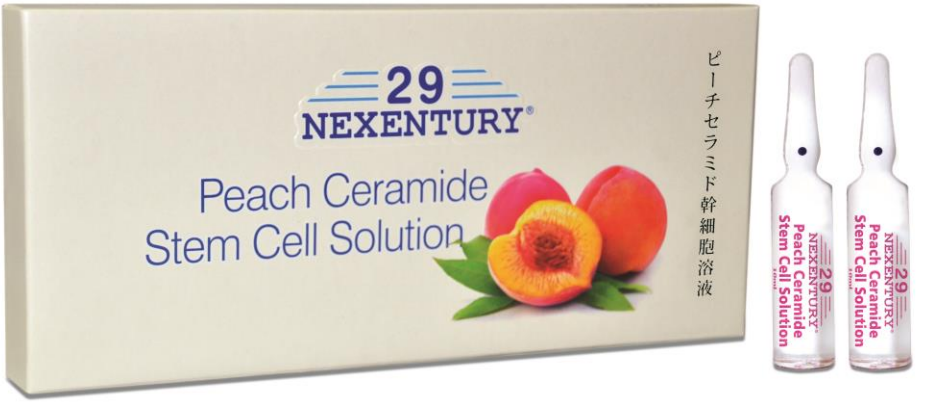
29
NEXENTURY

Peach Ceramide Stem Cell Solution



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Clinical Studies:

UGCGgeneof human chromosome 9, determines the beauty of a woman.

The Leading Researcher, Kiyoshi Kita .H, Ph.D.

B.Pharm.Sc., Faculty of Pharmaceutical Sciences, The University of Tokyo, 1974
D.Pharm.Sc., The University of Tokyo, 1980
Visiting Scientist, Illinois University, 1987-1988
Associate Professor, Institute of Medical Sciences, The University of Tokyo, 1991-1998

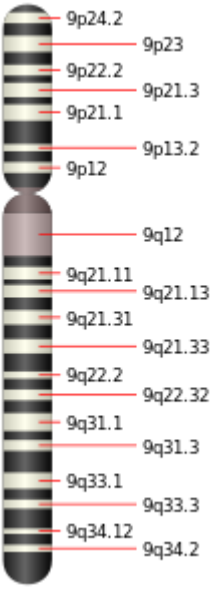
Introduction:

Ceramide, naturally produce in our skin. Its yield depends UGCG genes.It restrained the formation of wrinkles, promote and strengthen the water content of the skin.

UGCG is a genetic protein produced by UGCG gene in human chromosome 9, which is comprises of 853 amino acid molecules, classified as one of the Potassium Dependent Sodium/Calcium Exchanger family. Clinical studies have revealed that the activities of UGCG gene is closely related to the complexion of aging. Low UGCG gene

activity,is considered to bethe key factors contributing tothe degradation of skin,aging and dryness.

Chromosome 9 (human)



Chromosome 9 is one of the 23 pairs of chromosomes in humans. People

normally have two copies of this.

It was in 1975 that Founder Prof. Kiyoshi Kita .H first met with the late Mr. Noboru Nagamatsu, the founder of Yakult at a Okayama peach plantation.

Having lost his parents at an early age, Founder Prof Kiyoshi Kita .H keenly felt the need to establish a healthier society and saw this as his life mission.

The encounter with Mr. Nagamatsu was nothing less than fateful. Prof Kiyoshi Kita .Htook Mr. Nagamatsu's advises to look into 'The Inner Beauty of Momo'. From here, Prof Kiyoshi Kita .Hstarted the research & found the similarity & magnificent value of the peach ceramides.

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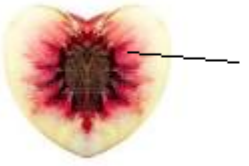

Spring 1979, Prof Kiyoshi Kita .Hcut out an Okayama Momo (peach). He realized that the heart shape like momo consists of reddish blood vessel-like structures that helps deliver nutrients to the seed & whole fruit, as the start of a newly plant cell. Further, Prof Kiyoshi Kita .H successfully extracted out stem cells from the peach ceramide or *phytoceramide.*

For it marked the start of a major project of discovering health applications for PrunusPersica(Peach).

In 1980, Prof Kiyoshi Kita .Hfirst trial using PrunusPersica (Peach) ceramidestem cells into **kaffir lime** (*Citrus hystrix*) tree. It showed a surprising result that the next produce of the kaffir lime showed an increase in water content with a smoother surface textures.

