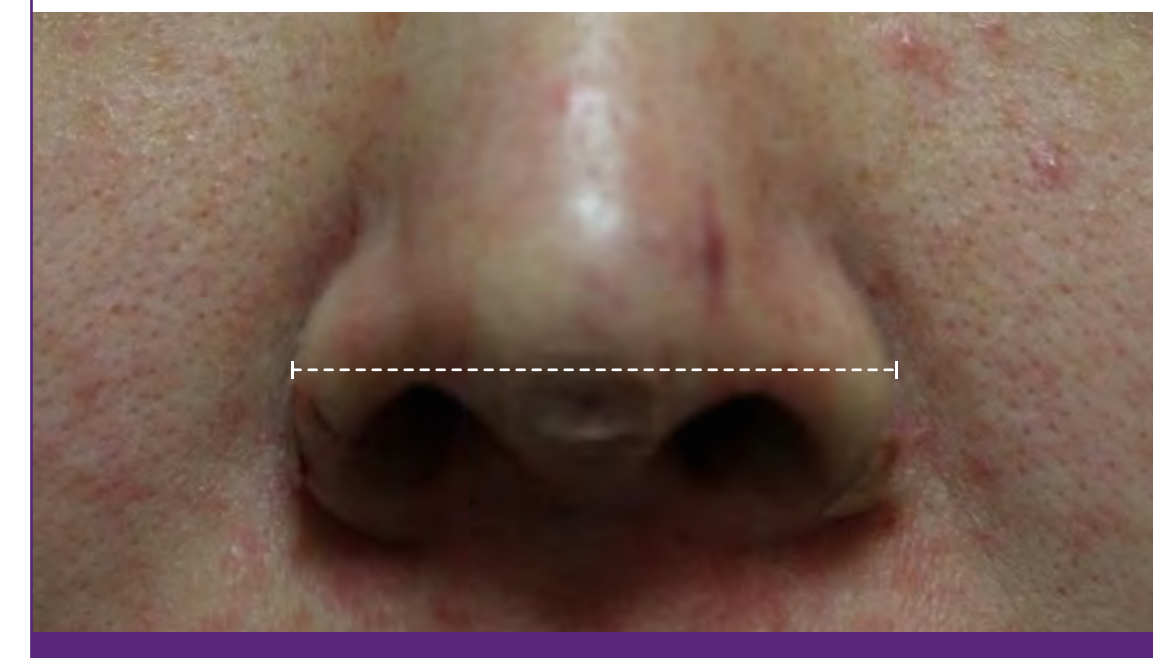


## BEFORE & AFTER

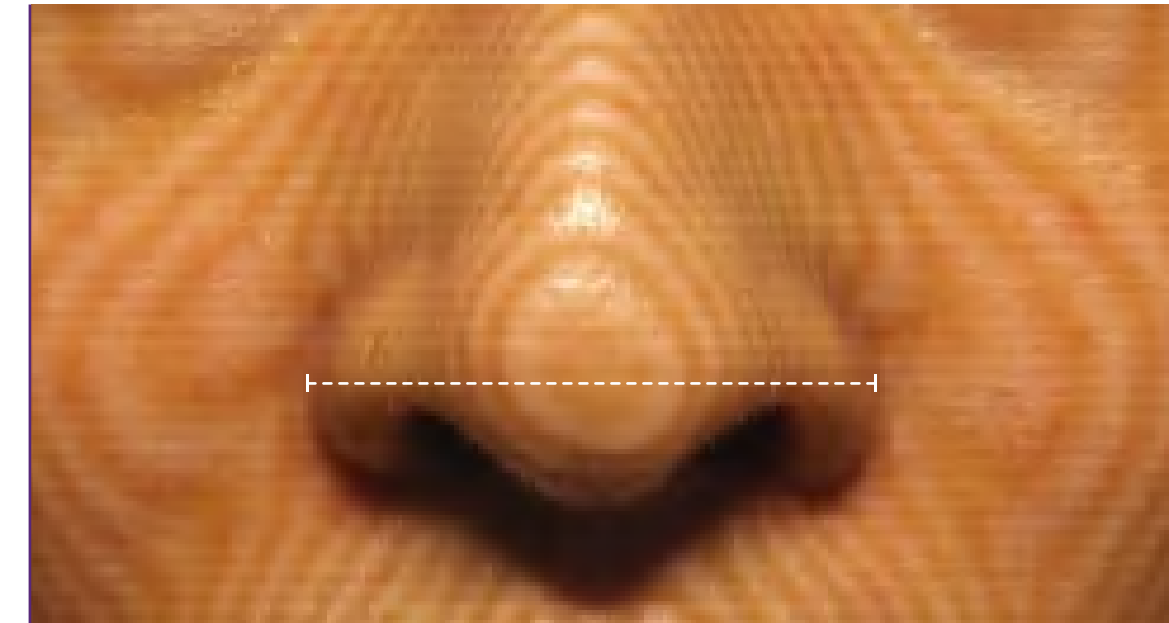
