



Total rejuvenation solution **RE:**
To enhance your life and beauty.



N-Finders is a global corporation which develops and introduces revolutionary products by innovative research.



www.nfinders.com/eng



"REGENERATIVE MEDICINE CORPORATION"

N-Finders Co.,Ltd.



N-Finders Co., Ltd. is a relatively new corporation established in 2011 that won considerable recognitions in regenerative medicine market based on our theory with a group of medical experts.

Regenerative medicine brand "RE:" has been launched. Its collection includes RE: PRP and RE: PDO Thread. On top of that, its use extends to anti-aging, total rejuvenation and pain treatment on the basis of our scientific evidence through clinical trials.

Furthermore, R&D center exert its effort to develop better products based on humane therapy, regenerative medicine. N-Finders Co., Ltd. is constantly proving itself as a leader of the regenerative medicine both locally and globally.

history

2016

(until Jan)

- 01 Dubai-Abu Dhabi Hands on seminar in UAE
- 01 Hands on seminar in Hong kong
- 01 Johor Bahru- Kuala Lumpur Hands on seminar in Malaysia & Singapore
- 01 IMCAS world congress Anatomy Tokyo Japan
- 09 Hold the 3rd International Cruise Seminar and Party in Seoul
- 10 Launch of N-Scaffold
- 10 Launch of N-Cog Royal

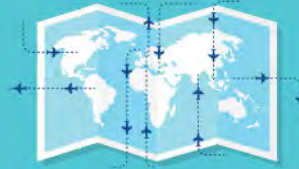


2014

- 01 Conducted animal testing (mouse) using PDO thread (2nd)
- Launched of N-Cog, Derma-Spring
- 03 Attended the 30th KIMES Exhibition
- 05 Acquired its own CE and ISO (polydioxanone)
- 11 Attended the 46th MEDICA Exhibition in Dusseldorf Germany
- 12 Launch of Derma-spring eye

2012

- 06 Conducted animal testing using mini pig of the world's first PDO polydioxanone
- 07 Conducted tissue engineering cell experiments using PDO biodegradable PDO monofilaments
- 09 Foundation of N-Finders Co.,Ltd.
- 10 Launch of integrated corporation brand "RE:"



2015

- 03 Attended the 31st KIMES Exhibition
- 03 Attended the 13th Aesthetic & Anti-aging medicine World Congress In Monaco
- 04 Attended the Dubai World Dermatology and Laser Conference & Exhibition In Dubai
- 05 Attended the Advanced Cadaver Dissection Workshop in Qingdao
- 06 Launch of Y-Ko
- 06 Attended the 23rd World Congress of Dermatology in Vancouver Canada
- 07 Publish SCI paper "Outcomes of Polydioxanone Knotless Thread Lifting for Facial Rejuvenation"
- 11 Hold the International Cruise seminar and party in Seoul
- 11 Attended the 20th COSMOPROF Asia in Hong Kong
- 11 Attended the 47th MEDICA Exhibition in Dusseldorf Germany

2013

- 02 Published a book with the world's first scientific theory upon PDO on the basis of results of animal testing "Skin rejuvenation to make use of absorbable PDO Thread in regenerative medicine"
- 03 Attended the 29th KIMES exhibition
- 12 Acquired a permission of medical device manufacturing industry and won GMP, Conducted animal testing (mouse) using PDO thread (1st)

2011~2012

Launched PDO polydioxanone for cell regeneration and pioneered market



Key Opinion Leaders of N-Finders

Many experts from all over the world are using RE: |  N-COG

“ As a practitioner performing skin rejuvenation procedures using PDO I appreciate the opportunity to conduct animal experiments as well. I feel honored to combine my clinical experience and theoretical knowledge to write this book. ”

Jung-Hyun Yoon Director of YonseiFam's Clinic



“ There were so many thread in Korea, it was difficult to choose a thread. Only N-cog from N-finders could satisfy the detailed requirements of the Japanese strict eyes. It is the only one that underwent proper clinical trials, repeatedly performed animal experiments and got evaluations from essays, reports and books. ”

