



U – MINE KOREA

More than an Aesthetic

Company Profile Book 2024

We manufacture products based on natural raw materials

Born to science. It's our mission



U-MINE Aesthetics, U-MINE Cosmetics, U-MINE Device

U-MINE Academy General Representative

U-MINE Rehabilitation and Treatment Division Representative

Director of Facial Asymmetric Correction

Master of Women's Womb Care Certified in South Korea

A State-Certified Massager

Developer of Multi-Cure Devices

U-MINE Body Jet

U-MINE K Seed Mineral Liquid

U-MINE K Mist

U-MINE K Cream & K Sunblock Cream

CEO profile 유 마 인

BRAND HISTORY

2009

Far Infrared Liquid,
Aesthetics Program Development

2012

Steam Shower Program Development
with Celebrities and Athletes

2015

Cheekbone look smaller
Without Surgery
facial asymmetry correction management
techniques
Body Slimming Program Development

2016

AGASTIK
3 Second Cream Development

2020

U-MINE BODY ZET Franchisee
400th store opened

2023

U-MINE K
BIO CREAM / BIO SHAMPOO Development

2024

China / Vietnam / Thailand / Taiwan
United Kingdom / Dubai Contract
New BODY JET Coming soon

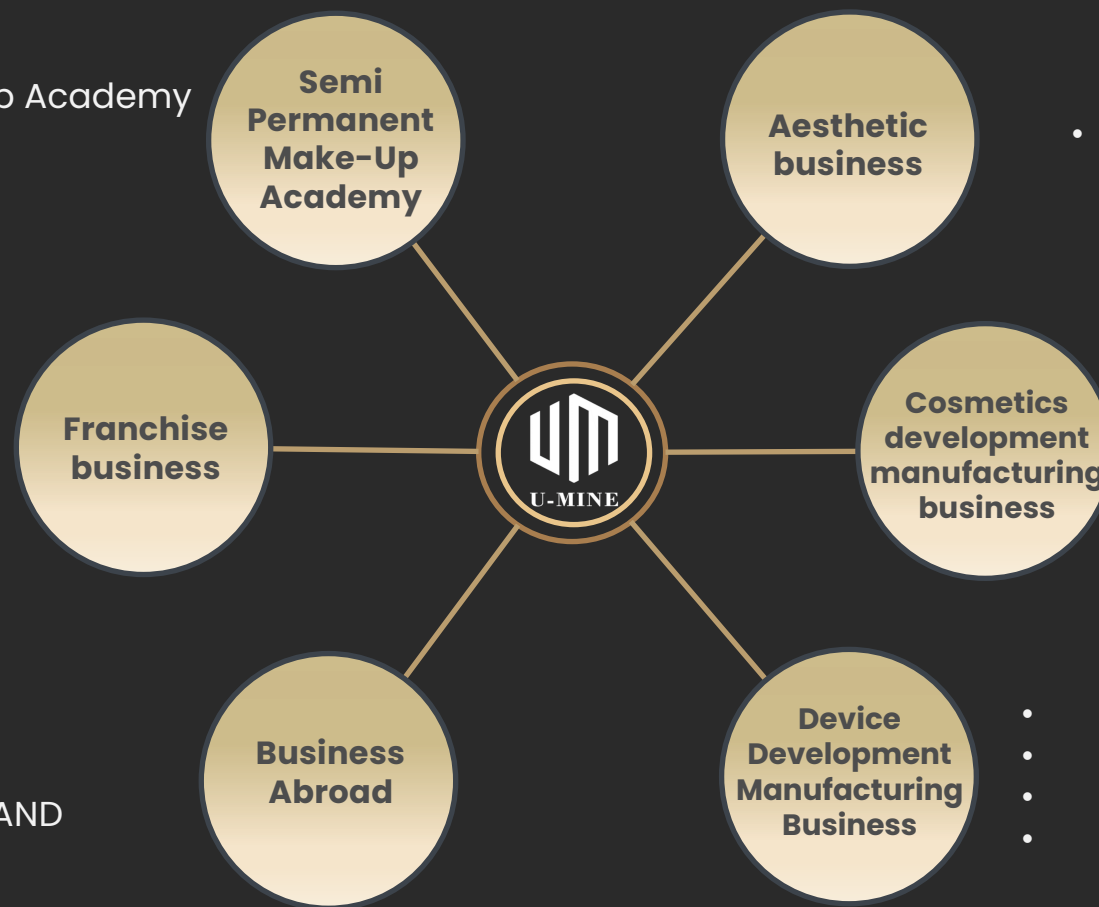
BUSINESS AREAS

U-MINE KOREA

- U-MINE Semi-Permanent Make-Up Academy
- The world's first semi-permanent Make-up technique

- Skin, Scalp, and Body Care
 - U-MINE BODY ZET
 - 400 franchises

- CHINA · AMERICA · JAPAN
VIETNAM · CAMBODIA · THAILAND



- Face care, body care

- Professional Products Aesthetics
- Homecare Products Aesthetics

- Microcurrent AGASTIK
- UK (U-Mine K)Sonic Microcurrent
- BODY ZET
- Semi-Permanent Make-Up Hand Devices

Has 400 FRANCHISES





Thailand Seminar



Korea Seminar



China Seminar



Dubai Seminar



Dubai Seminar



Vietnam Seminar



Vietnam Seminar

U – MINE KOREA
HEALTH & BEAUTY

GLOBAL SEMINAR

DIRECTLY MANAGED STORE 31

FRANCHISE STORE 400

SEOUL

SUWON

JEONJU

BUSAN

BUCHEON

DAEJEON

INCHEON

PYUNGTAEK

POHANG

DAEGU

HWASUNG

GWANGJU

GANGNEUNG

NAMYANGJU

CHANGWON





U – MINE KOREA
HEALTH & BEAUTY

UNPCF BIO

INTERNATIONAL FORUM ON
TECHNOLOGY

SINCE 2007



2016.03.31 Beijing Stock Exchange Technology Company Invitation



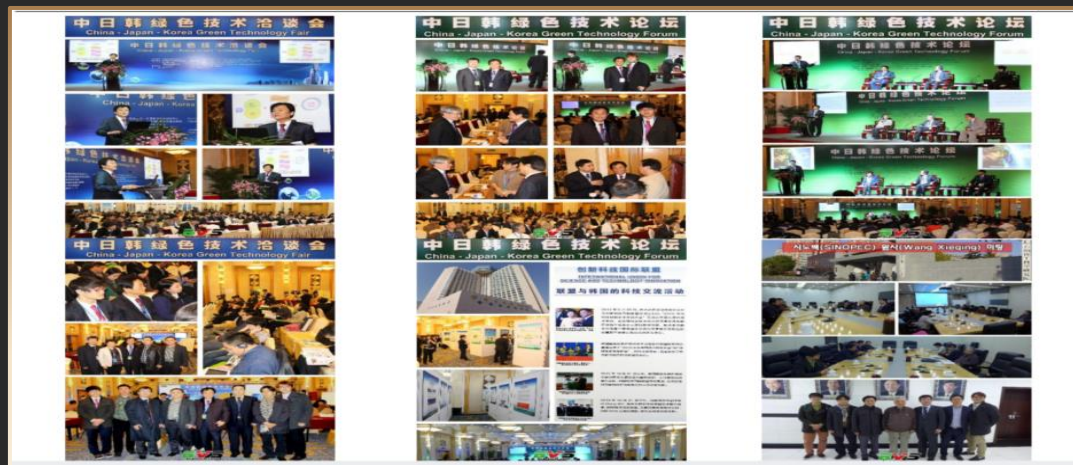
2017.12.05 'Yanshi' (院士) Korean Center open