Before



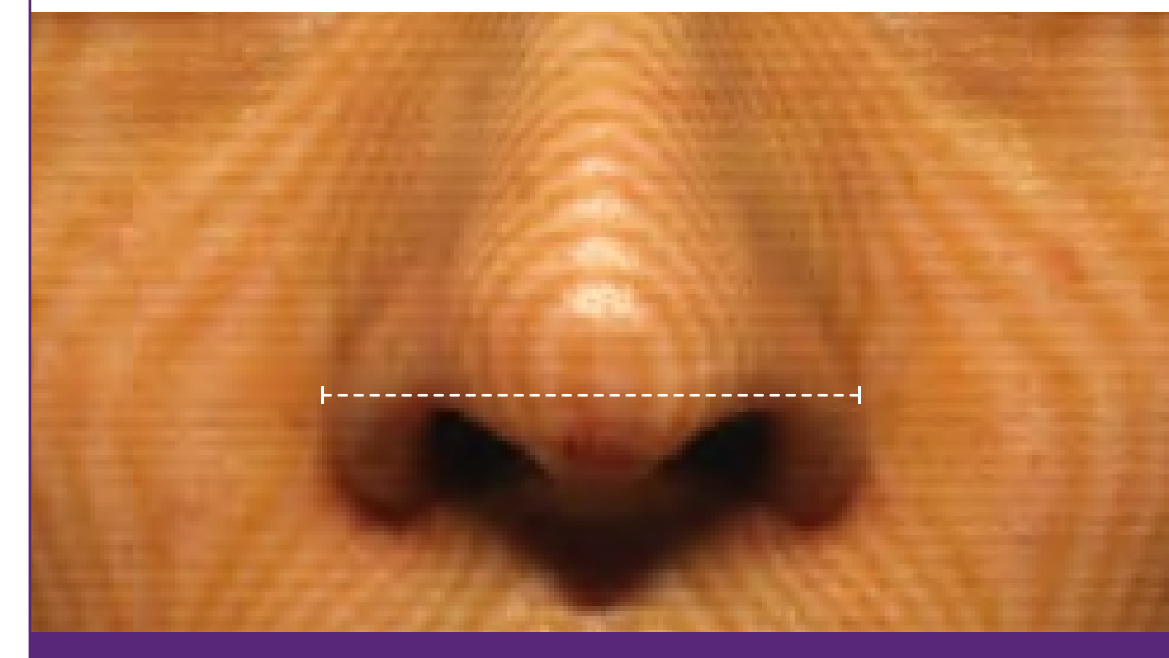
After



Before



After





TESSLIFT [soft]

