

INNO-AGE
Innovation for Aging Care



Innovation for Aging Care

&

Special Need Patients

www.inno-age.com

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ABOUT COMPANY

IONS LABORATORY CO., LTD. was established in 2019. It located in Bangkok, Thailand. The company aims to develop innovative products for older people and people with special needs.

Our first products' line under **"Inno-Age Oral Care"** included

Suction toothbrush
Toothfoam
Toothpaste
Mouthwash



We develop innovative oral care products for older people, people suffered from cancer, dry mouth due to diabetes and systemic diseases, sore throat from COVID-19.

Our products are currently used in the hospital ward, intensive care unit, and dental department in several University Hospitals and Dental School, renowned private hospitals in Bangkok, Public Hospital under the Ministry of Public Health as well as several private dental clinic.

Our products are produced by International certified manufacturers. All the products are registered with the Food and Drug Administration of Thailand. Our company is selected and supported by the National Science and Technology Development Agency as the company with the deep technology.

OUR BEGINNING

2018

The beginning of Ions Laboratory

With the beginning, the geriatric nurse at Maharaj Nakorn Chiang Mai Hospital came to ask for advice on how to brush teeth for older patients who are hospitalized. Most older patients could not sit up right to brush their teeth. The nurse, therefore, had to brush the patient's teeth in a lying position. The nurse was afraid of the possibility of choking on toothpaste and water while brushing the patient's teeth.

This is the origin of the research and development for suction toothbrush and new innovative toothfoam program. for the dependent older or bedridden patients in 2018



The research team searched for information and reports from around the world and reviewed all reported and publications. The team had traveled to Japan to study the oral care for the dependent and hospitalized patients. The team then brainstormed, developed and designed a toothbrush with a liquid drainage hidden inside the handle. There is a thread at the end of the handle to allow it to connect to the suction system on the hospital ward. The suction toothbrush has a mechanism that controls the suction power while brushing teeth, nurses can suck liquid out of the patient's mouth as soon as needed

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When the design is finished, a prototyped was developed and tested for strength, durable, applicable, etc. The research team improved all the weaknesses until a suction toothbrush works effectively.

2022

Our suction toothbrush is an innovative product especially designed for the dependent older people. Therefore, the brand was named Inno-Age. The suction toothbrush was registered as a medical device. from the Food and Drug Administration (FDA), Ministry of Public Health, Thailand. It also received the Outstanding Innovation Product Award in 2022.

In the year 2022, the company was selected from the National Science and Technology Development Agency (NSTDA), Ministry of Higher Education, Science, Research and Innovation to be one of eight national Health Tech teams in the NSTDA Accel Cohort #2 project.

The Next Milestone is the Global Market Expansion

under “ Inno-Age Laboratory ”

During the last quarter of 2022, the company's management team saw the potential and growth of the global aging product market, the company has been selected from the Department of International Trade Promotion Ministry of Commerce (DITP) to be part of Thailand Pavilion at the medical device exhibition in Medica 2022, held at Dusseldorf, the Federal Republic of Germany. To make it easier to remember our Inno-Age trademark, therefore, our company has established another company under the name “**Inno-Age Laboratory Co., Ltd.**” which is the same name as the trademark.

ADMINISTRATIVE TEAM

We are a company that focuses on creating innovative health products. We started with the oral care for older people who tend to have chronic physical health problems.



The first executive in charge of the innovation section is **Dr. Kitti Satitanon**. Dr. Satitanon graduated from the Faculty of Dentistry, Chiang Mai University.



He has more than 25 years of experience in research and development of leading brand of oral care products including toothpaste, toothbrush, mouthwash, oral spray, and dental floss in Thailand which originated from France. He is the inventor and designer of our Inno-Age suction toothbrush, Inno-age Rebalance toothfoam, toothpaste, and mouthwash formulas for older people with dry mouth. All of our products use gentle ingredients which are suitable for the delicate oral tissue. Most of them are derived from natural source.

Our Chief Technical Officer who supervises the knowledge in geriatric medicine and dentistry is **Professor Dr. Patcharawan Srisilpanan.**



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She is our consultant in oral knowledge of the older people. as well as supervising the research in order to make the effective and practical products which lead to the safety and good quality of life of older people.

OUR Mission & Vision

We are committed to creating innovative products that care of the health of the older people and special need patients in all aspects to improve their quality of life.