Dr. YOSHIDA, Yuka (JAPAN)
Hamori Cosmetic & Plastic Surgery Clinic



“ N-Finders developed N-COG by adding variety to shape and location of cogs, and maximized the effect of procedure. ”

Hyung-Joo, Kim of the well Dermatology clinic





Thread lifting is being performed in many hospitals as a facial rejuvenation method to correct facial changes that occur with aging. In the past few years, it has undergone quite a development and even now, its evolution is still ongoing. RE: PDO Thread is not just a method, but the best program of the non-surgical facial rejuvenation. It is a mild and safe face-rejuvenating procedure that lasts a long time.

The N-Finders PDO thread on the other hand, is the world's one and only thread under research. We are constantly exploring and studying via clinical tests based on our objectives for better care and treatment results. N-Finders provides the most effective and trustworthy products by continuous investment and research.

New technology non-surgical face and body lift

Skin rejuvenation from the natural wound-healing process

The Thread therapy originated from a traditional thread-lift philosophy in oriental acupuncture therapy to control and improve tissue stimulation and muscle contraction. RE: thread is an absorbable thread affixed to a fine needle. The needle is inserted to the target layer of the skin. When the needle is taken out, the PDO threads remain implanted in the skin. Insertion of threads activates a natural regenerative process and mechanical stimulation of the wound healing and tissue contraction. The threads are 100% PDO (Polydioxanone), clinically proven as a 'biocompatible material', that is already being used widely in medical suturing.

- **SAFE : 100% biocompatible, no scarring and minimal risk**
- **EASY : Quick procedure with virtually no downtime**
- **NATURAL : Collagen production and skin tightening**

RE:Thread Effectiveness

- Tissue tightening effect
- Neocollagenesis effect
- Neovascularization effect
- Increase of the growth factors: EGF, FGF, IFG, TGF, VEGF
- Lipolysis & Cellulite decrease effect
- Fibrous bridging effect
- Skin rejuvenation and whitening effect
- Overall skin regeneration

RE:Thread Advantages

- Minimal invasive surgery (non-surgical)
- No scars
- Local anesthesia
- Safe and short operation time
- Short downtime
- Fast recovery time
- Relatively easy operation technique
- Natural post op result

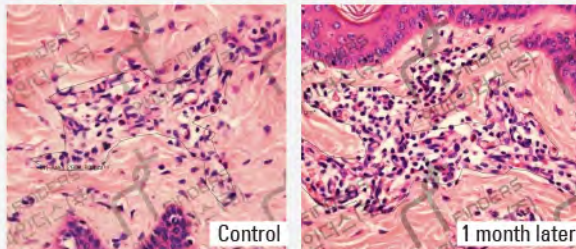
"The world's one and only thread under research" RE: PDO thread

N-Finders is doing the constant studies and clinical tests
for better care and treatment results

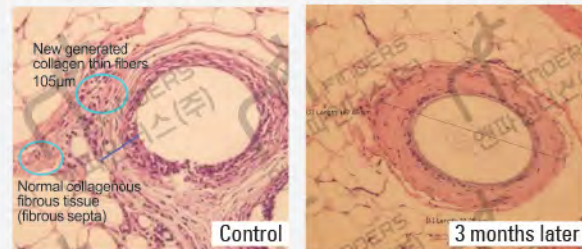


RE:Thread treatment effects have been proven with 3 clinical trials.

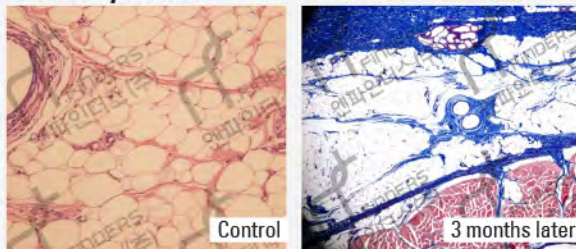
Vascularization- Capillary (left: control)



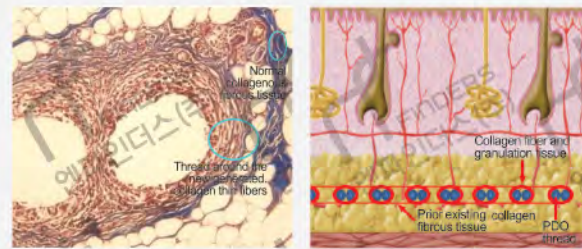
Collagen Synthesis - Early Stage, 3 Months later



Collagen Bridge formation - Junction of pre-existing and newly formed



Bulge formation after inserting spring type PDO thread



Bulge formation after inserting spring type PDO thread



(L) Insertion of 3-5 spring type PDO thread shows augmentation effect.