2017.12.05 'Yanshi' (院士) Korean Center Opening Ceremony
'Yanshi' (院士) International Innovation Center AISTIC



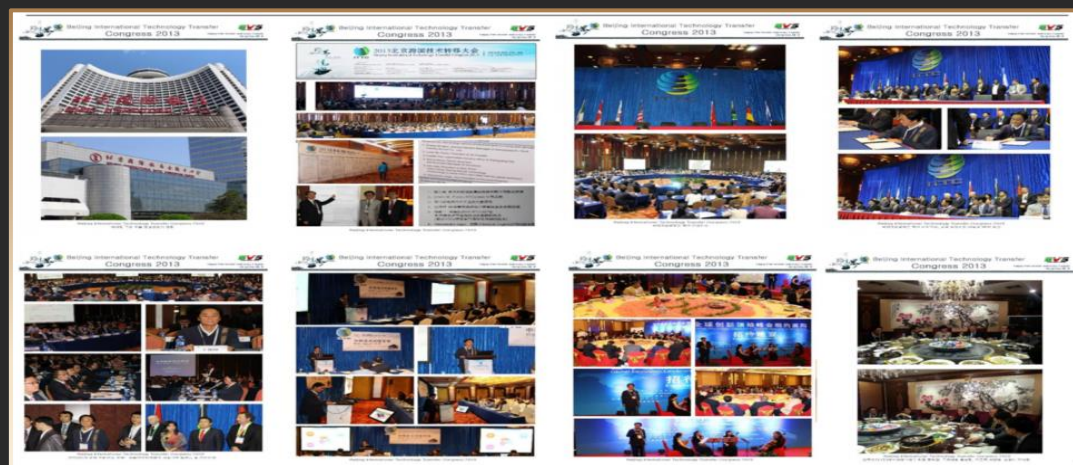
2018.06.28 ~ 29 'Yanshi' (院士) International Innovation Center
AISTIC Innovation Forum



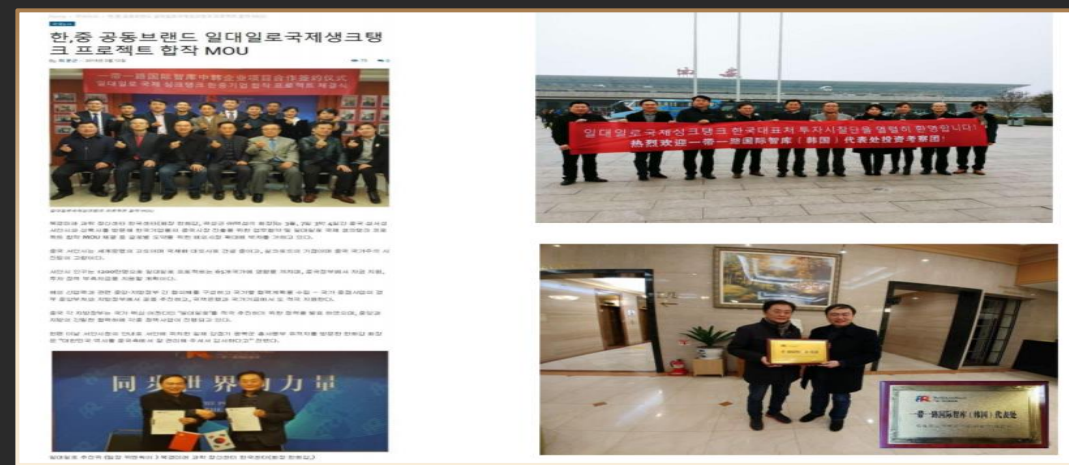
2013.11.15 China / Korea / Japan Green Technology Forum



2013.05.22 China Textile Association



2013.04.25 ~ 27 Beijing International Technology Transfer Congress 2013



2018.03.12 China-Korea co-brand One Belt One Road (一带一路) International Think Tank Project

ALL RAW MATERIALS OF U-MINE KOREA COSMETICS ARE APPLIED WITH THE WORLD'S FIRST 6 TECHNOLOGIES.

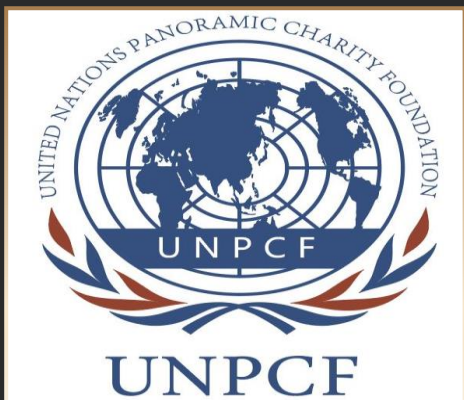


PRODUCT'S
DESCRIPTION

capturing the special technology of living water

TECHNOLOGY 1

Biotechnology in the Environment and Energy



UN Panoramic Charity Foundation

UNPCF

BIO TECHNOLOGY

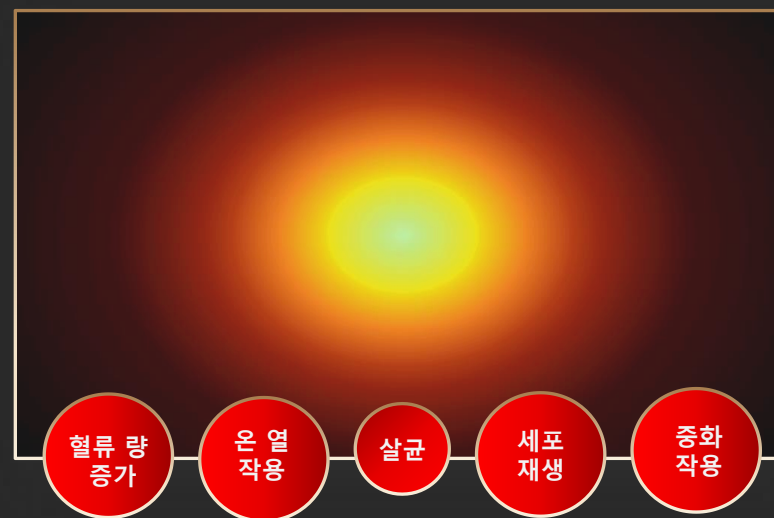
UNPCF (United Nations Paranomic Charitable Foundation)

Seed energy technology jointly researched
with world-class organizations Splitting the crust particles
of water to speed up absorption,
Environment and energy that can purify water
through the action of
water biotechnology in the field

Applying the principle of far-infrared rays

TECHNOLOGY 2

Principle of Far Infrared Rays



It is processed by biotechnology and has far-infrared
properties Bio water is living water,
Communicate with living cells to maintain biological
functions and It constantly induces healing.