# V-DERM

- # TARGETING ALL THE FACE AREAS
- # FOREHEAD #MID FACE #NECK
- #BROW #FOXY EYES
- # IMMEDIATE EFFECT



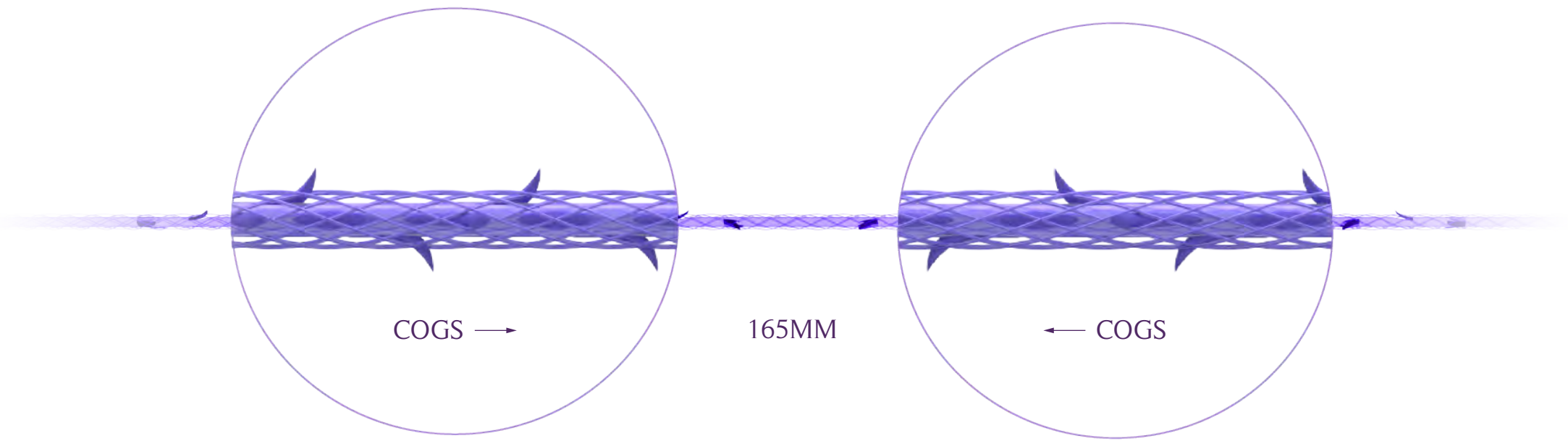
TESSLIFT[soft] is specially woven TESS SCAFFOLD made from absorbable Polydioxanone (PDO) material. The central barbed suture is there to penetrate the PDO mesh while the scaffold induces significant tissue ingrowth of the surrounding tissues through its pores, provides effective adhesion and strong tensile strength. The bars and scaffolds give unprecedented holding results. Due to scaffold tissue ingrowth a few of TESSLIFT [soft] implants are equal in strength to hundred of conventional PDO sutures.



PRODUCT INFO

Component	10 strands, 18G, 100mm Cannula Needle
Material Type	PDO [Polydioxanone]
Length	165mm
USP Size	USP 1 (Central Suture), USP 7-0 (Surrounding Scaffold)
Scaffold / Barb Design	360° 3D scaffold, 360° barb

