





Upgraded New Injection Lipolysis

What is VNS?

It is a high-concentrated premium VNS solution that combines only papain enzyme and excellent ingredients for fat decomposition to increase metabolism of fat cells and accelerate it. It is distinguished from existing contour injection.

KEY Ingredients

- Papain enzyme
- Lecithin
- L-carnitine
- Deoxycholate
- Hyaluronidase
- Centella asiatica
- Vitamin B
- Tyrosine
- Juglans regia
- Aesulus Hippocastanum



VNS Ampoule Solution Benefits

1. Increase skin elasticity

- Decreases adipocytes and produces collagen
- Improve skin texture

2. Removes fat cell and cellulite more effectively

- Break down fat and remove inflammation
- Reduces the number and size of fat cells to maximize fat reduction.

3. Reducing edema and eliminate cellulite

- It facilitates the circulation of the lymphatic fluid and can rapidly release the degraded fat cells.

4. Painless

- Even those who are senitive to pain can receive treatment without pain.

5. No swelling

- Can go back to work right away without any swelling.

6. Safe

- Use of natural ingredients and numerous clinical experiments guarantee the safety of product.



How treatment works

Induction of fat metabolism

Carbohydrates and fats lead to energy

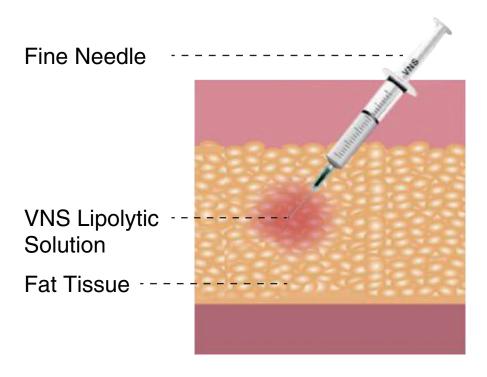
AMPOULE SOLUTION

Carbohydrates and fats lead to energy

Increased blood flow reduces edema

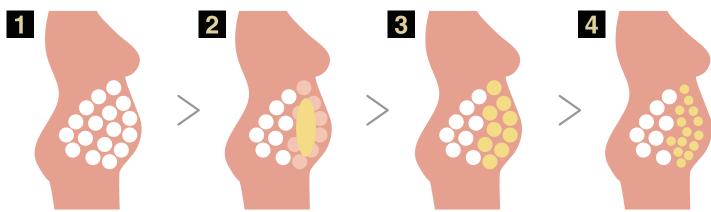
Mechanism of action of VNS lipolytic solution