Reduce clusters to 46Hz for absorption by the skin

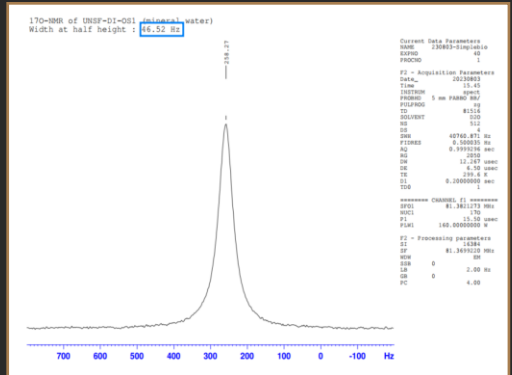
TECHNOLOGY 3

Split clusters for absorption



NMR시료 접근 시험

시간	170 1/2V(Hz) 평균	속령 횡수	표준편차	RSD %	원본데이터
차리전	124.8	1			124.77
7회 day평균	88.1	1			88.07
1회	90.7	2	18.7	20.6%	103.99
4회	82.6	2	9.3	11.3%	89.19
7회	74.3	2	4.8	6.4%	77.62
7회 (80°C)	25.1	1			25.13
Siro	58.1	1			58.09



Neutralizes heavy gold cow radiation

TECHNOLOGY 4

Neutralization
of low-level heavy metals/low-level
radioactivity by applying biotechnology

Stem cell ampoule heavy metal detection

Sample Name	Target material	1' Test(ug/kg, ppb)		2' Test(ug/kg, ppb)		3' Test(ug/kg, ppb)	
		N	C	N	C	N	C
줄기세포 Ample	As	N.D	N.D	N.D	N.D	N.D	N.D
	Cd	N.D	N.D	N.D	N.D	N.D	N.D
	Sb	N.D	N.D	N.D	N.D	N.D	N.D
	Pb	N.D	N.D	N.D	N.D	N.D	N.D
	Hg	N.D	N.D	N.D	N.D	N.D	N.D
	As	N.D	N.D	N.D	N.D	N.D	N.D
연담토너	Cd	N.D	N.D	N.D	N.D	N.D	N.D
	Sb	N.D	N.D	N.D	N.D	N.D	N.D
	Pb	N.D	N.D	N.D	N.D	N.D	N.D
	Hg	N.D	N.D	N.D	N.D	N.D	N.D
	As	N.D	N.D	N.D	N.D	N.D	N.D
	Cd	N.D	N.D	N.D	N.D	N.D	N.D
줄기세포 모이스춰크림	Sb	N.D	N.D	N.D	N.D	N.D	N.D
	Pb	N.D	N.D	N.D	N.D	N.D	N.D
	Hg	N.D	N.D	N.D	N.D	N.D	N.D
	As	N.D	N.D	N.D	N.D	N.D	N.D
	Cd	N.D	N.D	N.D	N.D	N.D	N.D
	Sb	N.D	N.D	N.D	N.D	N.D	N.D
연담 아이세럼	Pb	N.D	N.D	N.D	N.D	N.D	N.D
	Hg	N.D	N.D	N.D	N.D	N.D	N.D
	As	N.D	N.D	N.D	N.D	N.D	N.D
	Cd	N.D	N.D	N.D	N.D	N.D	N.D
	Sb	N.D	N.D	N.D	N.D	N.D	N.D
	Pb	N.D	N.D	N.D	N.D	N.D	N.D
연담 에센스	Hg	N.D	N.D	N.D	N.D	N.D	N.D
	As	N.D	N.D	N.D	N.D	N.D	N.D
	Cd	N.D	N.D	N.D	N.D	N.D	N.D
	Sb	N.D	N.D	N.D	N.D	N.D	N.D
	Pb	N.D	N.D	N.D	N.D	N.D	N.D
	Hg	N.D	N.D	N.D	N.D	N.D	N.D
연담 크림	As	N.D	N.D	N.D	N.D	N.D	N.D
	Cd	N.D	N.D	N.D	N.D	N.D	N.D
	Sb	N.D	N.D	N.D	N.D	N.D	N.D
	Pb	N.D	N.D	N.D	N.D	N.D	N.D
	Hg	N.D	N.D	N.D	N.D	N.D	N.D
	As	N.D	N.D	N.D	N.D	N.D	N.D

TEST REPORT

KOTITI No. 8223-1405-100686

Applicant Simple Bio SF

Date In Sep 07, 2023 Date Out Oct 24, 2023

Issue No	4644460776
Sample Description	Sea Water (SF-SP-1 / SPL-1-230905A)
Sample Quantity	One (1) Sample(s)
Testing Period	Sep 07, 2023 - Oct 24, 2023
Test Result	For further details, please refer to the following page(s).

*NS:NotSubmitted,N.A.:NotApplicable, N.D.: Not Detected (< MDA (Minimum Detectable Activity))

Prepared by Han Gyeol Kim Technical Manager Wu ram Lee

KOTITI Testing & Research Institute

111, Seongnam-gil, Seongnam-si, Gyeonggi-do, Korea T: (82)2945-1710 F: (82)2945-1710 W: www.kotiti-global.com

1. The test results contained in this report are limited to results on the sample(s) that is provided by client and are not necessarily indicative or representative of the quality of the lot from which the sample(s) was taken or of all products.

2. Further use of the results of this report is prohibited unless allowed under a separate agreement set forth in an official document that is established between the client identified on this letter and the KOTITI Testing & Research Institute.

3. The test result of this report is not related to accreditation of KOTITI.

4. You can verify the authenticity by the QR code at the bottom right side of the issued report, or access <http://k.kotiti-global.com> and enter the test report number.

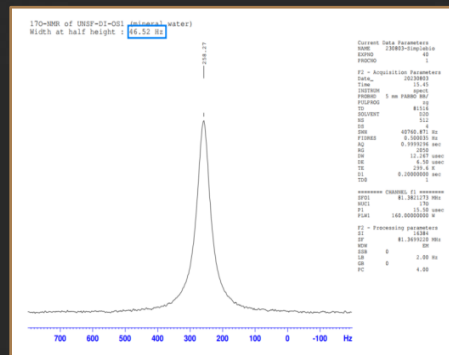
QR: 164699 (1/60777)

KOTITI Testing & Research Institute

Cell regeneration effect by applying biotechnology

TECHNOLOGY 1

This experiment is a case of biotechnology application by BVS Tech Co., Ltd.