COMPANY STRATEGY

The oral cavity of the older people is different from the other age group. Gums, teeth, and oral mucosa have changed with age. These organs have been used for a long time. Therefore, the oral cavity is fragile and need special care. Our goal is to prolong the oral cavity to be able to continue the effective lifelong function for chewing, speaking and swallowing.

Each older people may have different physical, oral, and mental changes. Relatives or caregivers of the older people should be educated and advise all oral health and health information in order to provide properly care for both the oral cavity and the body.

Moreover, they could be able to choose the appropriate oral care products developed specifically for the older people that are suitable for their oral conditions.



Although some older people are fragile or frail, but many oral and health conditions could be prevented. The relatives or caregiver should always keep in mind and learn about how to prevent and provide the best care to them.

Our approach focus on research and development for the oral care products to meet the different needs of the older people. We support the holistic health care especially on the role of oral care in holistic care. Because the mouth is the door to good health

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Because Oral Health Matter

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OUR PRODUCTS



OUR PRODUCT

01 Inno-Age Suction Toothbrush



- Toothbrush is specially designed for the dependent older people or hospitalized patient, patient in intensive care unit and unconscious patient
- New innovation that the brush handle has a drain hidden inside to reduce the risk of choking
- The head of the toothbrush is rounded, no sharp corners to reduce the irritation and oral ulcers.
- The brush handle is designed to have an oval shape to provide the firm grip for nurse or caregiver when brushing
- There is a thread at the end of the brush handle which could connect tightly to the suction system
- Tested for quality and standards from dental professionals

02

Inno-Age ReBalance Toothfoam



Mouth dryness is commonly found in old age. Several medications, undergone chemotherapy or radiotherapy, having chronic diseases, sleeping with open mouth, snoring are important causes of mouth dryness.

INNO-AGE ReBalance Toothfoam with its special formula is developed for older people and those who suffer from mouth dryness. With more than 90% of the ingredients derived from nature. The product is food-grade. The toothfoam provides moisture and a soft feeling after use.

Key Attributes:

- Tooth foam is a toothpaste in a foam appearance. It has been specially developed for the older people or those in dependency, hospitalized patient, patients in intensive care units and patients who are particularly unconscious.
- When using the toothfoam, there is no need to rinse before or after toothbrushing
- Gentle formula, does not burn the mouth, adds moisture feeling after brushing teeth, no residue is left, less irritate the oral tissue.
- Very easy to use without water in mouth
- Create plenty of small bubbles by one pump on the tooth surface before brushing
- Minimize risk for choking, only 0.5 ml liquid remaining after brush, which easily remove by suction toothbrush
- 90% Natural derived ingredients and food-grade
- No alcohol, no SLS, no paraben, less irritating the oral tissue.
- Organic aloe vera extract re-hydrated feeling and moisture.
- Natural sweetener from Stevia
- Maximum protection from tooth decay with Fluoride 1000 ppm.
- Anti-bacteria by Cetyl-Pyridinium Chloride (CPC)
- Net content 50 ml./bottle
- Thai FDA 13-1-6400013841

03

Inno-Age ReBalance Toothpaste



Mouth dryness is commonly found in old age. Several medications, undergone chemotherapy or radiotherapy, having chronic diseases, sleeping with open mouth, snoring are important causes of mouth dryness.

Inno-Age ReBalance toothpaste with its special formula is developed by dental experts for older people and those who suffer from mouth dryness. More than 90% of the ingredients are natural and food-grade. Inno-Age ReBalance toothpaste provides moisture and long-lasting protection against oral bacteria, dental decay, plaque formation and bad breath.

Key Attributes:

- Creamy toothpaste special developed for the older people or those suffered from dry mouth
- Suitable for people who take medicines that have side effects that cause dry mouth, such as diabetic drugs, antihistamine, antidepressants.
- Suitable for those with sensitive oral cavity, susceptible to irritation, such as cancer patients receiving chemo- or radiotherapy on the head and neck as well as other area
- Gentle formula, does not burn the mouth, adds moisture feeling after brushing teeth.
- 97% natural ingredients, food grade. for safety
- Free from SLS, Paraben, alcohol and Saccharin
- Organic aloe vera extract re-hydrated feeling and moisture.
- Natural sweetener from Stevia
- Maximum protection from tooth decay with Fluoride 1450 ppm.
- Anti-bacteria by Cetyl-Pyridinium Chloride (CPC)
- Net Weight 120 gram
- Thai FDA 11-1-6400047162

04

Inno-Age ReBalance Mouthwash



Mouth dryness is commonly found in old age. Several medications, undergone chemotherapy or radiotherapy, having chronic diseases, sleeping with open mouth, snoring are important causes of mouth dryness.