STRUCTURE



CANNULA TYPE





## INDICATION



## BEFORE & AFTER

Before



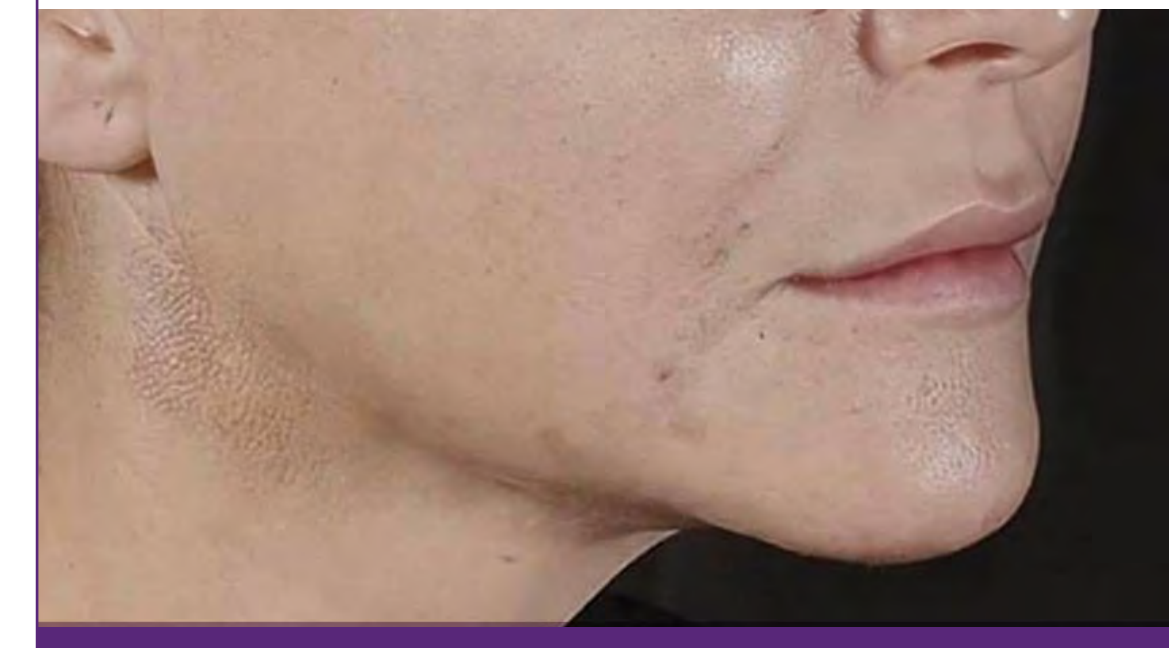
After



Before

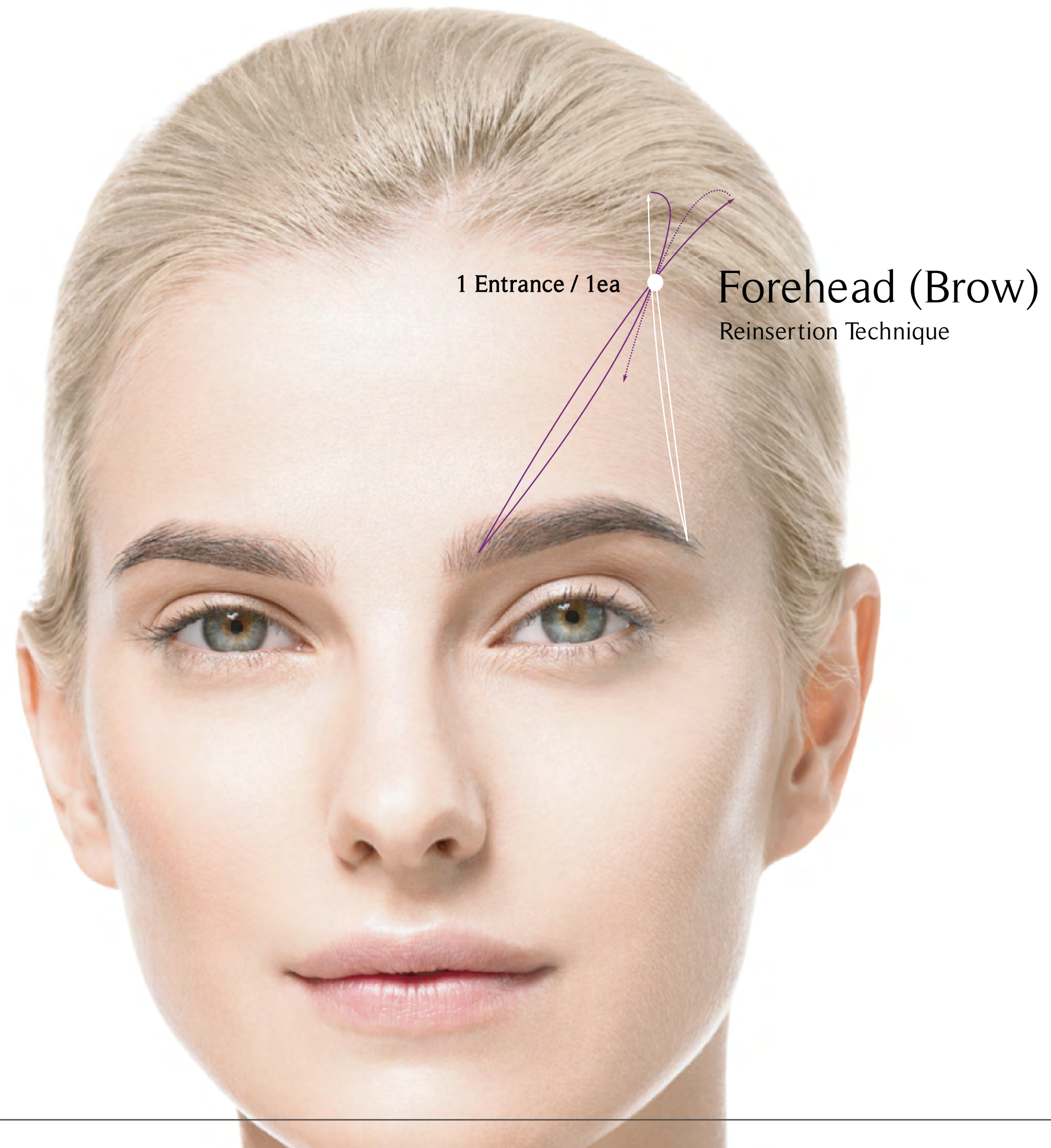


After



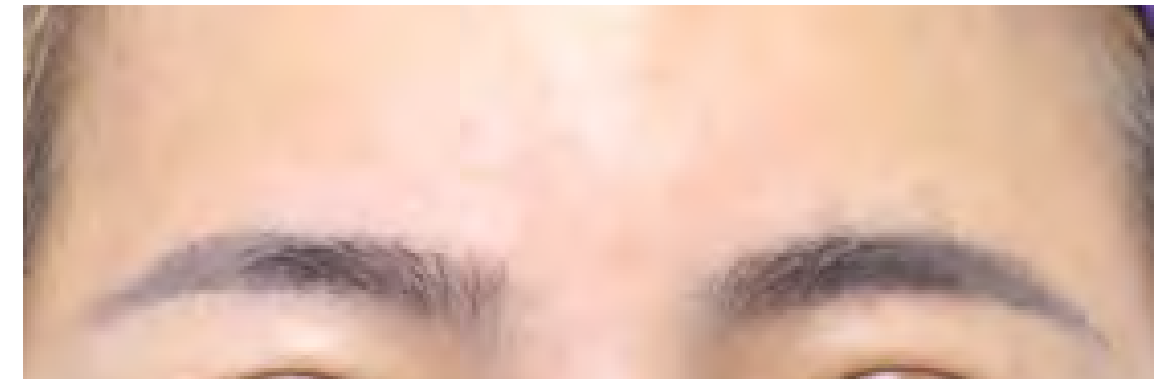


INDICATION



BEFORE & AFTER

Before



After



Before



After





TESSLIFT [soft]  
**WRINKLE Series**

- # SOLID FILLER
- # DEEP STATIC WRINKLE
- # NASOLABIAL FOLDS
- # NO RISK OF BLINDNESS & SKIN NECROSIS



Advanced 3D tubular mesh implants with absorbable central barbed thread, specially designed for instant filling of mild to deep wrinkles by stimulating tissue ingrowth and effective collagen formation.

Effective collagen column formation and tissue regeneration effectively maintain and increase the volume of the wrinkle with the volumizing effect.

TESSLIFT SOFT Wrinkles series normally lasts over 2 years.

A minimum of absorbable PDO mesh scaffolds are used for the filling along the deep static wrinkles.

Risk of damaging the blood vessels is mitigated, reducing infection and recovery time of the patient.