(R) Inside the tissue, the spring shape remains almost as same as it was before.

Bi-Directional PDO thread insertion



Skin is folding in accordance with inserted threads

Multi-directional PDO thread insertion



Folding is not observed.





MONO THREAD (PDO Thread with needle)



RE:PDO MONO THREAD

New concept of treatment methods based on **Regenerative Medicine**

RE:PDO MONO Thread proved its excellent safety and effectiveness through various clinical research.

It is a non-surgical procedure that brings an outstanding result and maintains its regenerating effect of the skin for a long time.

RE:		NEEDLE GAUGE	NEEDLE LENGTH	THREAD LENGTH	USP	PACKING	
						1Pack	1Box
MONO THREAD		31G	30mm	30mm	7-0	25ea	100ea
		31G	40mm	50mm	7-0		
		29G	30mm	30mm	6-0		
		29G	40mm	50mm	6-0		
		27G	50mm	70mm	5-0		
		27G	60mm	90mm	5-0		
		25G	60mm	90mm	4-0		
		25G	90mm	150mm	4-0		

• Gauge : 19G to 34G • USP size : 0 to 7-0 • Needle : 25 to 120mm • Thread : 10 to 200mm



N-COG

엔-코그

[Newton Cog]

**MULTI-DIRECTIONAL
COGGED THREAD**

WHAT IS THE **N-Cog** ?

Newton-COG's idea is the realization of the true lifting against gravity.

N-COG is a multiple Bidirectional barbed PDO, specially designed to make up for the weaknesses of existing threads preventing skin dimpling, protrusion, and breakage of thread inside the skin tissue.

The unique design of **N-COG** prevents skin dimpling and protrusion after the thread treatment by even distribution of the force. Its efficient design lifts up the entire treatment area through an appropriate procedure established by precise studies and research in which its effect was proven through clinical tests performed on mice by the N-Finders.



N-Cog Multi PDO Thread

01. Safe and Simple treatment process

Side effect free (no thread dimpling after the treatment with multi-cogs)
 Completely biodegradable by hydrolysis.
 Certification : KFDA, CE, KGMP, ISO etc

02. Minimal Invasive Surgery, Non-Surgical Lifting

No incision, minimal infection risk

03. Lifts up the entire treatment area evenly

Prevention of skin dimpling along the thread with the special cog design

04. Persistent Effect

Maintenance of the thread inside the skin for 6-8 months

05. Regenerating Effect

Increase of the growth factors: EGF, FGF, IGF, TGF, VEGF

06. Multi-directional Cog Effect

Multi-directional cogs distribute the force of a thread evenly

N-COG MULTI		NEEDLE GAUGE	NEEDLE LENGTH	THREAD LENGTH	USP	PACKING	
						1Pack	1Box
MULTI-DIRECTIONAL COGGED THREAD		23G	60mm	100mm	3-0	10ea	100ea
		23G	90mm	130mm	3-0		
N-COG MULTI Cannula		NEEDLE GAUGE	NEEDLE LENGTH	THREAD LENGTH	USP	PACKING	
						1Pack	1Box
MULTI-DIRECTIONAL COGGED THREAD		21G	60mm	100mm	2-0	10ea	100ea
		21G	100mm	150mm	2-0		

• Gauge : 18G to 25G • USP size : 1 to 4-0 • Needle : 30 to 120mm • Thread : 30 to 200mm