INNO-AGE Rebalance mouthwash with its special formula is developed by dental experts for older people and those who suffer from mouth dryness. More than 90% of the ingredients are natural and food-grade. INNO-AGE Innovative mouthwash provides moisture and long-lasting protection against oral bacteria, dental decay, plaque formation and bad breath

Key Attributes:

- Mouthwash special developed for the older people or those suffered from dry mouth
- Suitable for people who take medicines that have side effects that cause dry mouth, such as diabetic drugs, antihistamine, antidepressants
- Suitable for those with sensitive oral cavity, susceptible to irritation, such as cancer patients receiving chemo- or radiotherapy on the head and neck as well as other area
- Gentle formula, does not burn the mouth, adds moisture feeling after brushing teeth
- 97% natural ingredients, food grade. for safety
- Free from SLS, Paraben, alcohol and Saccharin
- Organic aloe vera extract re-hydrated feeling and moisture
- Natural sweetener from Stevia
- Maximum protection from tooth decay with Fluoride 250 ppm
- Anti-bacteria by Cetyl-Pyridinium Chloride (CPC)
- Net volume 500 ml
- Thai FDA 11-1-6500001779

EXHIBITION



Annual conference the Thai Society of Gerontology & Geriatric Medicine, 2020, Bangkok, Thailand

EXHIBITION



Visited by the Former Minister of Public Health



Visited by the Minister of Labor



Visited by the Governor of Bangkok Metropolitan

Thailand Friendly Design Expo 2022, BITEC, Bangkok, Thailand

EXHIBITION



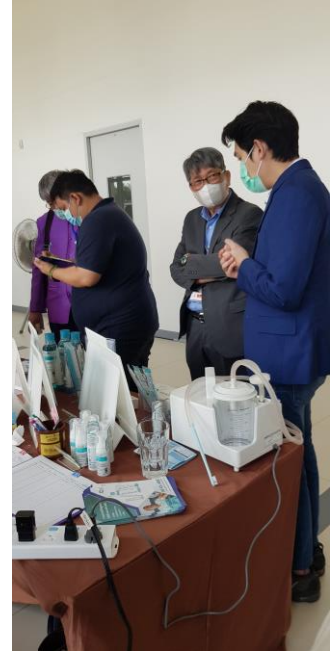
Dental conference, 2022, The Kantary Hill Hotel, Chiang Mai, Thailand

EXHIBITION



Oral health: A Gateway to Overall Health , 2022, Chiang Mai, Thailand

EXHIBITION



Northern Wellness Economic Corridor, 2022, Chiang Rai, Thailand

EXHIBITION



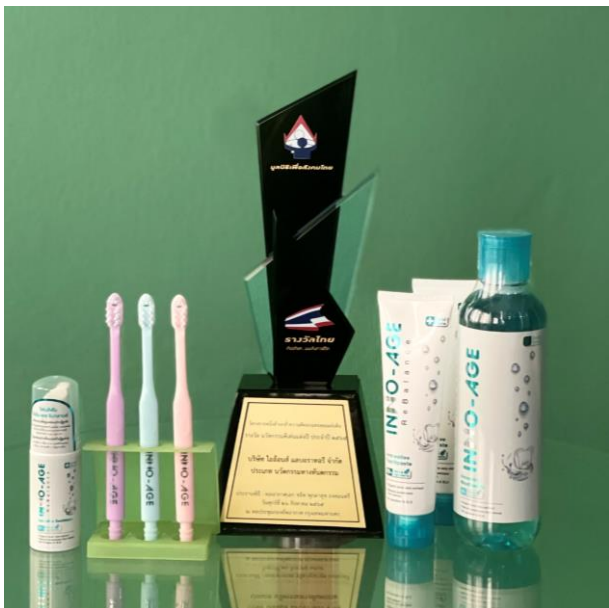
APEC BCG Economy,
2022, Bangkok,
Thailand



AWARD



Excellent Innovation Award 2022 For Innovation in Oral Health, 26 August 2022





INNO-AGE
Innovation for Aging Care

Innovation for Aging Care &
Special Need Patients

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