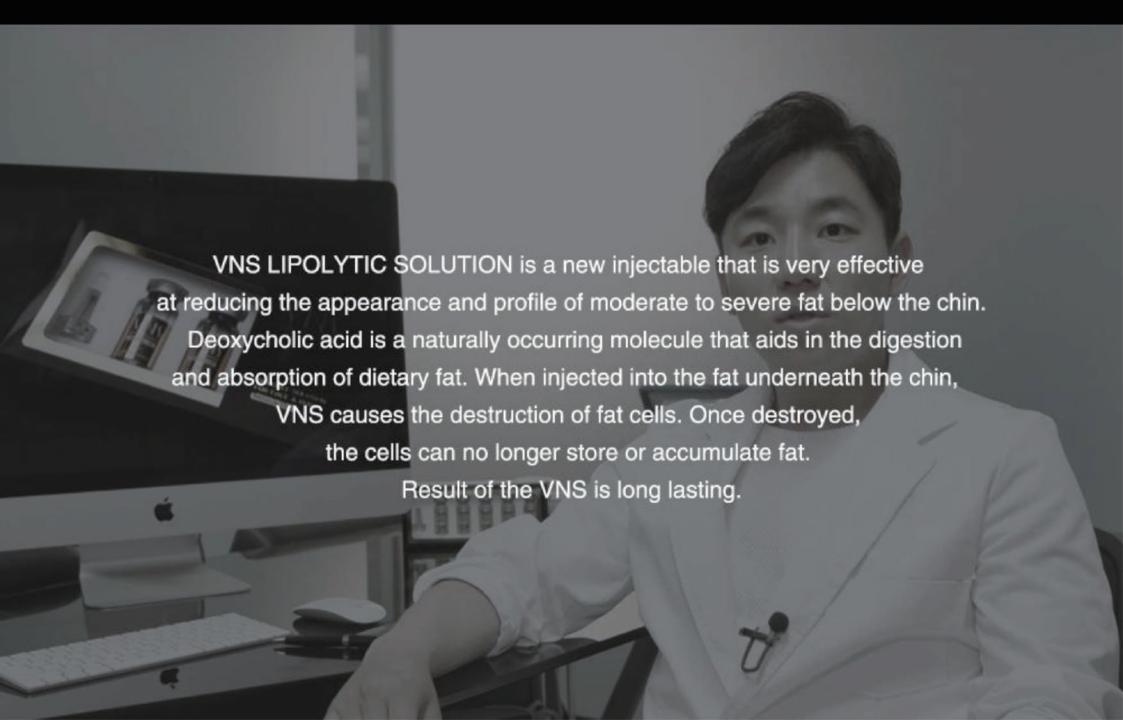
How do VNS lipolytic injections work?

Following injection of VNS lipolytic solution, the adipocyte cell wall is destroyed, resulting in the cascade of inflammatory necrosis of cell and reduction in the size of adipocytes. Inflammatory cascade also results in fibroblast migration and stimulation, resulting in buildup of more collagen.



Effectiveness





Effectiveness

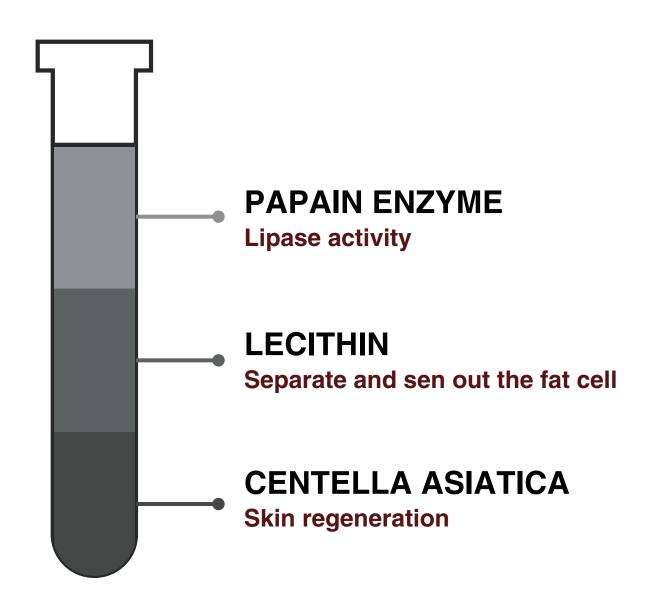




- 1. Most of the patients treated with injection lipolysis for the reduction of double chin are extremely satisfied with the outcome as per our experience.
- 2. Reports published about the treatment results of other body sites have claimed to achieve reduction in upper belly by 3.7cm, lower belly by 3.9cm, thighs by 1.9cm and upper arms by 1.6cm.
- 3. For safety reasons, lower eye pads have been eliminated from the list of lipolysis indications by the Network Lipolysis, and the treatment should only be performed by physicians who are able to make a releasing cut in case of retro-orbital bleeding.