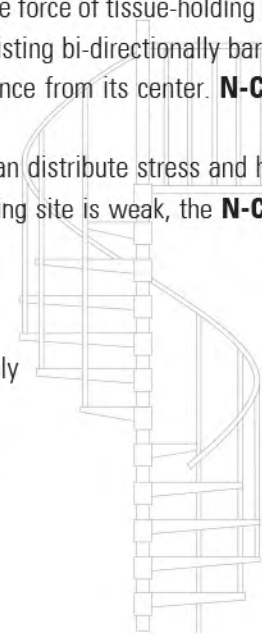


N-Cog Spiral PDO Thread

N-COG Spiral is multi-directionally barbed in spirals. This unique feature enhances the force of tissue-holding and makes it distinctive for the other bidirectional barbed threads. The midpoint of the existing bi-directionally barbed threads gets the most stress. The stress gradually decreases depending on the distance from its center. **N-COG Spiral** PDO thread is designed to achieve equal amount of stress on all cogs.

N-COG Spiral PDO Thread has multi-directional cogs which carved in spirally that can distribute stress and hold tissues longer after the insertion. If the target site is expected to move or the anchoring site is weak, the **N-COG Spiral** PDO would be the best option.

- 01. Extraordinary lifting strength** : More anchoring at 360°
- 02. Even distribution of the strength** : Multi-directional cogs hold tissues more evenly
- 03. No unexpected results** : No dimple, inflammation or protrusion
- 04. Thin area to Thick area** : Better performance to all applicable sites



N-COG SPIRAL Cannula		NEEDLE GAUGE	NEEDLE LENGTH	THREAD LENGTH	USP	PACKING	
						1Pack	1Box
SPIRAL-MULTI COGGED THREAD		23G	60mm	100mm	3-0	10ea	100ea
		23G	90mm	130mm	3-0		
		21G	60mm	100mm	2-0		
		21G	100mm	150mm	2-0		



Y-KO PDO Thread

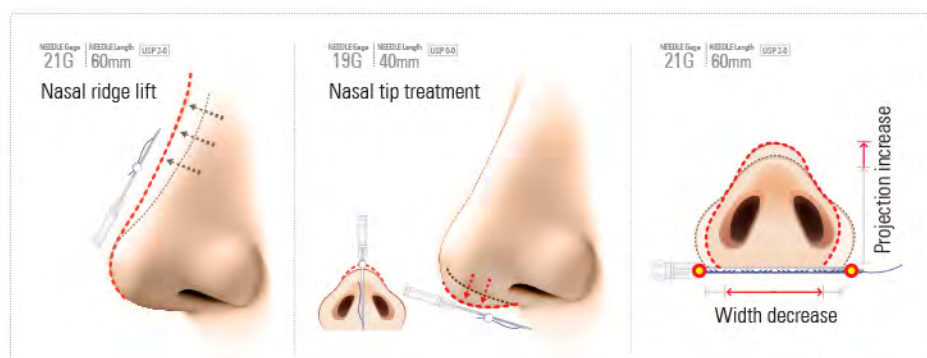
10 minutes (Y-KO)
NOSE LIFTING

Y-KO stimulates patient's intrinsic healing process in order to re-shape a nose. Expected results are higher nasal ridge and shrinkage of the nasal base with a minimized use of fillers and other implanting objects. It is a more simple and safe treatment for nose compared to Rhinoplasty.

Furthermore, the PDO plate is used as a guide to cartilage regrowth preventing 2nd deviation. Studies showed that it's a safe and stable material for implanting on a nose.

Inserted threads work as a structural fixture that results in a different shape compared to a filler or other injectables. Unlike fillers, threads do not affect the shape of a nose caused by dispersion, inflammation, immune response and etc.

Y-KO is unique in terms of cogs. To enhance the strength of tissue-holding, two types of patterns are barbed. **Y-KO does not cause migration, protrusion of the thread** which is the main cause of complications and side effects.