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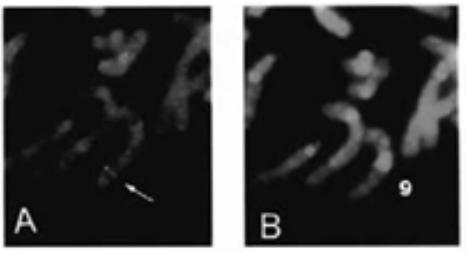
1955年には、ピーチセラミド幹細胞を用いた教授敦夫佐藤最初の試験では、コブミカンツリーに注入。カフィアライムの次のの農産物は、滑らかな表面テクスチャを有する含水量の増加を示した。

This study shows that Peach Ceramide Stem Cell Solution has the potential to smoothen out skin wrinkles. Theoretically, through the treatment of such UGCG gene stimulant, thou can achieve an effective & permanent beautiful skin.

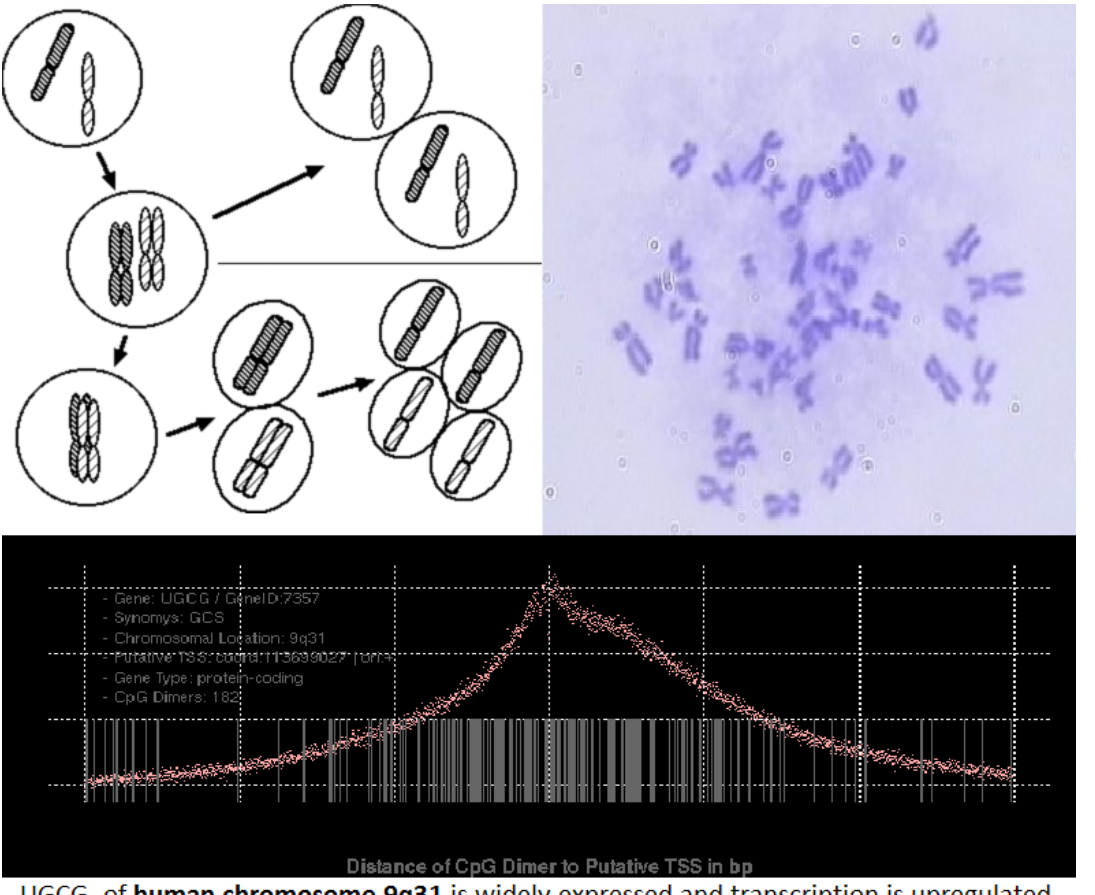
Clinical study has proved that scientifically improved Peach Ceramide Stem Cell Solution confined only to the skin without affecting other organs function.

He was awarded the 1996 Asahi Prize, the 1998 Imperial Prize of the Japan Academy (恩賜賞・日本学士院賞).

After 5 years of research & improvement, the genetic medical team led by Prof Kiyoshi Kita.H finally successfully developed a biochemical pathway that can control & stimulate the UGCG gene, confirming to achieve the efficacy ofpermanent beautiful skin.