VNS KEY Ingredients





VNS How treatment works



PAPAIN ENZYME CENTELLA ASIATICA

1

Papain enzyme

Induces activation of fat metabolism and fat decomposition

2

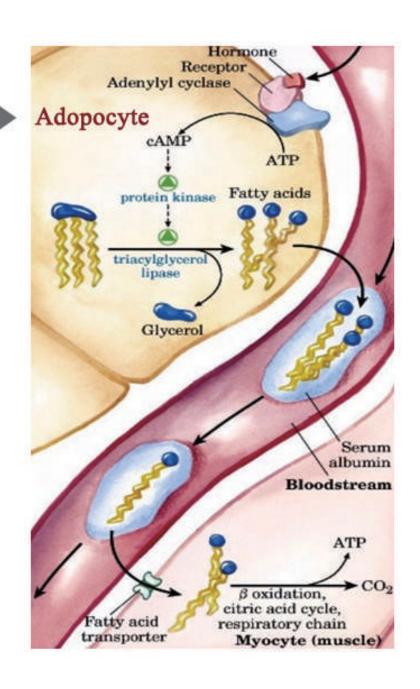
Centella asiatica

Increases blood flow and destroys & transports unnecessary fat cells

3

Lecithin

Break down fat and remove inflammation



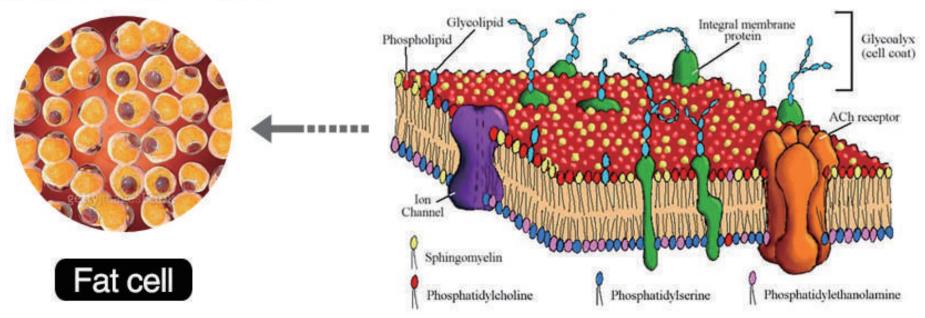
PAPAIN & LECITHIN



Lecithin: Fat Lipolysis

Papain: Protein Lysis

Fat cell membrane



WHAT IS PAPAIN?





파파인효소는 열대 과일 파파야의 과일 및 잎에서 추출되는 시스테인 단백질 가수분해 효소입니다.

Papain is a powerful digestive enzyme commonly found and extracted from the papaya fruit (Carica papaya) latex, leaves and stems.

지방, 단백질 분해, 항염, 항암작용 등 중요한 생리 활성 기능을 합니다.

All crude papaya latices exhibit proteolytic, lipolytic, and interesterification activities

자연에서 발견되는 강력한 효소로 큰 지방과 단백질 덩어리라도 잘게 분해하는 기능이 있습니다.

Papain can play a role in many physiological processes and influence disease processes.

WHAT IS LECITHIN?





지방분해효소인 lipase 활성 증가 stimulation of lipase activity

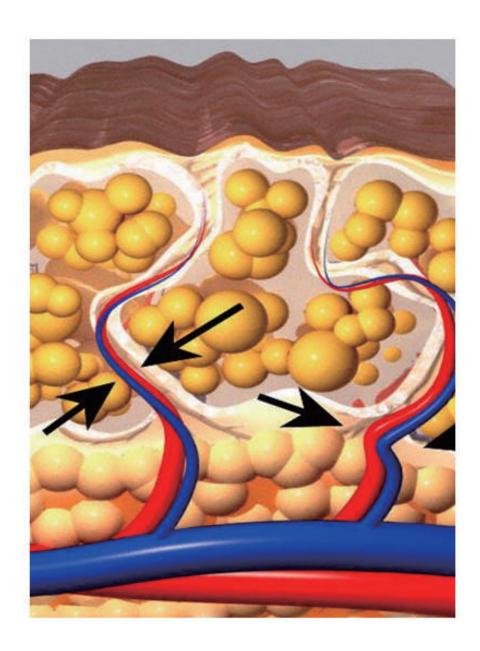
지방세포 내 트리글리세라이드 분해 및 이송

emulsification and transport of triglycerides

지방세포벽 분해 detergent action 혈관에 엉겨 붙은 노폐물과 중성지방 등 혈액 속의 좋지 않은 콜레스테롤을 분해하여 체외로 배출

WHAT IS LECITHIN?