Egg cell bioenergy experiment 2010.04 / BVS Tech Co, Ltd

- **Purpose** – To determine whether cell communication exists between living egg cells and BAYA WATER, which has been processed through biotechnology.
- **Experimental method** – Put 0.35% salt solution in a 500ml beaker, break an egg and add all the contents. BAYA WATER / Distilled water / bottled water from Japanese company C, Three experimental groups were observed for 30 days.
- **Result** - Distilled water and famous bottled water from Japanese company C with severe spoilage after 30 days. However, the bio-processed water did not spoil at all, and the original form of the egg yolk was preserved. "Water with far-infrared properties is living water. and communicates with living cells to continuously maintain biological functions and induce healing.

Penetrates minerals through the skin

TECHNOLOGY 2

Bio-technology penetrates minerals through the skin



What is a 'mineral'?

The human body is made up of about 96% of the four major elements. Carbon C, Hydrogen H, Oxygen O, Nitrogen N (Carbohydrates, Fats, Proteins, Vitamins) Except for the four major elements, all the remaining elements are minerals. The amount of primary minerals our body needs per day is more than 100 mg Sodium (Na), calcium (Ca), phosphorus (P), which account for 90% of minerals, There are 7% of them: magnesium (Mg), potassium (K), sulfur (S), and chlorine (Cl).

It excretes waste and toxins and regenerates cells.

- Our body only needs 4% of minerals, but since it does not synthesize itself, there is no other way except to get it through food or penetrate through the skin.
- When ingested through food, only 20~30% is absorbed depending on the health condition of the internal organs, but if it penetrates through the skin, it can be absorbed up to 80~90%.

The main ingredient of all cosmetics containing the 6 technologies of U-MINE KOREA!

U – MINE K MIST

Many estheticians' Recommend U-MINE K Mist.

Dry Skin / Slimming / Lifting
Firming / Wrinkle Reduction



U – MINE K MIST 300ML / 50ML

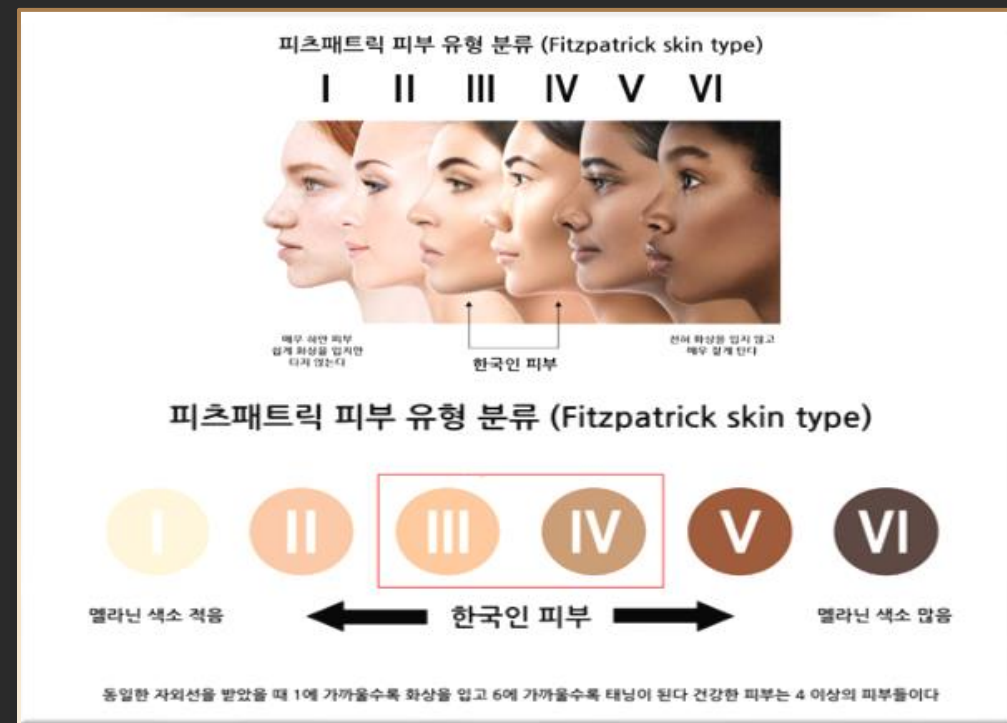


A real brightening cream that blocks melanin pigment

U – MINE K CREAM



U – MINE K CREAM 100ML



U-Mine K Cream reduces melanin production and inhibits the movement of melanin. Brightens and clears areas with freckles pigmentation!

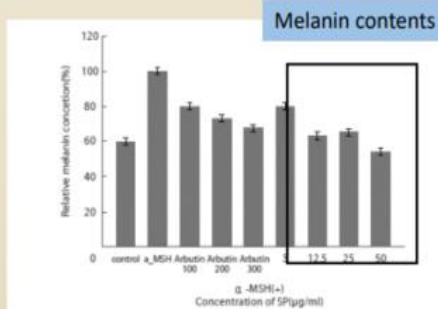


Figure 4. Inhibition of melanin synthesis in B16F10 melanoma treated with *Spirulina platensis* extract (Sp).

멜라닌 형성 세포인 B16F10 melanoma 세포에 α-MSH를 가하여 스피롤리나추출물을 농도별로 적용하여 멜라닌 생합성 억제효과를 실험한 결과, **Arbutin 이상의 우수한 미백 효과**를 보였다.

[Reference] Jang, Hye-Jin, and Eun-Young Choi. "Effects of Spirulina Platensis Extract, the Act of which are Antiinflammation, Anti-aging, As well as Suppressing Melanin Synthesis." *Kor J Aesthet Cosmetol* 13.2 (2015): 243-249.

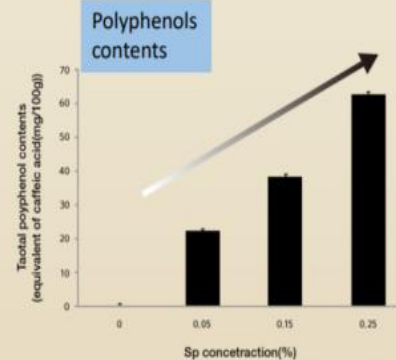


Figure. 3-1. The total polyphenol concentration of *Spirulina Platensis* extract (Sp)

스피롤리나추출물의 농도가 증가할수록 총 폴리페놀 함량이 증가함을 확인하였다. **스피롤리나추출물은 항산화 활성 효과**가 있음을 보여준다.