FISH Mapping of the Ceramide glucosyltransferase genome fragment probe to 9q31. A) The UGCG signal on a metaphase chromosome. B) The same mitotic figure stained by DAP1 after a therapy of *The Peach Ceramide Stem Cell Solution* .



UGCG of **human chromosome 9q31** is widely expressed and transcription is upregulated during keratinocyte differentiation under the influences of the Peach Ceramide Stem Cell Solution.

After careful improvisation and research, we started the first clinical study in mid 2001, the world's first clinical trial gene therapy on skin with human subjects.

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Skin Health Clinical Studies: Peach Ceramide Stem Cell Solution

(was conducted by Prof. Kiyoshi Kita.H, 2009-2014.）

2000 subjects of different ethnics took part in this 8 weeks clinical study. It is divided into 2 groups, ages of 25-40years old and 40-55years old. There are 500 male and female subjects in each group. All subjects of different skin type were apply with 5000mg of Peach Ceramide Stem Cell Solution at alternate day, of different duration, depending on their complexion. 25-40age group treated alternate days for a month with one month a part, then continue for another month. 40-55 age group continuous apply for 2 months.

Results:

After three months, the skin of 25-40 age group remain ssoft and shiny. Electrical assessment of skin hydration showed improvement with healthy condition. The skin becomes fair & soft. Comparison before and after, the average degree of improvement exhibited between35-70%.

40-55age group subjects with lower skin quality, also have shown a 25-35% improvement in complexion after 15 times of treatments in a row, has achieved very good shiny & softening skin significantly. After two months of continuous treatment, 95% of the body skin significantly soft & moisturizing. The efficacies of Peach Ceramide Stem Cell Solution is consistent, which begins from the head, then gradually extended downwards to the face and neck, and continue to the whole body. Electrical assessment of skin hydration showed improvement in 95% of the actively treated subjects.

5000mg alternate day ->25-40age group -> 4 wks, 35% inc skin moist. Completed the whole course -> Skin improvement exhibited 70%.

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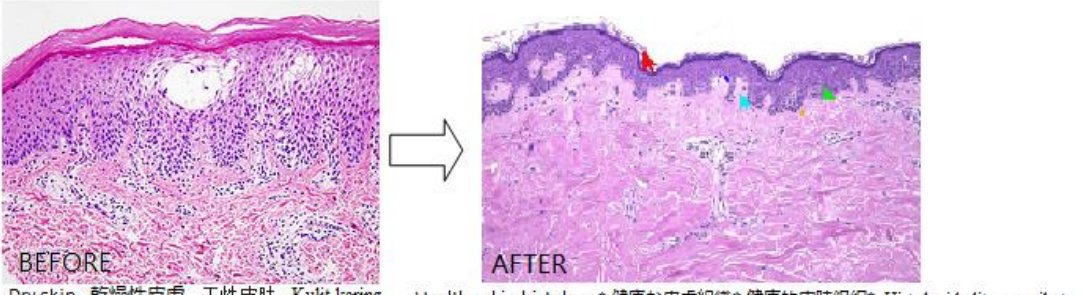
5000mg alternate day -> 40-55age group ->60 days - > Skin improvement exhibited 95%, restore youth and vitality of the skin.



Dry skin. 乾燥性皮膚. 干性皮肤. Kulit kering Healthy skin histology* 健康な皮膚組織* 健康的皮肤组织* Histologi kulit yang sihat

Summary

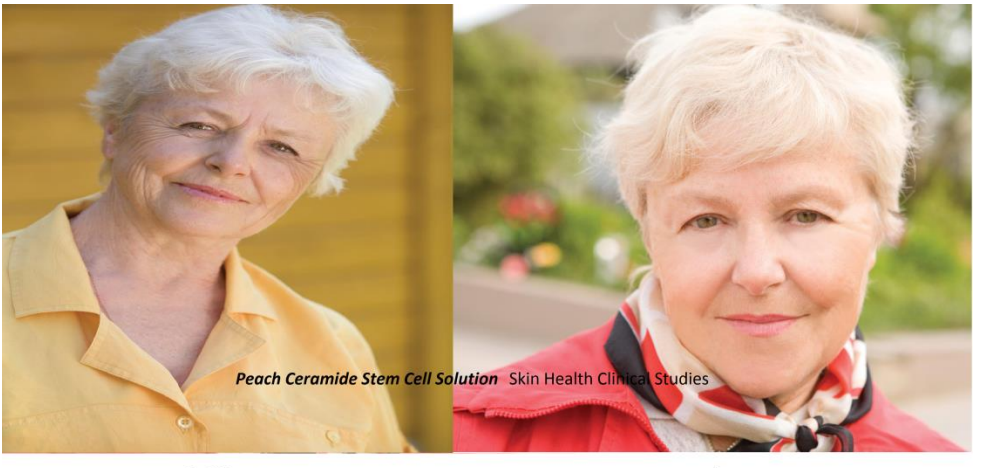
Peach Ceramide Stem Cell Solution, the only research & development PHRI BioTech works together with Japanese experts and being a global agency. Phytoceramides derived from peach are chemically identical to those in human skin, enabling aging individuals to restore naturally declining levels of these bioactive compounds.