Lecithin is a generic term to designate any group of yellow-brownish fatty substances occurring in animal and plant tissues, which are amphiphilic – they attract both water and fatty substances (and so are both hydrophilic and lipophilic).

It is usually available from sources such as soybeans, eggs, milk, marine sources, rapeseed, cottonseed and sunflower.

It has low solubility in water, but is an excellent emulsifier.

In aqueous solution, its phospholipids can form either liposomes, bilayer sheets, micelles, or lamellar structures, depending on hydration and temperature.

This results in a type of surfactant that usually is classified as amphipathic. Lecithin is used to treat liver ailments and hypercholesterolemia. The mechanism appears to be enhancement of cholesterol metabolism in the digestive system.

Lecithin possess beneficial properties in reducing cholesterol levels and controlling or preventing atherosclerosis.

EFFECT OF LECITHIN



THE EFFECT OF LECITHIN ON INTESTINAL CHOLESTEROL UPTAKE BY RAT INTESTINE IN VITRO

By ALFRED J. RAMPONE

From the Department of Physiology, University of Oregon Medical School, Portland, Oregon 97201, U.S.A.

(Received 25 September 1972)

SUMMARY

- 1. Sacs 20 cm long were obtained from the upper half of the small intestine of bile fistula rats (bile duct cannulated 48 hours previously). The sacs were everted, filled with oxygenated phosphate buffer and incubated 1 hr at 37° C in 25 ml. of a buffered micellar solution of oleic acid (0.6 mm), mono-olein (0.3 mm), sodium taurocholate (4.8 mm) and ³H-labelled cholesterol (0.15 mm) plus glucose (28 mm).
- 2. After incubation the amount of [3 H]cholesterol taken up by the mucosal tissue was measured. It averaged 200 n-mole/hr.g tissue wet wt. \pm 6 (s.e.).

3. Adding 3 ml. whole rate bile with other factors unchanged caused cholesterol untake to decrease by 50 % in confirmation of previous studies.

Reduction in cholesterol permeability by lecithin (lecithin에 의해 콜레스테롤 분해)
- J. Phygiol. (1973), 229, pp. 505-514

om rat liver tissue, and from egg take. A significant response was centration 0.13 mm) and a near ration 0.80 mm). 10 mg lecithin lent to that obtained with 3 ml.

whole bile.

- 5. Lecithin is an active component of whole bile causing reduced intestinal cholesterol uptake from micelles.
- The decreased uptake of cholesterol in the presence of lecithin may have been the result of expansion of the cholesterol-containing micelles with consequent reduction in cholesterol permeability.



CENTÉLLA ASIATICA

- Centella asiatica, commonly known as centella, Asiatic pennywort or Indian pennywort or Gotu kola, is a herbaceous,
 frost-tender perennial plant in the flowering plant family Apiaceae, subfamily Mackinlayoideae. It is native to wetlands in Asia.
 It is used as a culinary vegetable and as medicinal herb.
- In traditional medicine, Centella asiatica has been used in an attempt to treat varicose veins, chronic venous insufficiency....
- Centella Asiatica is rich in amino acids, beta carotene, fatty acids, and phytochemicals.
 This super blend of nutrients offers fantastic benefits for the skin, including powerful anti-aging properties read on!
- Gotu Kola improves circulation as well as the synthesis of collagen and skin tissue. Collagen is absolutely essential for maintaining a taut and youthful complexion. The natural collagen we are born with diminishes as we age (at a rate of about 1% per year). By incorporating the benefits of Centella Asiatica into your daily skincare regimen, you'll be supporting your skin's Underlying structure, therefore fending off the telltale signs of aging –wrinkles and loss of firmness. Centella Asiatica is especially beneficial for improving elasticity goodbye sagging skin.