[Reference] 장혜진, "Study on the physiological functions and improve of Spirulina platensis in soothing facial redness and sensitive skin," 박사학위청구논문, 2015

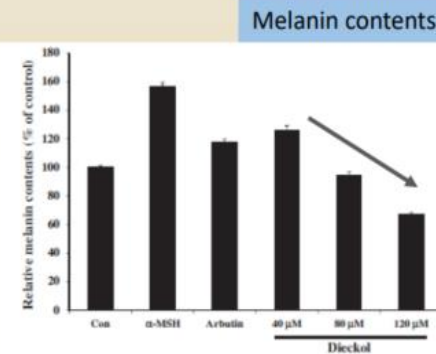
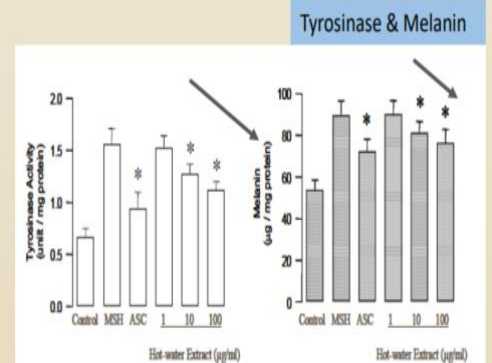


Figure 6. Effect on dieckol on cellular melanin synthesis in B16F10 cells. Cells were exposed to 0.1 µM α-MSH in the presence of 40, 80, and 120 µM dieckol or 350 µM arbutin of melanin inhibitor. Each percentage value for the treated cells is reported relative to that in the control cells.

감태 속 **Dieckol** 유효 성분을 농도 별 처리시 멜라닌 생성을 감소시켰다.

참고문헌 : Kang, Sung-Myung, et al. "Molecular docking studies of a phlorotannin, dieckol isolated from Ecklonia cava with tyrosinase inhibitory activity." *Bioorganic & medicinal chemistry* 20.1 (2012): 311-316.



다시마추출물의 미백 효능을 살펴보기 위해 **Tyrosinase 활성 저해** 및 멜라닌 합성을 살펴 본 결과 농도의존적으로 유의하게 감소함을 보여주었다.

참고문헌 : 박연중, "Effects of hot-water extracts from Laminaria japonica on production of melanin and inflammatory mediators" 중앙대학교의약식품대학원: 항장독학전공 2004.8

Tone-up and whitening are different.

There are so many toned-up products that only make your skin appear bright.

"U-Main K Cream" is It's a cream that can be really whitened.

'U-Main K Cream' works better if you apply at night.

U-Mine K Cream contains

spirulina, natural Ecklonia cava extract, natural kelp extract, and niacinamide. Combination of these ingredients prevent melanin synthesis and movement of melanin to create clear and brighten your skin.

Slimming / Whitening / UV Blocking Triple Functionality

U – MINE K SUN CREAM



U – MINE K MIST 300ML / 50ML

SPF 50+ (sun protection factor)

PA +++ (protection grade of UVA)

Chemical Sunscreens

Advantage

It's a soft texture that applies well

natural tone-up, glossy skin

It washes well even washed it with soap

Physical Sunscreen

Advantage

Available on all skin types

No skin trouble

Excellent sun protection

Sunscreen that is soft and can only be washed with soap by matching only advantages of chemical and physical sunscreens at golden ratio

U-Mine Korea's Six Key Technologies

U – MINE BIO CREAM

TELOMERE

It protects the DNA at the end of the chromosome from damage during cell division.

Chromosomes also repeat cell division

The telomeres at the end become shorter and shorter.

As the telomeres get shorter and shorter, From this point on, when it stop cell division,

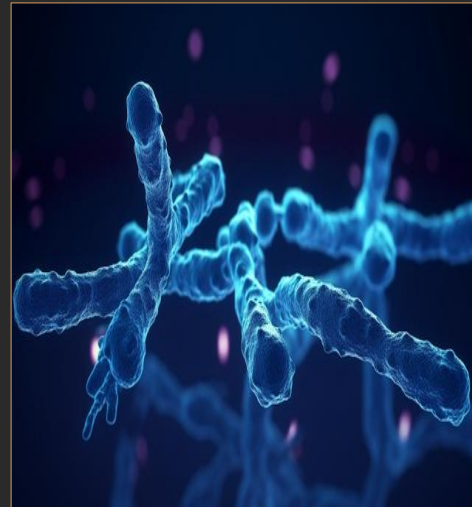
Human aging progresses rapidly.

Prevention of aging is to lengthen the length of the telomere.



U – MINE BIO CREAM 50ML

Skin aging prevention effect



Protecting the skin barrier functional moisturizing

U – MINE BIO CREAM

For DAY · All Ages



U – MINE BIO CREAM 500ML

problem skin
improvement effect

The acne skin, and the
problem skin
improvement effect

slim effect

lipolysis / slim effect
Abdominal fat, arm
fat Decomosition
is excellent.

Contains 6 Mushrooms

Protecting the skin
barrier
functional moisturizing

pain relief effect

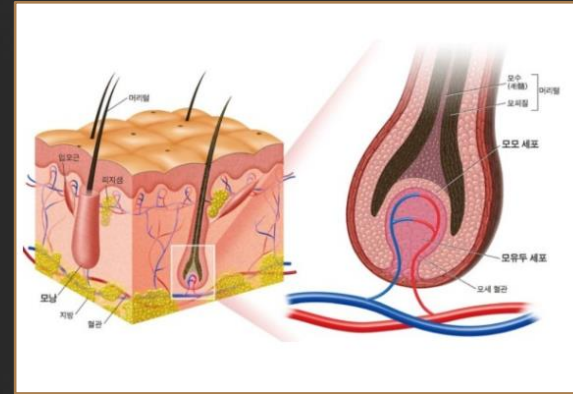
with a rich mineral
effect pain relief
effect

The first SHAMPOO to prevent scalp aging

U – MINE BIO SHAMPOO



U – MINE BIO SHAMPOO 350ML



When the scalp ages,

the first forehead and neck wrinkles form

The second, face is sags, and the third hair loss occurs

U-Mine Korea keeps scalp

from aging and keeps you younger

We developed the first shampoo

that prevents hair loss and grows hair

ALL INGREDIENTS OF U-MINE BIO SHAMPOO

U-Mine Bio Shampoo is a green grade ingredient
based on EWG in the United States..