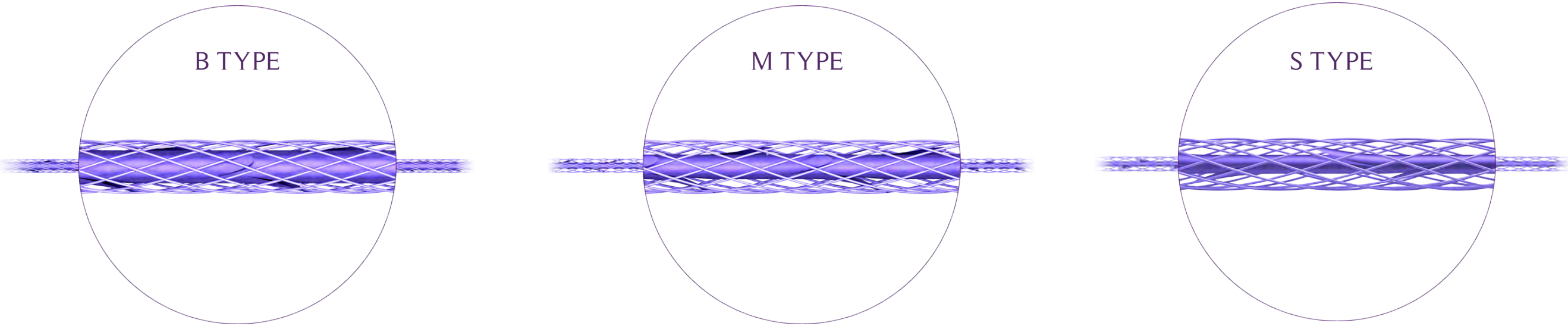




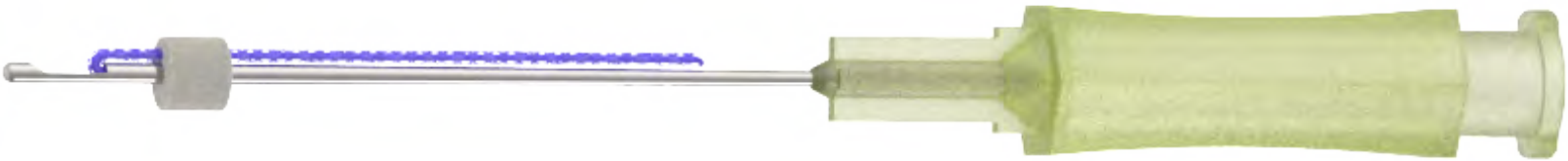
PRODUCT INFO

Component	10 standards, 19G, 30 · 38 · 60mm Cannula Needle
Material Type	PDO [Polydioxanone]
Length	B TYPE 50 · 60 · 70 · 90 mm M TYPE 50 · 60 · 70 · 90mm
USP Size	B TYPE USP 0 (Central Suture) M TYPE USP 2-0 (Central Suture)
Mesh / Barb Design	USP 7-0 (Surrounding Scaffold) 360° 3Dmesh, 360° barb

STRUCTURE



CANNULA TYPE







## INDICATION

# Deep Static Wrinkle

Reinsertion Technique

- Deep static forehead wrinkle
- Deep static neck wrinkle
- Nasolabial fold
- Cheek hollow
- Marionette line

## EFFECTS

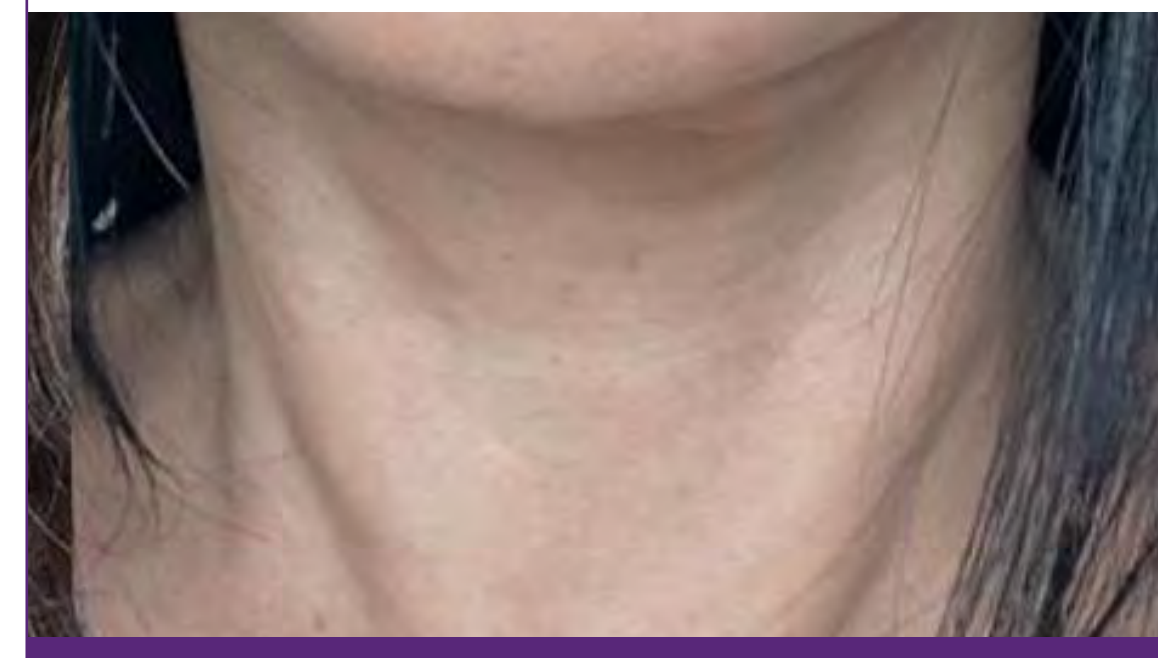
- 01 Longer lasting over 2 years
- 02 Effective collagen production and tissue regeneration  
Longer than fillers with the added advantage of stimulation of collagen formation and tissue regeneration.
- 03 Firmness
- 04 No risks causing blindness & skin necrosis
- 05 No migration & widening
- 06 Bio-activator or “volumizer”