Centella asiatica in cosmetology

Wiesława Bylka, Paulina Znajdek-Awiżeń, Elżbieta Studzińska-Sroka, Małgorzata Brzezińska

Department of Pharmacognosy, Poznan University of Medical Sciences, Poland Head: Prof. Irena Mattawska

Postep Derm Ale

Abstract

Centella asiatica known as Gotu Kola is a medicinal plant that has been used in folk medicine for as well as in scientifically oriented medicine. The active compounds include pentacyclic triterpene side, madecassoside, asiatic and madecassic acids. Centella asiatica is effective in improving treatmen hypertrophic wounds as well as burns, psoriasis and scleroderma. The mechanism of action involves last proliferation and increasing the synthesis of collagen and intracellular fibronectin content and also improvement of the tensile strength of newly formed skin as well as inhibiting the inf keloids. Research results indicate that

It can be used in the treatment of ... cellulite

(Centella asiatica가 셀룰라이트 치료에 사용될 수 있음) - Postep.Derm.Alergol 2013;XXX, 1:46-49

Centella asiatica (C. asiatica) plays a key role in traditional Ayurvedic medicine, tr

C. asiatica's ancient reputation earned its place in modern alternative medicine a a number of clinical studies.

C. asiatica has many other practical uses because of its ability to improve circulat varicose and spider veins. Also it is often used as an active ingredient in the cosm The purpose of this study is to analyse the effect of obesity treatment on abdomi

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Here we present that the group treated with C. asiatica extracts showed significan compositions and concentrations of triglyceride in blood in comparison with the

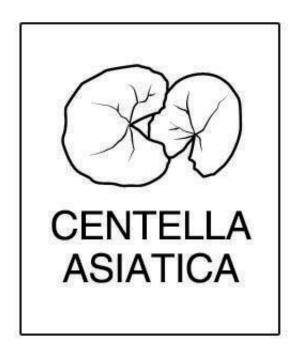
Centella Asiatica가 비만 관련 질환 예방에 도움이 될 수 있음

- Journal of the Korean Society of Cosmetology 2010; 16(1): pp.169-175

The C. asiatica treatment has positive influence upon physical slimming, body circumrerence reduction and so on

These imply that if this ingredient is largely used for abdominal obesity management, it could be more helpful to preventing obesity related disease.





Anti-hyperlipidemic properties of C.asiatica ...

(Centella asiatica가 항과지질 성질이 있음) Frontiers in Pharmacology. (2016), 28.October.Vol(7)

In vitro and In vivo Antioxidant, Anti-hyperlipidemic Properties and Chemical Characterization of Centella asiatica (L.) Extract

Sima Kumari¹, Meetali Deori¹, R. Elancheran², Jibon Kotoky² and Rajlakshmi Devi¹*

Biochemistry Laboratory, Life Sciences Division, Institute of Advanced Study in Science and Technology, Guwahati, India, Drug Discovery Laboratory, Life Sciences Division, Institute of Advanced Study in Science and Technology, Guwahati, India