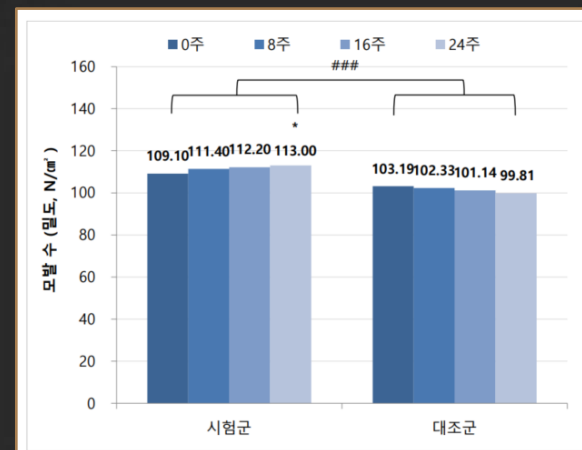
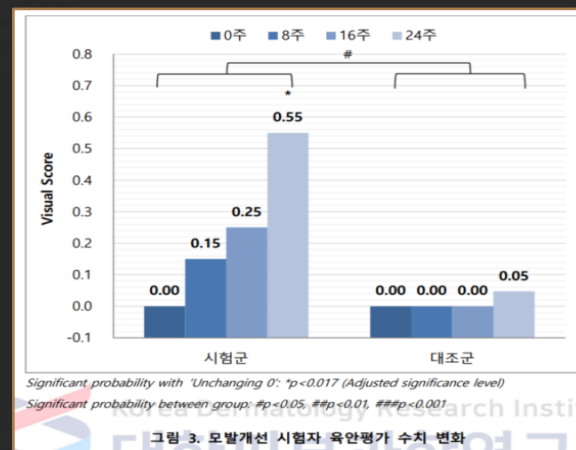
The UNPCF Bio energy standard is applied at the highest
level to increase scalp blood flow,
providing sufficient oxygen and nutrition to hair and scalp

Name of Product : U-Mine Bio Shampoo		
Date of Issue : Dec. 07. 2023		
Ingredients (INCI Name)	CAS No.	Function
Water	7732-18-5	Solvents
Sodium C14-16 Olefin Sulfonate	68439-57-8	Surfactants - Emulsifying Agents
Sodium Cocoyl Alaninate	90170-45-9	Surfactants - Emulsifying Agents
Coco-Betaine	68424-94-2	Surfactants - Emulsifying Agents
Butylene Glycol	107-88-0	Solvents
1,2-Hexanediol	6920-22-5	Solvents
Poria Cocos Extract	-	Skin Conditioning Agents
Lauryl Hydroxysultaine	13197-76-7	Surfactants - Emulsifying Agents
Caffeine	58-08-2	Skin Conditioning Agents
Saccharomyces Cerevisiae Extract	84804-16-0	Skin Conditioning Agents
Sodium Chloride	7647-14-5	Viscosity Increasing Agents
Panthenol	81-13-0	Skin Conditioning Agents
Menthol	89-78-1	Skin Conditioning Agents
Niacinamide	98-92-0	Skin Conditioning Agents
Polyquaternium-10	68610-92-4	Viscosity Increasing Agents
Biotin	58-85-5	Skin Conditioning Agents

CLINICAL EXPERIMENT OF SHAMPOO KOREA DERMATOLOGY RESEARCH INSTITUTE

Total 41 people – 24 weeks test

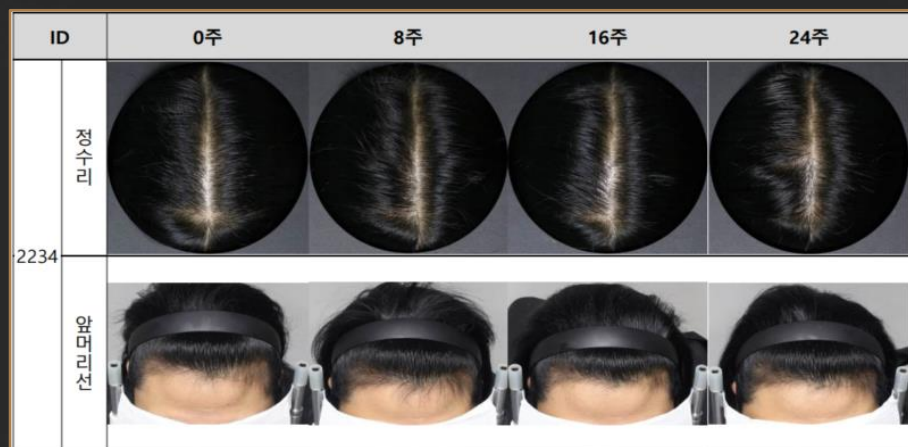
Experiment period November 17, 2022 ~ May 18, 2023 (Total 6-month experiment)



In the test group, hair improvement was confirmed
with the visual assessment as the application time increased.

The density of the number of hair increased (+)
and the Density Of the number of hair decreased (-)
in the control group.

When shampooed once a day in the 24-week test group,
improvement in the top of the head and bangs was
observed in relation to the individual test of the test group.



After 24 weeks of shampooing once a day,
There was no irritation such as itching,
stinging, burning, erythema, edema, etc.,
and there was no specific adverse
reaction to scalp safety

라. 안전성 및 이상반응에 관련한 사항

표 21. 시험기간 동안 발생한 주관적 자극감 발생 건수

구분	가려움	바늘로 찌르는 느낌	화끈거림	따끔거림	뻣뻣함	기타 이상감각
경증	0	0	0	0	0	0
중등증	0	0	0	0	0	0
중증	0	0	0	0	0	0

모든 연구 대상자들에서 시험기간 중 특별한 이상반응을 관찰할 수 없었다.

표 22. 시험기간 동안 발생한 객관적 자극 반응 발생 건수

구분	홍반	부종	구진	기타 이상증
경증	0	0	0	0
중등증	0	0	0	0
중증	0	0	0	0

모든 연구 대상자들에서 시험기간 중 특별한 이상반응을 관찰할 수 없었다.

Recover damaged nerves and damaged muscles
and recovered by microcurrent and rotational vibrations

U – MINE K



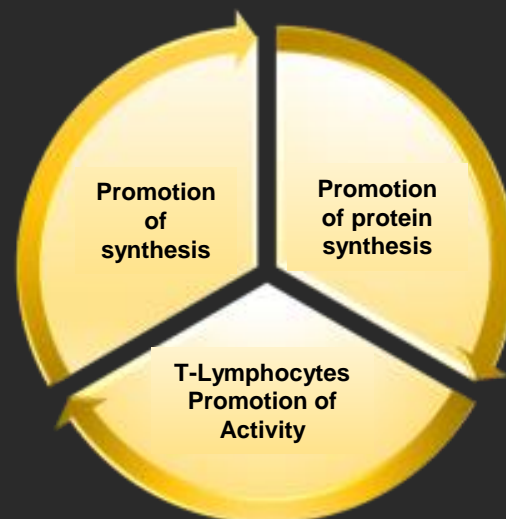
U – MINE K

What is microcurrent?

Current as small as 1000 milliamps

Body generates electrical currents to send important bodily information along neural networks.

Disruptions in the bio electrical signaling system can lead to a variety of conditions, including motor and cognitive dysfunction. In 1991, German physicians Ne her and Bert Sakmann won the Nobel Prize in Medicine for their work on microcurrents.



The cell membrane ion permeability is increased by 40% Supports tissue repair and regeneration of damaged cells

It produces collagen and elastin, which improve and tighten the skin for a more youthful appearance.

