

Did you know?

Telomeres and Aging

Telomeres are short nucleotide sequences found at the end of linear chromosomes. They protect the genetic information and ensure DNA replication to perform effectively. Telomeres function by preventing chromosomes from losing base pair sequences at their ends. However, each time a cell divides, some of the telomere is lost.

Telomeres are an essential part of human cells that affect how our cells age. In humans, average telomere length declines from about 11 kilobases at birth to fewer than 4 kilobases when we age with the average rate of decline being greater in men than in women. Telomere length represents our biological age as opposed to our chronological age. Telomeres can also be shortened by UV rays, oxidation, stress, smoking, obesity, lack of exercise and a poor diet. When telomere length reaches below a critical limit, the cells undergo senescence and/or apoptosis that results in aging skin.

To prolong telomere length and cell longevity, you have to avoid exposing to any exposomes*. Several studies have shown that antioxidants and sun protection are the primary ways to protect DNA and telomere from the outside in. Therefore, protecting telomere can preserve youthfulness, beauty, longevity and healthy aging.

*Exposome is a collection of environmental factors such as stress and diet, to which an individual is exposed and which can have an effect on health.

Reference
Okuda K, Bardeguet A, Gardner JP, Rodriguez P, Ganesh V, Kimura M, Skurnick J, Awad G, Aviv A (September 2002). "Telomere length in the newborn". *Pediatric Research*. 52 (3): 377-81

Events

December 2019

Date Event/Website

04-06	China International Nail Expo, Beijing, China	https://beijingnailexpo.com
05-07	Food pex India (Processing and Packaging), New Delhi, India	https://www.foodpex-india.com
06-08	India Diagnostic Expo, Hyderabad, India	http://www.indiadiagnosticexpo.com
08-10	WOP World of Perishables, Dubai, United Arab Emirates	https://www.wop-dubai.com
11	DCAC Mini-Seminar, PT. Chemico Surabaya, Surabaya, Indonesia (tentative)	
12-14	Drink technology India, New Delhi, India	https://www.drinktechnology-india.com
21-22	Make Me Up Festival, New Delhi, India	https://makemeupindia.com/events_exhibition.php
22-23	International Agarbatti & Perfume Expo Mumbai, India	http://www.incensexpo.com
25-27	Shenzhen International Beauty Cosmetics Expo (IBC2019), Shenzhen, China	http://www.mobogj.com/edition/38.html

Regulation

Thai FDA List of Statement of Nutrient Function Claim (part 8)

Continuous part of annex table for statement of nutrient function claim.

This regulation came into force on June 11, 2019.

No	Nutrient	Function claim
16	Calcium	16.6 Calcium contributes to normal neurotransmission. 16.7 Calcium contributes to the normal function of digestive enzymes.
17	Phosphorous	17.1 Phosphorus is needed for the maintenance of normal bones and teeth. 17.2 Phosphorous contributes to the synthesis of bones and teeth. 17.3 Phosphorous contributes to normal energy-yielding metabolism. 17.4 Phosphorous contributes to normal function of cell membranes.
18	Iron	18.1 Iron contributes to normal formation of red blood cells and hemoglobin. 18.2 Iron contributes to normal energy-yielding metabolism. 18.3 Iron contributes to normal oxygen transport in the body.

Reference : www.fda.moph.go.th

To be continued next month



News



Nisshin mini-seminar, Myanmar

Chemico Myanmar Co., Ltd. has been sharing the knowledge about beauty products to customers since 2017, and this time comes about Ester oils. Ester oils are widely used as emollient in skin care, hair care and makeup products and so on. On October 8, 2019, Chemico Myanmar in collaboration with The Nisshin Oillio Group, Ltd. and Chori Co., Ltd. held a mini-seminar on how ester oils effectively work? and what are their functions in beauty products? We had a workshop in Chemico Myanmar Application Center as well.



Nisshin Oillio Road-Show Seminar, Thailand

The Nisshin Oillio Group, Ltd. and Chori Co., Ltd. in collaboration with Chemico Inter Corporation Co., Ltd. held road-show seminars in Bangkok, Thailand on October 9, 2019 at Starbucks The Street Ratchada and October 10, 2019 at Starbucks Paseo Kanchanaphisek under the same topic "The Natural Power of Plants". The seminar started with Japanese market and company profile, followed by Nisshin Oillio products focused on 1) liquid esters for makeup and skin care products including T.I.O, Salacos 913, Salacos 5408, Nomcort HP-30VE, Cosmol 222 and Cosmol 43 V 2) Cosmol 168 series, the paste esters that can improve spreadability, adhesiveness and glossiness to the lipstick 3) suitable emulsifiers and ester for cleansing oil formulation which are Salacos GE-118, Salacos GE-138 and Salacos 99. Several popular Japanese market products using Nisshin Oillio ingredients and Chemico formulations matching to some of these Japanese products were displayed for the customers to try.



TORAY Mini-Seminar, Surabaya

Toray Industries Inc. and Chori Co., Ltd. in collaboration with PT. Chemico Surabaya held a mini-seminar on October 15, 2019 at Chemico Surabaya Application Center, East Java, Indonesia under the topic "A Unique Powder for Your Product". On this opportunity, they presented information about Japanese market trend and type of Nylon powder that can be used for skin care and make up products. During the workshop session,



Ajinomoto seminar, The Philippines

Ajinomoto Co., Inc. in collaboration with Chemico Philippines Inc. held a first seminar entitled "Amino Beauty" on October 17, 2019 at Chemico Philippines Application Center. During the seminar, Ajinomoto introduced Mild surfactants as well as Market trends and Formulations. The customers were invited to make Natural clear shampoo and had the opportunity to do wash test evaluation.



Holista Seminar, Indonesia

"Holista Colltech Ltd. together with PT. Kemiko Indonesia held an interactive seminar with the theme of "Nature's Answer to the Use of Chemical" on October 22, 2019 with Mr. Jason Lee as a key speaker. We were talking about the advantage of Ovicoll 95 as collagen in the formulation. The other topics covered in this seminar included Holista Colltech's company profile, Ovicoll 95 as Halal Sheep Collagen and market trend for collagen. The day ended with a fun and educative competition for all participants."