H-COG Y-KO Cannula		NEEDLE GAUGE	NEEDLE LENGTH	THREAD LENGTH	USP	PACKING	
						1Pack	1Box
MULTI-DIRECTIONAL COGGED THREAD		19G	40mm	30mm	0-0	10ea	100ea
		21G	60mm	90mm	2-0		

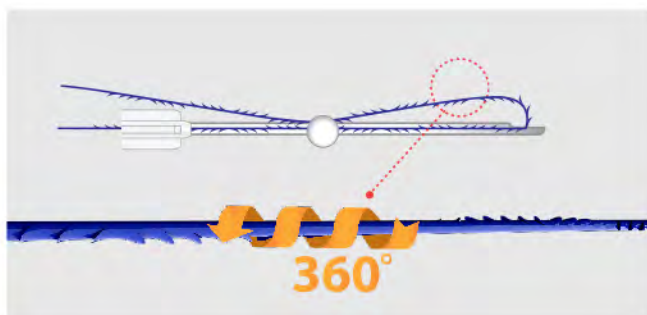


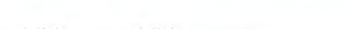
N-Cog Royal PDO Thread

N-COG ROYAL was developed from the idea of N-Cog that is globally recognized for its safety and effectiveness. It was achieved based on the constant researches done throughout the production. Unlike molding and press thread, **N-COG ROYAL** is a handmade product that is exquisitely designed with a unique pattern added onto the basic of N-Cog Spiral. It is the royal family of threads that brings the ultimate effect of tissue fixation. Not only does it induce collagen proliferation, skin tightening, whitening, and rejuvenation, it can lift all layers of the skin including: periosteum, SMAS and dermis. The new pattern of the Royal cogs can guarantee an outstanding lifting result despite the friction from all directions. You may now enjoy the surgical effect that is stronger than it's ever been by only MIS (Minimal Invasive Surgery) Non-Surgical Lifting procedure. The procedure may involve a combination of other threads including: N-Scaffold, N-cog Spiral, RE:mono thread and etc.

N-COG Royal Advantages

- STRONGER LIFTING EFFECT WITH SPIRAL COG
- EXCELLENT STABILITY QUALIFIED BY N-COG
- EXPANDABILITY OF TARGETING VARIOUS TISSUES
- CONVENIENCE OF INSERTING MULTIPLE THREADS AT ONCE
- IMPROVEMENT OF EPIDERMIS AND LIFTING OF DEEP AND SUPERFICIAL LAYER COMBINING WITH A VARIETY OF THE COMPANY PRODUCTS



N-COG ROYAL CANNULA		NEEDLE GAUGE	NEEDLE LENGTH	THREAD LENGTH	USP	PACKING	
						1Pack	1Box
SPIRAL-MULTI COGGED THREAD		21G	100mm	280mm	2-0	5ea	50ea

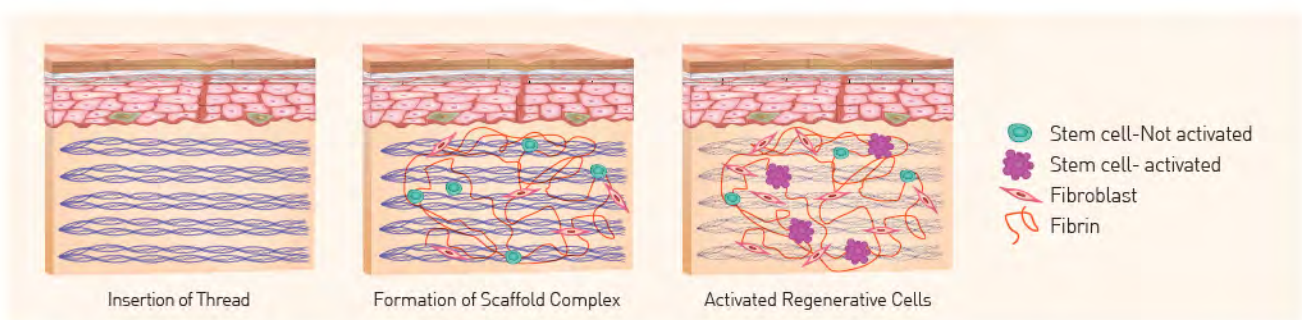


N Scaffold PDO Thread



N-SCAFFOLD is a well developed product by numerous research that N-Finders has been working on. Unlike the existing mono and cog products, it has a structure of fine threads (USP 7-0) braided in a complex form. Despite its complex form, it can be applied non-invasively and can be expected to bring a good satisfaction in safety and effectivity.