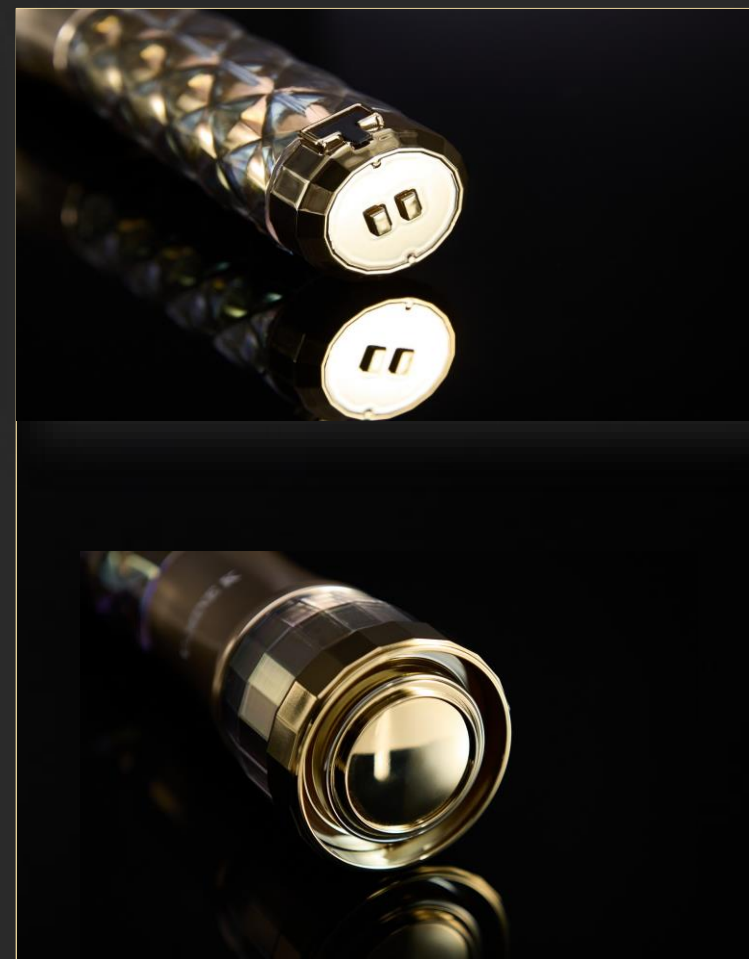
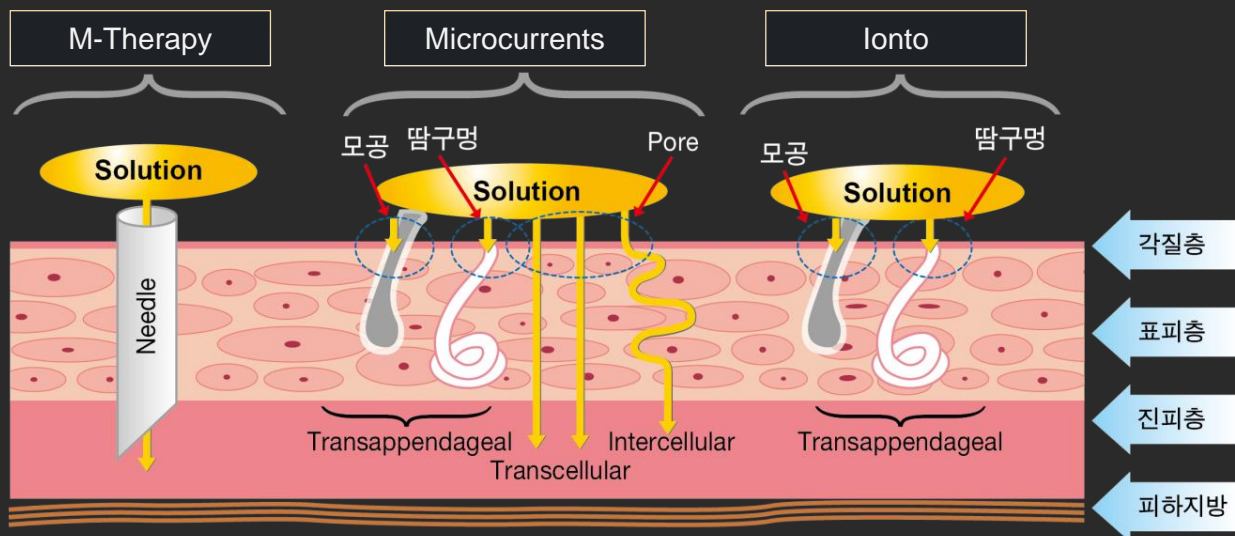
The energy source for all cells, ATP (adenosine triphosphate) increases by 500% and is also essential for waste removal

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MICROCURRENTS AND SOLUTION OF ABSORPTION

Microcurrent use positive and negative currents to push each other at the same pole and pull each other at different poles

The idea is to ionize cosmetics with a negative and positive electrode and then naturally put them to the skin.



미세전류치료가 퇴행성 무릎관절염 환자의 통증과 균형에 미치는 영향

정준성¹·조남정²
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Micro-current Treatment Effects on Pain, Balance of the Degenerative Knee Arthritis

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Abstract

Purpose: The purpose of this research was to ascertain the effect of Micro-current on a pain, balance, of knee joint in patients with degenerative arthritis.

Method: The 30 subjects who had micro-current in this research and randomly assigned into two group, an experiment group and a control group. micro-current was applied to 15 subject in the experiment group after general physical therapy. experiment group was applies general therapies and micro-current stimulation. The measurement were analyzed by SPSS(V.20). In order to compare the post to the amount of pre-changes and post-changes of each group, the paired t-test was used. The difference between the experiment group and the control group was analyzed by using the analysis of covariance.

Results: The results of this study were as follows;

- 1) In VAS measures, the pain point was significantly decreased in both the experimental and the control group.
- 2) Mc Gill Pain Questionnaire(MPQ), the pain point was significantly decreased in both the experimental and the control group.

아동의 걷기운동 중 미세전류를 이용한 성장점 자극이 혈중 GH와 IGF- I 농도에 미치는 효과

임용택¹⁾ 김재등²⁾

Effect of Growth point stimulation using Microcurrent during walking exercise on blood GH and IGF- I concentration in Children

Rhin, Yong-Tack¹ Kim, Jae-Daeng²

Abstract

The purpose of this study was to investigate the effect of growth point, a kind of acupoint stimulation using microcurrent during walking exercise on blood GH and IGF- I concentration in children. The subject were ten elementary female students and they performed 60min's walking exercise at 4.0~6.0km/h on treadmill twice, with and without functional shoe designed for occurring microcurrent by piezoelectric element and stimulating growth point using that microcurrent. And the change of GH and IGF- I were measured at pre-exercise, post-exercise and recovery 30min. The results of present study were as follows: First, there were significant difference between groups with and without functional shoe on blood GH concentration at post-exercise and recovery 30min. Second, there were significant difference between groups with and without functional shoe on blood IGF- I concentration at post-exercise and recovery 30min. These results suggest that walking exercise with functional shoe designed for occurring microcurrent and stimulating growth point be available method for promoting the secretion of GH and IGF- I during and after walking exercise.