The study aimed to identify the phenolic compounds present in Centella asiatica (L.) (C. asiatica) extract and evaluate the respective antioxidant potential as well as its cholesterol-lowering effects in the experimental animal model. Herein, the antioxidant potential of extracts was assessed by its free radical scavenging activity such as 2, 2-diphenyl -1- picrylhydrazyl as well as reducing capability. The anti-hyperlipidemic effects of C. asiatica extract (CAE) were evaluated in high cholesterol-fed (HCF) rats for 4 weeks, where different concentrations of extracts (0.25, 0.5, and 1 g/kg/day) were orally administrated daily. Lipid and antioxidant profiles, including total cholesterol (TC), triglyceride (TG), low density lipoprotein cholesterol (LDL-C), high density lipoprotein cholesterol (HDL-C) and superoxide dismutase (SOD), together with the indices of hepatic functions were also examined. C. asiatica revealed excellent free radical scavenging activity as revealed by 2-2- diphenyl-1-picryl-hydrazyl (DPPH) assay, with the IC50 values (9.62 ± 0.88 µg/mL). Furthermore, C. asiatica extracts and fenofibrate remarkably lowered the level of TC, TG, LDL-C, and showed elevated levels of HDL-C, SOD. The histopathological observations further demonstrated clear differentiation and structural changes in liver of HCF and CAE treated group, Furthermore, gulonic acid, ferulic acid, kaempferol, chlorogenic acid, and asiatic acid were identified to be the major components which might be responsible for the antioxidant activity of the C. asiatica extract as evidenced from an ultra-high performance liquid chromatography mass spectrometer. Taken together, these results signifies the excellent antioxidant and anti-hyperlipidemic properties of C. asiatica leaf extracts, which might be useful for the treatment of oxidative-stress related diseases such as hyperlipidemia.



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Department of Pharmacognosy, Poznan University of Medical Sciences, Poland Head: Prof. Irena Matławska

Postep Derm Alergol 2013; XXX, 1: 46-49 DOI: 10.5114/pdia.2013.33378

Abstract

Centella asiatica known as Gotu Kola is a medicinal plant that has been used in folk medicine for hundreds of years as well as in scientifically oriented medicine. The active compounds include pentacyclic triterpenes, mainly asiaticoside, madecassoside, asiatic and madecassic acids. Centella asiatica is effective in improving treatment of small wounds, hypertrophic wounds as well as burns, psoriasis and scleroderma. The mechanism of action involves promoting fibroblast proliferation and increasing the synthesis of collagen and intracellular fibronectin content and also improvement of the tensile strength of newly formed skin as well as inhibiting the inflammatory phase of hypertrophic scars and keloids. Research results indicate that it can be used in the treatment of photoaging skin, cellulite and striae.

"It can be used in the treatment of ... cellulite"

(Centella asiatica가 셀룰라이트 치료에 사용될 수 있음)
- Postep.Derm.Alergol 2013;XXX, 1:46-49



The Effect of Abdominal Treatment of Obese with Centella asiatica Extracts on Changes of Body Composition and Triglyceride in Blood

Centella asiatica (C. asiatica) plays a key role in traditional Ayurvedic medicine, treating a myriad of conditions.

C. asiatica's ancient reputation earned its place in modern alternative medicine and it has even been examined in a number of clinical studies.

C. asiatica has many other practical uses because of its ability to improve circulation and strengthens vessel walls, varicose and spider veins. Also it is often used as an active ingredient in the cosmetic industry.
The purpose of this study is to analyse the effect of obesity treatment on abdominal obese With C. asiatica extracts.
This research divided 20-30's women who have more than 30% higher percent body fat.

Here we present that the group treated with C. asiatica extracts showed significant differences in changes of body compositions and concentrations of triglyceride in blood in comparison with the control group.

The C. asiatica treatment has positive influence upon physical slimming, body circumference reduction and so on.