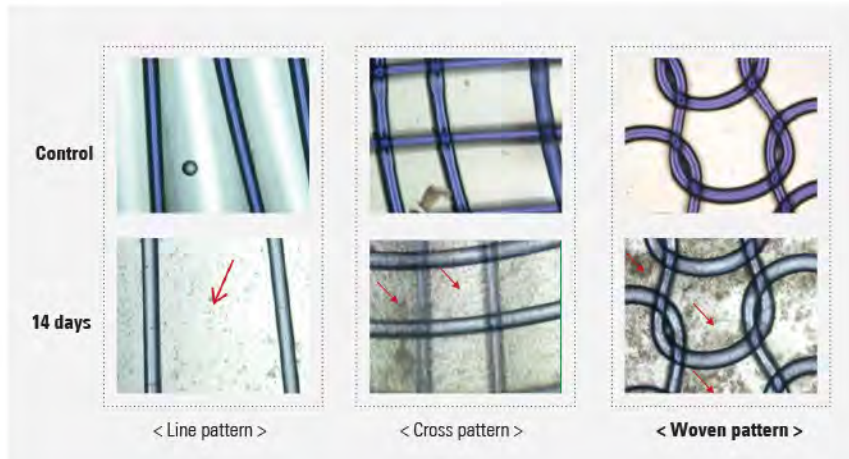
N-SCAFFOLD works as a template after it's inserted into the targeted area. The fibrin that appears from a wound healing response connects the gaps between PDO which helps attract and hold various regenerating factors and let regenerating cells migrate and proliferate easily. Cells that are concerned with induced regeneration are able to perform its role in the targeted areas and attract other cells of the immune response to land on their appropriate parts and attract other various factors in addition.



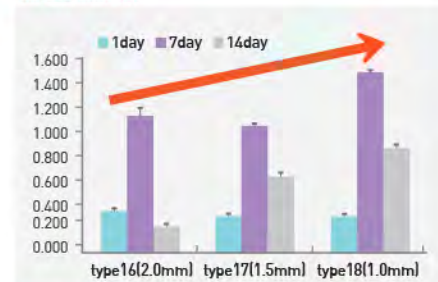
N-SCAFFOLD scientific background

Cell proliferation increases when the thinner strands are woven tightly together. The more complicated strands are bonded the more cell proliferation occurs.

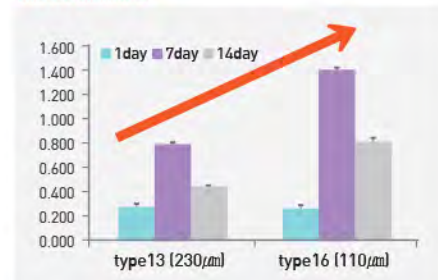
[Source : N-Finders Co., Ltd. et al.,2012]



Thread interval



Thread diameter



N-SCAFFOLD Effectiveness

- Skin tightening effect
- Neocollagenesis effect
- Neovascularization effect
- Increase of the growth factors: EGF, FGF, IFG, TGF, VEGF
- Lipolysis & Cellulite decrease effect
- Fibrous bridging effect
- Skin rejuvenation and whitening effect
- Overall skin regeneration

N-SCAFFOLD Indication

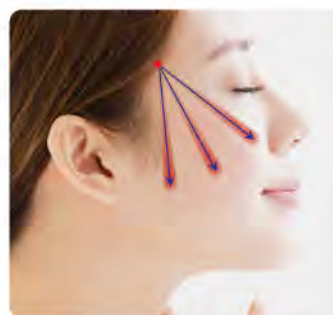
- Deep wrinkles
- Marionette wrinkles
- Nasolabial Folds
- Forehead lines
- Frown lines
- Whitening & Tightening
- Neck lines
- Face lift

N-SCAFFOLD Main Application



1. Neck line

Insert threads following the neck line.



