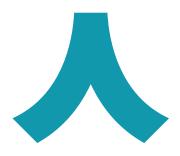


Research Study Group and Outcome Development

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Company Introduction



Company Profile

Company Name	ORTHOMEDICO Inc.	
Establishment	2005/06	
Capital Stock	75M yen	
President	Kazuo Yamamoto	
Staff members	Full-time: 50 Part-time: 75	
Address	〒112-0002 2F Sumitomo Fudosan Korakuen Bldg., 1-4-1 Tokyo, Japan	
Website	https://www.orthomedico.jp/english.html	
Area of business	 Clinical Trial Agent for submission of notifications Participant recruitment Market Research Research Study Group Organization Outcome Development Overseas Business 	



山本和雄 **Kazuo Yamamoto** President/ CEO

Koishikawa, Bunkyo-ku,

▲ A Brief History of ORTHOMEDICO

- ▲ In 06/2005, ORTHOMEDICO was created as a subdivision in Tokyo Medical and Dental University.
 - Sole purpose was to evaluate food safety
- ▲ Over the years, ORTHOMEDICO has evolved enormously from a small division in a university to a major company with numerous clients both locally and internationally.

Our passion for ensuring food safety has remained unchanged.

Sparing no effort in proving the safety of our clients' food products!

Overseas

Enterprise



Support to overseas enterprise

- Acquisition of scientific evidence of Asian population
- Agent for notification as food with functional claims
- Organization of study groups and seminars to promote clients' products /idea.
- Expansion of business to the Japanese market



Japanese









- Acquisition of scientific evidence of oversea non-Asian population
- Expansion of business to overseas market





Research Study Group Organization



Research Study Group Organization



*HAJIKEN is a contraction of the original Japanese name "はじめての研究会" (Hajimete no kenkyukai), meaning "first study group".





- ▲ In Orthomedico, we help businesses and researchers spread the words of their nutritional or medical researches, while advertising their products or sharing their research ideas through
 - Establishing study groups
 - Organizing seminars, workshops, symposiums and conferences
 - Providing financial support to businesses / researchers



Research Study Group Organization

6 steps from enquiry to organization

Total Support from seminar objective establishing, lecturer selection, scale estimation, timing suggestion, to setting up of venue after initial enquiry!





Examples of academic events held

Health Food Academic Salon





Event example A

No. of lecturers	4
No. of participants	Approx. 50 ~ 100
Planning and operating cost	Approx. 2,000,000 yen





[16:00~17:30] 講演後、演者によるパネルディスカッションを予定しております。 座長:矢澤一良 先生 規範科学総合研究所ヘルスフード科学的



【18:00-19:00】 文京シビックホール 【スカイホール】 講師の先生方への質問や名刺交換の場としてご活用ください。

Researchers in the field of sports science were invited to give speeches



Examples of academic events held

International Vitamin K2 Symposium







The 1st Vitamin K2 health function and application challenges Speaker



Presentation time 12:35 - 13:05 —
Progress in Vitamin K2 Research and
Its New Health Functionality in
Japan
Graduate School of Agricultural
Science, Tohoku University

Prof. Dr. Hitoshi

Presentation time 14:20 - 15:00 —

Effects and Related Mechanisms of Vitamin K2 Supplementation on Diabetes

Harbin Medical University, Public Health

Prof. LI YING



Presentation time 13:05 - 13:35

Discovery of Novel Bioactive
Substances by Derivatization of
Vitamin K

Faculty of Bioscience and Engineering
College of Systems Engineering and
Science, Shibbarra Institute of

Shirakawa

Technology
Prof. Dr. Yoshitomo
Suhara



Presentation time 15:00 - 15:40 —

New Insights on Menquinone-7

Effects in Vascular Calcification and Stiffness

Southwest Jiaotong University
Hospital, The Third People's Hospital of

Chengdu, Hematology
Prof. TAN JING





No. of lecturers 6

No. of participants Approx. $150 \sim 200$

Planning and operating cost Approx. 5,000,000 yen



Presentation time 13:35 - 14:05 From Japan! Health Function of
Natural Fermented Vitamin K2
(Menaquinone-7)
Assistant director, Food Design Center,
J-Oll MILLS, Inc.

Mr. Toshiro Sato



Relationship between the inhibitory effect of calcium migration by vitamin K2 and inflammatory factors Shanyang Pharmaceutical University, Life Sciences and Biological Pharmacy

Prof. XU FENG

* Depending on the control of COVID-19, there is a possibility of changes to the program or suspension of the event. Your understanding would be much appreciated.

Japanese and Chinese researchers gathered to share their Vitamin K research results.

★ ORTHO MEDICO

Best Life Award (BLA)

▲ What is the Best Life Award?

It is basically a 30M yen research support fund dedicated for individuals and organizations such as local small businesses to plan and conduct their QOL-improving researches.

▲ Objective

◆ Help/ provide assistance to individuals or organizations who are engaged in developing ways to improve people's QOL, and realize their underused/unused ideas.

▲ General flow

 Upon receiving applications, applicants and their projects will be reviewed by a selection committee before the selected applicants are finalized and awarded.





Best Life Award (BLA)

▲ Target areas:

Food (Raw material)

Food raw materials that are seen as potential candidates the contribution maintenance and promotion of health and beauty.