The health and youthful vitality of skin depends on the moisturizing ability of skin keratinocytes.Peach Ceramide Stem Cell Solution successfully maintain the original quality, achieved high efficacy and safety of skin treatments unprecedentedly. All subjects put under observations for 6 months after the completion of treatments. It has confirmed that all relevant organs has not affected by the treatment, and the skin is still young and resilient.

Clinical studies demonstrate that a novel, highly concentrated, ceramide-rich nutritional liquid formula derived from peach is absorbed into skin cells **metabolically,** producing dramatic

improvements in dry, flaky and itchy skin. It will generate hydration, elasticity, and healthy skin. Significantly, it improves 70-95% of theskin.

The most commendable achievements of this study is, with our effort, what used to be regarded as impossible had come true, where we have proven able to help wrinkled people miraculously get beautiful skin. In2009, after the success of research and development, PHRI BioTech finally launched it into market in 2015. The followings are before and after comparisons of different ethnic groups in which experienced the Peach Ceramide Stem Cell Solution ：



Before / 之前 / Sebelum **After / 之后 / Selepas**

The Peach Ceramide Stem Cell Solution reduces roughness & dryness, enhances your skin hydration for a fresh & balanced feels.

Before / 之前/ Sebelum **After / 之后 / Selepas**

Before / 之前/ Sebelum　　After / 之后 / Selepas

Before / 之前/ Sebelum　　After / 之后 / Selepas

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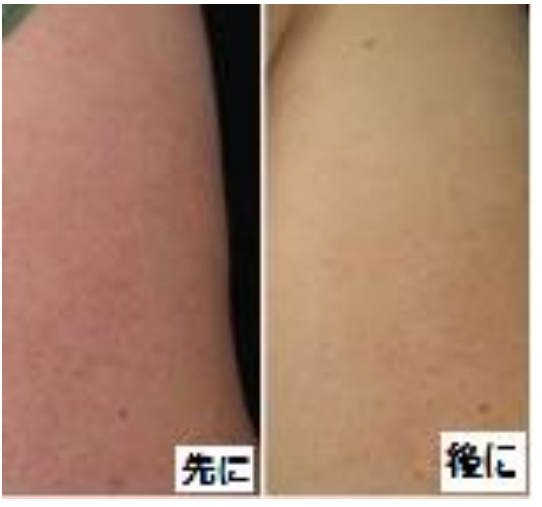
之前/ Sebelum　　之后 / Selepas