2. Face lifting Combined with N-COG

Relying only on the cogs limits the lifting effect to a partial lifting. Therefore, the solution to the ultimate result of the whole face lifting is adding in the application of **N-SCAFFOLD** to the basic **N-COG** thread lifting procedure.

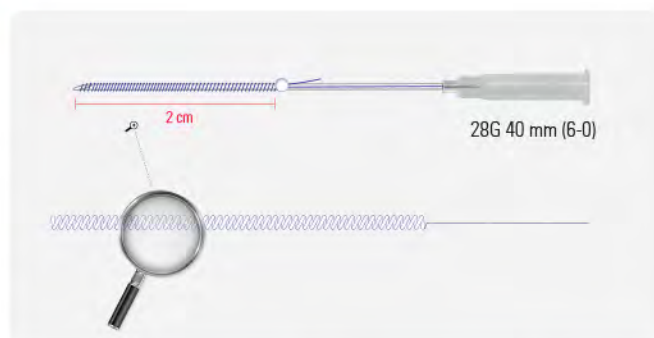


■ N-SCAFFOLD
■ N-COG

N SCAFFOLD Cannula		NEEDLE GAUGE	NEEDLE LENGTH	THREAD LENGTH	USP	PACKING	
N-SCAFFOLD BRAID		21G	60mm	90mm x12	7-0	10ea	100ea
		21G	100mm	120mm x12	7-0		
		25G	40mm	20mm x8	7-0		



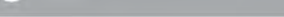
Derma-spring PDO Thread



- Elastic force maintained after the insertion
- Continuous skin stimulation from PDO threads
- Increased production of collagen
- Increased growth factors and cytokines
- High density linear effect by fibrous bridging
- Augmentation effect by insertion denselycoiled threads (coil length: 2cm, spread length: 10cm)
- Continuous mechanotransduction effect
- High cell cultivation with a large contact area

<Derma-spring **Marionette** wrinkle >

<N-Cog + Derma-spring **Nasolabial folds**>

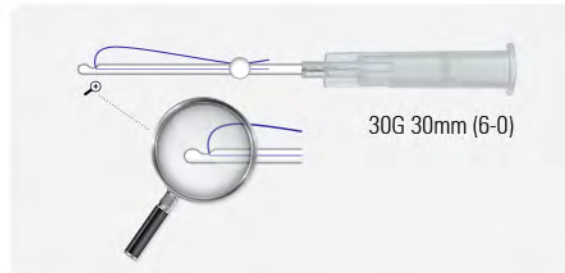
Derma Spring		NEEDLE GAUGE	NEEDLE LENGTH	THREAD LENGTH	USP	PACKING	
						1Pack	1Box
SPRING THREAD		28G	40mm	100mm	6-0	5ea	100ea



+ 더마스프링 아이 *eye*
Derma Spring
MICRO-CANNULA
EYE ZONE THREAD

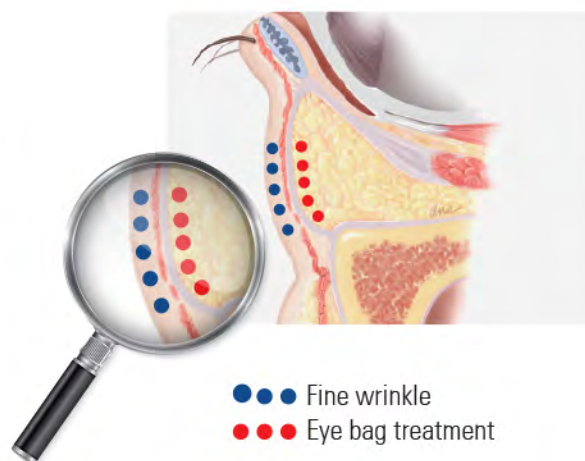
Derma-spring eye PDO Thread

DERMA-SPRING EYE is specially designed for the eye area. The special blunt needle allows optimal treatment without any side effects. Patients' comfort is assured: minimized risk of bruising and edema. PLUS the PDO Thread effects of contouring, neocollagenesis, neovascularization and lipolysis ensure optimal results and patients' satisfaction!