Food (Final product)

Food products that are seen as potential candidates in the contribution of maintenance and promotion of health and beauty (products which are sold already or scheduled for sale)

Epidemiological Survey

National survey that aims at development health of maintenance

Confectionaries

Food products that are seen as potential candidates in disease prevention and health promotion (confectioneries and snacks)

Daily necessities

Products and technologies such as bathtub, toilets, sanitary, and textiles (clothing) that are seen as potential candidates in the contribution of improvement of QOL when used in living spaces

Health device Sporting equipment

Healthcare device and sporting equipment that support the understanding of health status and lifestyle, or support the practice of health promotion

Specialty foods from Japan

Specialty foods within prefectures of Japan



Best Life Award (BLA)

★ Here are some of the awardees of the 1st Best Life Award

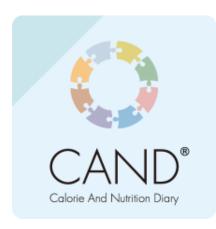


Activity Supported:

Clinical Trial

Research Topic:

 Study on the development of food with functional food for the prevention of Metabolic Syndrome and frailty



Activity Supported:

Dietary/Nutrition Questionnaire (CAND)

Research Topic:

 Impact of health literacy instructional interventions on the nutritional status among students enrolled in registered dietitian programme





Entry Deadline: 31st July, 2022 12:00JST



Outcome Development

Outcome Development

- ▲ In a clinical trial for functional food, **healthy individuals** are usually set as the main target for studying. Thus, it is often difficult for clinical outcomes used by pharmaceutical studies to be applied on such studies of food product.
- ★ With that in mind, clinical outcomes are proactively being studied here to increase the aim of the accuracy of evaluation of food product in clinical studies, in ORTHOMEDICO.



Clinical outcome and preclinical research service developed we can offer



Calorie And Nutrition Diary (CAND)



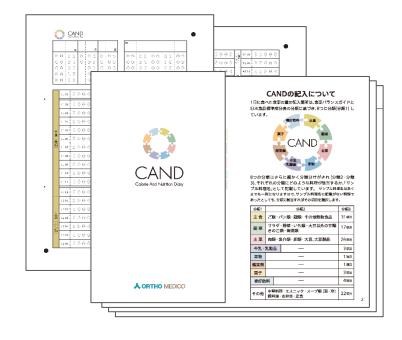
Nutrigenomics Service

Calorie And Nutrition Diary (CAND)

★ What is CAND?

- ▲ CAND is a novel dietary questionnaire developed by ORTHOMEDICO for quick and easy recording and assessment of dietary habits of test subjects.*
- ▲ Designed to allow individuals who are not accustomed to meal preparation to answer with ease.
- ★ Currently, CAND is being utilized in the following areas.
 - In university lectures and researches
 - In local food education activities
 - Self-health management of employees
 - Enquiry to the nutritional values of one's meal





^{*} N Suzuki, et al. A novel dietary questionnaire: The Calorie and Nutrition Diary (CAND) *New Food Industry* 2019;61(10):721-732.

Calorie And Nutrition Diary (CAND)

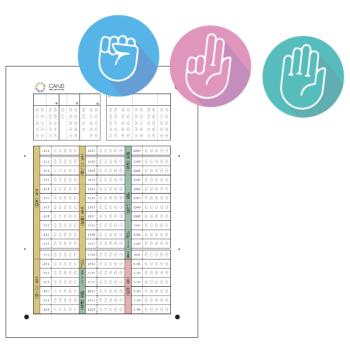
- ★ When conducting nutrition survey using CAND, details of meal is recorded through selection of dishes from list of names of dishes
- ★ The amount of food consumed (number of servings) is estimated using the size of the hand when playing "Gu, choki and par" (A Japanese version of "Paper, rock and scissors") as a reference
- ▲ Answers are recorded on a mark sheet











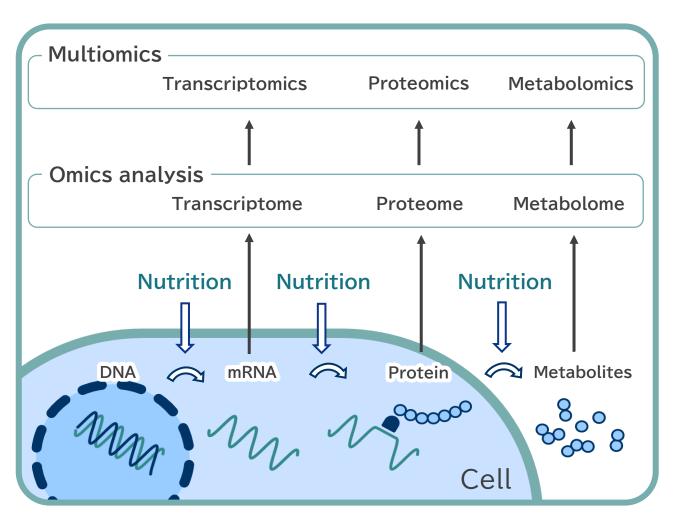
^{*} N Suzuki, et al. A novel dietary questionnaire: The Calorie and Nutrition Diary (CAND) *New Food Industry* 2019;61(10):721-732.



Nutrigenomics service

- Nutrigenomics service is a preclinical analysis service provided with the support from Professor Taichi Hara, an expert of food science from Waseda University
- ★ Service scheme: To analyze and demonstrate the changes on gene expression that occur when a food material is added to specific cells, and consequently examine and define the functionality of that food material in human beings





Contact Us

♣ Please feel free to contact us if you have any enquiry !

TEL: +81-3-3818-0610 (General)

+81-3-3812-0620 (Direct dial to Sales department)

Email: info-global@orthomedico.jp

▲ International Support Division



RICHARD SUN KWONG, LAI

Bachelor of Pharmacy, The University of Hong Kong
Registered Pharmacist of HKSAR
Considerable clinical experience as a pharmacist



XUN, LIU

Bachelor of Science, Tianjin
Medical University
Master of Medical Science,
University of Tsukuba
Ph.D., The University of Tokyo



Looking forward to working with you! Thank you very much!!