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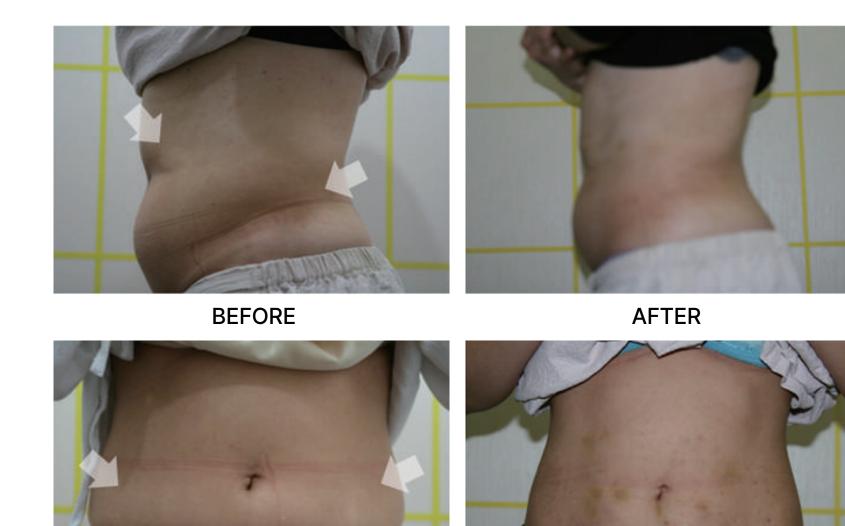
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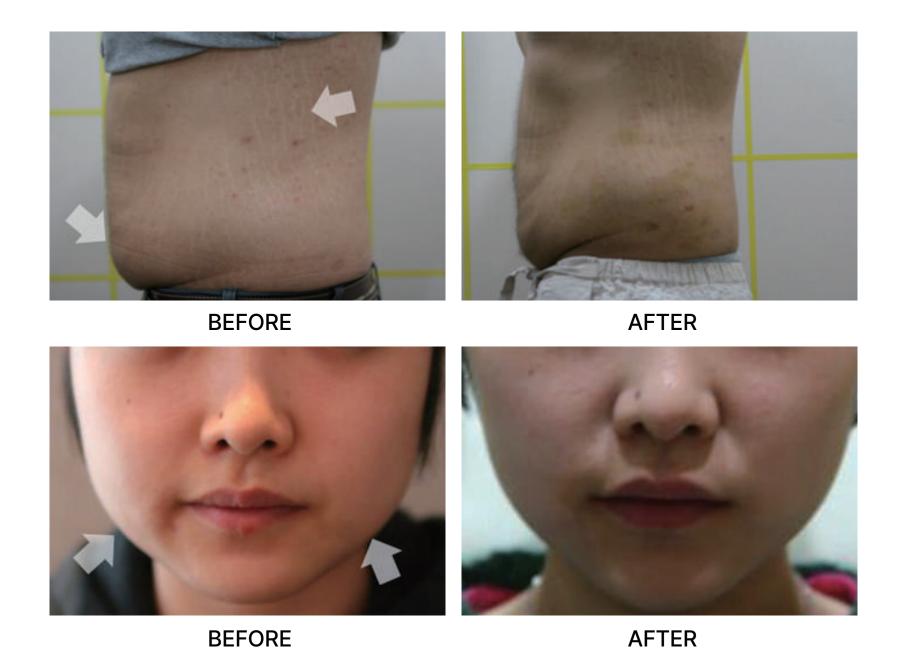




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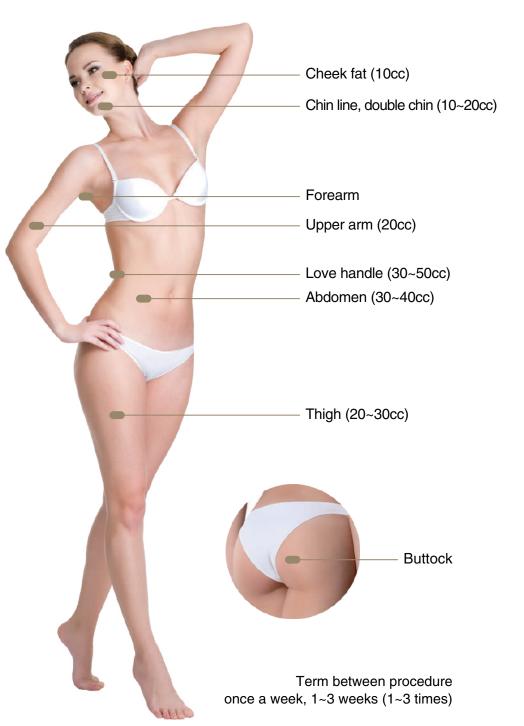