MAJOR FEATURES OF DERMA-SPRING EYE

- Less bleeding, swelling and bruising
- Removing dark circles, wrinkles, and bags under the eyes depending on the inserting layer
- Efficiently reduces the sagging around the eyes
- continuous skin stimulation from the PDO threads
- Increased production of collagen
- Increased secretion of growth factors and cytokines
- Continuous mechanotransduction effect
- 100% PDO, a clinically proven bio-compatible material.



Derma Spring <i>eye</i>		NEEDLE GAUGE	NEEDLE LENGTH	THREAD LENGTH	USP	PACKING	
						1Pack	1Box
MONO THREAD		30G	30mm	40mm	6-0	5ea	100ea

PDO THREAD list

RE: MONO THREAD

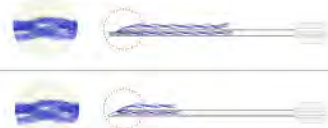
RE:		NEEDLE GAUGE	NEEDLE LENGTH	THREAD LENGTH	USP	PACKING	
						1Pack	1Box
MONO THREAD		31G	30mm	30mm	7-0	25ea	100ea
		31G	40mm	50mm	7-0		
		29G	30mm	30mm	6-0		
		29G	40mm	50mm	6-0		
		27G	50mm	70mm	5-0		
		27G	60mm	90mm	5-0		
		25G	60mm	90mm	4-0		
		25G	90mm	150mm	4-0		

Derma Spring		NEEDLE GAUGE	NEEDLE LENGTH	THREAD LENGTH	USP	PACKING	
						1Pack	1Box
SPRING THREAD		28G	40mm	100mm	6-0	5ea	100ea
Derma Spring eye		NEEDLE GAUGE	NEEDLE LENGTH	THREAD LENGTH	USP	PACKING	
						1Pack	1Box
MONO THREAD		30G	30mm	40mm	6-0	5ea	100ea

COG THREAD

COG MULTI		NEEDLE GAUGE	NEEDLE LENGTH	THREAD LENGTH	USP	PACKING	
						1Pack	1Box
MULTI-DIRECTIONAL COGGED THREAD		23G	60mm	100mm	3-0	10ea	100ea or 60ea
		23G	90mm	130mm	3-0		
COG MULTI Cannula		NEEDLE GAUGE	NEEDLE LENGTH	THREAD LENGTH	USP	PACKING	
						1Pack	1Box
MULTI-DIRECTIONAL COGGED THREAD		21G	60mm	100mm	2-0	10ea	100ea or 60ea
		21G	100mm	150mm	2-0		
COG SPIRAL Cannula		NEEDLE GAUGE	NEEDLE LENGTH	THREAD LENGTH	USP	PACKING	
						1Pack	1Box
SPIRAL-MULTI COGGED THREAD		23G	60mm	100mm	3-0	10ea	100ea or 60ea
		23G	90mm	130mm	3-0		
		21G	60mm	100mm	2-0		
		21G	100mm	150mm	2-0		
COG Y-KO Cannula		NEEDLE GAUGE	NEEDLE LENGTH	THREAD LENGTH	USP	PACKING	
						1Pack	1Box
MULTI-DIRECTIONAL COGGED THREAD		19G	40mm	30mm	0-0	10ea	100ea or 60ea
		21G	60mm	90mm	2-0		
COG ROYAL Cannula		NEEDLE GAUGE	NEEDLE LENGTH	THREAD LENGTH	USP	PACKING	
						1Pack	1Box
SPIRAL-MULTI COGGED THREAD		21G	100mm	280mm	2-0	10ea	100ea or 60ea

Nscaffold THREAD

N Scaffold Cannula		NEEDLE GAUGE	NEEDLE LENGTH	THREAD LENGTH	USP	PACKING	
						1Pack	1Box
N-SCAFFOLD BRAID		21G	60mm	90mm x12	7-0	10ea	100ea
		21G	100mm	120mm x12	7-0		
		25G	40mm	20mm x8	7-0		