Before / 之前/ Sebelum

After / 之后 / Selepas

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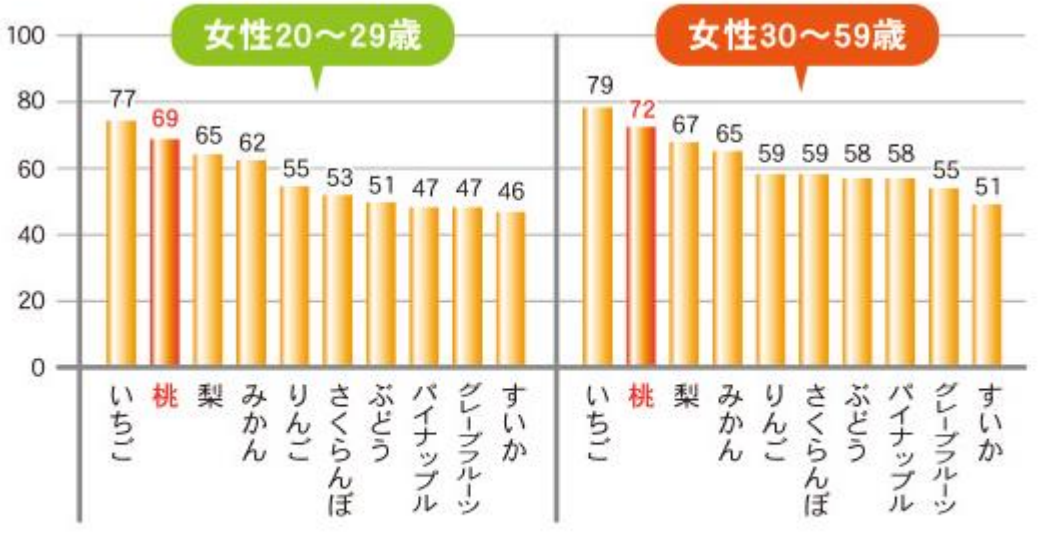
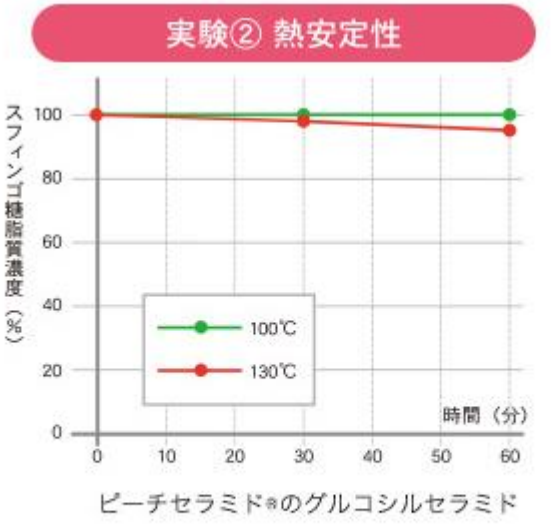


※NHK放送文化研究所世論調査部「日本人のすきなもの」2008年

NHK 2008 survey Japanese ladies favorite fruits.



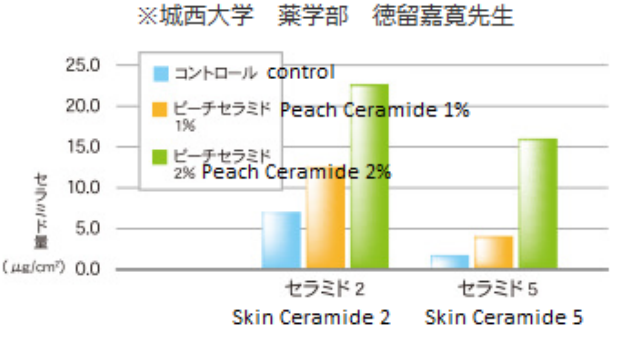
ピーチセラミド®のグルコシルセラミド

Heat stability Testing on peach ceramide conducted in Japan

ピーチセラミド®のセラミド（スフィンゴ糖脂質）は、幅広いpH領域で安定です。
※90%エタノール溶液(pH6.8)のスフィンゴ糖脂質を100%とした。

pH stability Testing on peach ceramide

conducted in Japan



Peach ceramide stem cell solution was added to the three-dimensional human skin, the skin ceramide 2 compared with ceramide 5. Ceramide 2 and 5 was observed a significant increase compared to the Control. Moisturizing function of the skin barrier and efficacy increased. (Patent pending)

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1) ^Ichikawa S, Ozawa K, Hirabayashi Y (Jun 1998). "Assignment of a UDP-glucose:ceramideglucosyltransferase gene (UGCG) to human chromosome band 9q31 by in situ hybridization". *Cytogenet Cell Genet***79** (3–4): 233–4. doi:10.1159/000134731. PMID 9605861.

2) ^Ichikawa S, Sakiyama H, Suzuki G, Hidari KI, Hirabayashi Y (Jul 1996). "Expression cloning of a cDNA for human ceramideglucosyltransferase that catalyzes the first glycosylation step of glycosphingolipid synthesis". *ProcNatlAcadSci U S A***93** (10): 4638–43. Bibcode:1996PNAS...93.4638I. doi:10.1073/pnas.93.10.4638. PMC 39331. PMID 8643456.

3) Matsuo N, Nomura T, Imokawa G (1992). "A rapid and simple assay method for UDP-glucose:ceramideglucosyltransferase". *Biochim. Biophys. Acta***1116** (2): 97–103. doi:10.1016/0304-4165(92)90105-4. PMID 1533793.

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5) Watanabe R, Wu K, Paul P, et al. (1998). "Up-regulation of glucosylceramide synthase expression and activity during human keratinocyte differentiation". *J. Biol. Chem.***273** (16): 9651–5. doi:10.1074/jbc.273.16.9651. PMID 9545298.

6) http://en.wikipedia.org/wiki/Chromosome_9

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