## BEFORE & AFTER

Before



After



Before



After





TESSLIFT [soft]

# BL Series

- # BOTTOCK LIFT
- # NO HOSPITAL STAY #NO SCARRING
- # IMMEDIATE RESULT



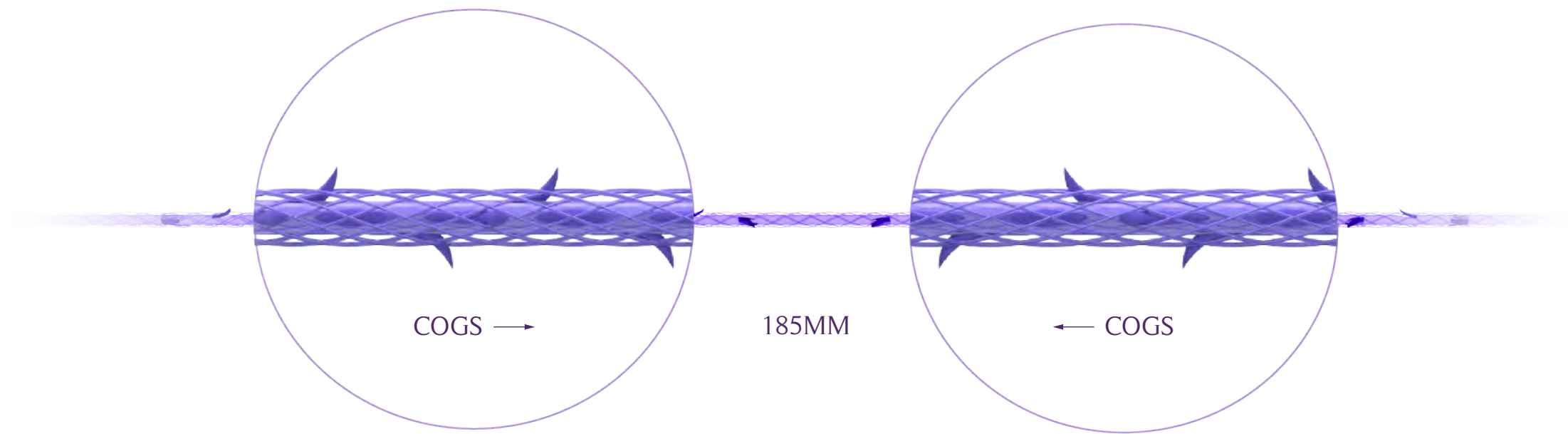
A thread lift is a modern alternative to the buttock lift, eliminating the need for implants or major surgery. However, the conventional threads have weak tensile strength, so even if we use it, the effect disappears immediately. BUTTOCK TESS SCAFFOLDS never breaks and has the effect of inducing adhesion, so it can be used for buttock lift. TESS SCAFFOLD BL series are placed along the length of the buttocks in the subcutaneous tissue, so that the buttocks are elevated, becoming perkier and more rounded, the legs look longer and the body is better proportioned.



## PRODUCT INFO

Component	10 standards, 18G, 100mm Cannula Needle
Material Type	PDO [Polydioxanone]
Length	185mm
USP Size	USP 1 (Central Suture), USP 7-0 (Surrounding Mesh)
Mesh / Barb Design	360° 3D mesh, 360° barb

## STRUCTURE



## CANNULA TYPE





INDICATION

# Buttock Lift

Reinsertion Technique

In the upper buttocks, a fibrous tissue called superficial fascia firmly holds the skin, so it is targeted for lifting, and the upper buttocks has a deep fat layer, so it is easy to move. For this reason and to prevent discomfort after the procedure, the upper buttocks are mainly targeted.

Per side / 8-20ea

EFFECTS

- With Strong Tensile Force
- Adhesion
- Collagen Stimulation

BEFORE & AFTER

Before



After



Before



After







#### TESS CO., LTD.

**TESS H.Q** | 7F REDFACE-BUILDING, 214 BONGEUNSA-RO, GANGNAM-GU, SEOUL, KOREA

**TESS FACTORY / R&D** | 702-703HO, MEDICAL DEVICE COMPLEX CENTER, 200 GIEOPDOSI-RO,JIJEONG-MYEON,WONJU-SI,GANGWON-DO, KOREA



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