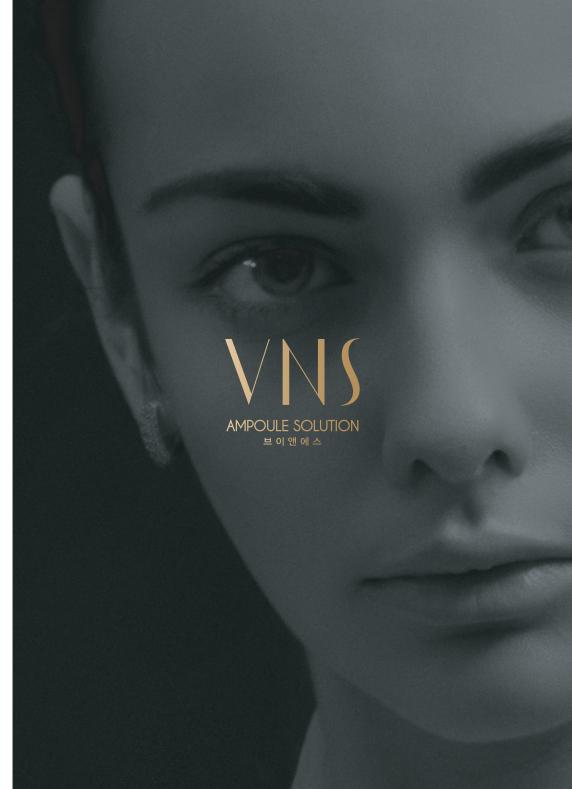


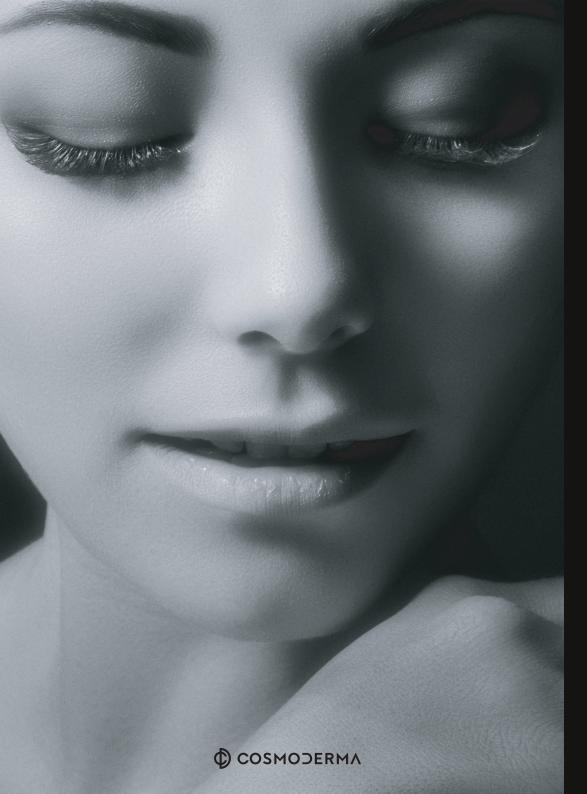
VNS WITH DERMATOLOGY











Specifications & Indications

Needle size	30G
Shelf life	24 month
Function	It acts on fat cells and remove fat and non-surgica injection therapy.
Injection distance	Injection verically 1~1.5cm as a distance storage
Storage	Between 2~25c. protect from direct sunlight and freezing
Packaging	1box / 5vials 10ml / 1vial
Injection depth	Subcurameous fat
Maximum dosage per day	Body: 30ml, Face: 10ml