미세전류 전침이 스트레스 관련 호르몬에 미치는 영향

김성욱 · 이종수 · 김성수 · 신현대 · 정석희

경희대학교 한의과대학 한방재활의학과교실

The Effect of Microcurrent Electrical Neuromuscular Stimulation on Stress-related Hormones

Sung-uk Kim, O.M.D., Jong-soo Lee, O.M.D., Sung-soo Kim, O.M.D., Hyun-dae Shin, O.M.D., Seok-hee Chung, O.M.D.
Dept. of Oriental Rehabilitation Medicine, College of Oriental Medicine, Kyung-hee University

Objectives : Microcurrent Electrical Neuromuscular Stimulation(MENS) has been used for accelerating healing wounds and relieving musculoskeletal pain, but it's bio-engineering mechanism has been many questionable about clinical usefulness. In this study, I tried to examine the hypothesis that MENS therapy is effective in changing the stress-related hormones. So, I investigated it's relationship of mind-body medicine and oriental medicine.

Methods : 36 healthy students in university were divided into four groups; the first was MENS treatment in meridian point (Kyun-Jung, G21) after stress management, the second was MENS treatment in non-meridian point after stress management, the third was MENS treatment in meridian point with no stress management, the fourth was MENS treatment in non-meridian point with no stress management. We applied MENS in the form of electroacupuncture and stress two groups were restricted sleeping during 1 day and labored exercise using isometric muscle for 1 hour. Blood sampling on the antecubital vein were performed and measured the ACTH, cortisol, beta-endorphin, epinephrine, norepinephrine by the time.

Result : ① Plasma ACTH concentrations markedly increased after stress in stress-meridian and nonmeridian groups(p<0.01), and markedly decreased after MENS treatment in both groups(p<0.05). ② Endorphin was not significant, but decreased tendency after MENS treatment in stress two groups. ③ Plasma cortisol markedly increased after stress (p<0.01, p<0.05) in stress-meridian and nonmeridian groups, and markedly decreased after MENS treatment in stress-meridian and no-stress-nonmeridian groups(p<0.05). ④ Norepinephrine was decreased in all groups after MENS treatment(p<0.01, p<0.05 in stress-nonmeridian group). ⑤ Epinephrine was markedly increased after stress in stress-nonmeridian group(p<0.05), and significantly decreased after MENS treatment in stress-nonmeridian group(p<0.05).

Conclusions: MENS therapy was effective against stress with affecting HPA feedback system and inhibiting adrenocortical hormones.

Microcurrents and Degenerative Knee Osteoarthritis

Microcurrents and growth point stimulation

Microcurrents and Stress Hormones

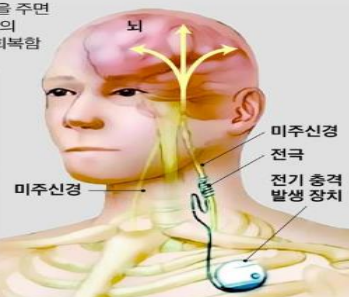
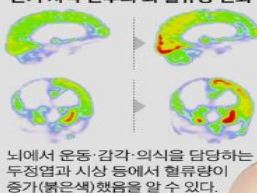
◇신경에 전기자극, 잠든 뇌를 깨워

연구진은 환자의 새골 안쪽에 있는 미주신경(迷走神經)에 전선을 감고 전기자극을 줬다. 미주신경은 뇌와 인체의 모든 장기 사이를 오가며 신경 신호를 전달하는 통로이다. 통신망이 무너지면 사회에 혼란이 발생하는 것처럼, 미주신경에 이상이 생기면 병이 난다. 전자약은 마치 통신망의 잡음을 제거하듯 인위적인 전기자극으로 잘못된 신경 신호를 교정해 치료 효과를 낸다.

전자 약으로 식물인간 치료 방법

새골 안쪽에 있는 미주신경에 전기 자극을 주면 뇌에서 운동·감각·의식을 담당하는 영역의 활동이 증가하면서 식물인간이 의식을 회복함

전기 자극 전후의 뇌 혈류량 변화



자료: 프랑스 국립인지과학연구소

chosun.com

사회

지연보기

구독신청

로그인

회원가입

뉴스룸

오피니언

정치

사회

경제

국제

스포츠

연예

전국

문화

라이프

영상포토

▶ 행정뉴스

사회 일반

3개월 전기자극으로... 15년만에 깨어난 식물인간

조선일보 | 이영환 과학전문기자

입력 2017.09.26 03:04 | 수정 2017.09.26 09:21

[출연:구진, 환자 몸에 '전자약' 넣었다니 고개까지 움직여]

구글& 등도 개별 경쟁

美 FDA 비만치료용 허가

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나 돌 돌 이 사 람 이 야 기

U – MINE K BEAUTY CARE PROGRAM



SCALP DESIGN PROGRAM

Addressing the underlying problems of the scalp



As a scalp lifting care for the fundamental lifting of the face, it prevents hair loss and induces restful sleep with anti-stress



Scalp Lifting Care



Anti-Stress care



Prevention of hair loss,
care of insomnia

FACE DESIGN PROGRAM

Smaller, younger face remodeling



Absorbs cosmetics deep into the skin!
Organize and tidy up the face line in detail, It fills the skin with volume and allows you to experience a lifting effect



Slim, Lifting care
Smaller cheekbone care



Problem skin
Care Solution
Penetration care



Wrinkle care
Double chin care
Acne pigment care

BACK AND NECK DESIGN PROGRAM

Soft shoulders back neck repair



Quick care for firm, sore shoulders and neck!
Lightness and freshness to experience after treatment



Muscle relaxation
Shoulder · Neck
Pain care



Blood circulation · Edema
management
Slim · Lifting care



inch change care
Managing the realignment
of muscles

LOW BODY DESIGN PROGRAM

Elastic slim lifting lower body circulation care



Lift the muscles and design the lower body to be toned
Slim lifting and elasticity care at the same time



**Lower body circulation
care Lower body
edema care**



**Hip lift tone care
Cellulite care**



**Slimming care
Knee care**

ABDOMINAL DESIGN PROGRAM

Lipolytic abdominal lifting



Rapid fat breakdown and abdominal slimming
Breast volume up and size enlargement



**Lipolysis care
Smaller abdominal size**



**Abdominal elasticity
improvement care
Chest volume up**



**Female uterine care
Surgical scar care**



UNPCF BIO-Technology

U-MINE KOREA and UNPCF's
With Biotechnology Development Contract
The world's first bio-liquid has been developed



ISO 9001 / ISO 14001



ISO 22716 : 2007
Europe Standard



Environmental · Quality Management System(EMS) Certificate



KC · CE · ROHS · CHINA PERMIT





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