



Special Roundtable Discussion: Aging Care Research and Its Implementation in Society



Jun Hirata

**Head,
Research and Development Unit, Health Science Research
Institute**

Work Experience

2021: Director, Drug Discovery Research Laboratory, Teijin Pharma Limited

2024: Director, Drug Discovery Research Institute, Teijin Pharma Limited

2025: Kirin Holdings Co., Ltd.
Head, Research and Development Unit, Institute of Health Sciences, Kirin Holdings Company, Limited

Area of Expertise

Immunology and Data Science.

Profile:

Research focus has evolved from disease science to data science and now toward health science, enabling cross-disciplinary research with a broad perspective.

At the Institute of Health Sciences, Kirin Holdings Company, Limited, leads research and development of functional ingredients, including studies on Lactococcus lactis strain Plasma (LC-Plasma).



Sachiyuki Teramoto

Director, FANCL Research Institute

Work Experience

- 1995: Joined FANCL Corporation, Food Science Research Institute Engaged in research and development of dietary supplements
- 1999: Product Planning, Development & Production Division Led product planning focused on sprouted foods and green juice
- 2010: General Manager, Functional Foods Division
- 2011: Director, Functional Foods Research Institute
- March 2025: Assumed current position.

Other Professional Experience

Served as a committee member of the Consumer Affairs Agency's Study Group on the Foods for Specified Health Uses (FOSHU) system.

Contributes industry perspectives and policy recommendations to government bodies, focusing on R&D challenges in the health food sector.

Yasuhiro Nishizaki

Profile

1986: Graduated from Tokai University School of Medicine
Completed graduate studies at Keio University School of Medicine and served as a Research Fellow at the University of California, Los Angeles (UCLA)

Current Appointments:

- Chief Professor, Department of Clinical Health Science, School of Medicine, Tokai University
- Director, Life Care Center, Graduate School of Medicine, Tokai University
- Director, Health Checkup Center, Tokai University Hospital (Isehara)
- President, Japan Society of Health Evaluation and Promotion (JHEP)
- President, International Health Evaluation and Promotion Association (IHEPA)
- Chairman, Center for Healthy Longevity Research and Education

Research Fields and Other Information

Expertise:

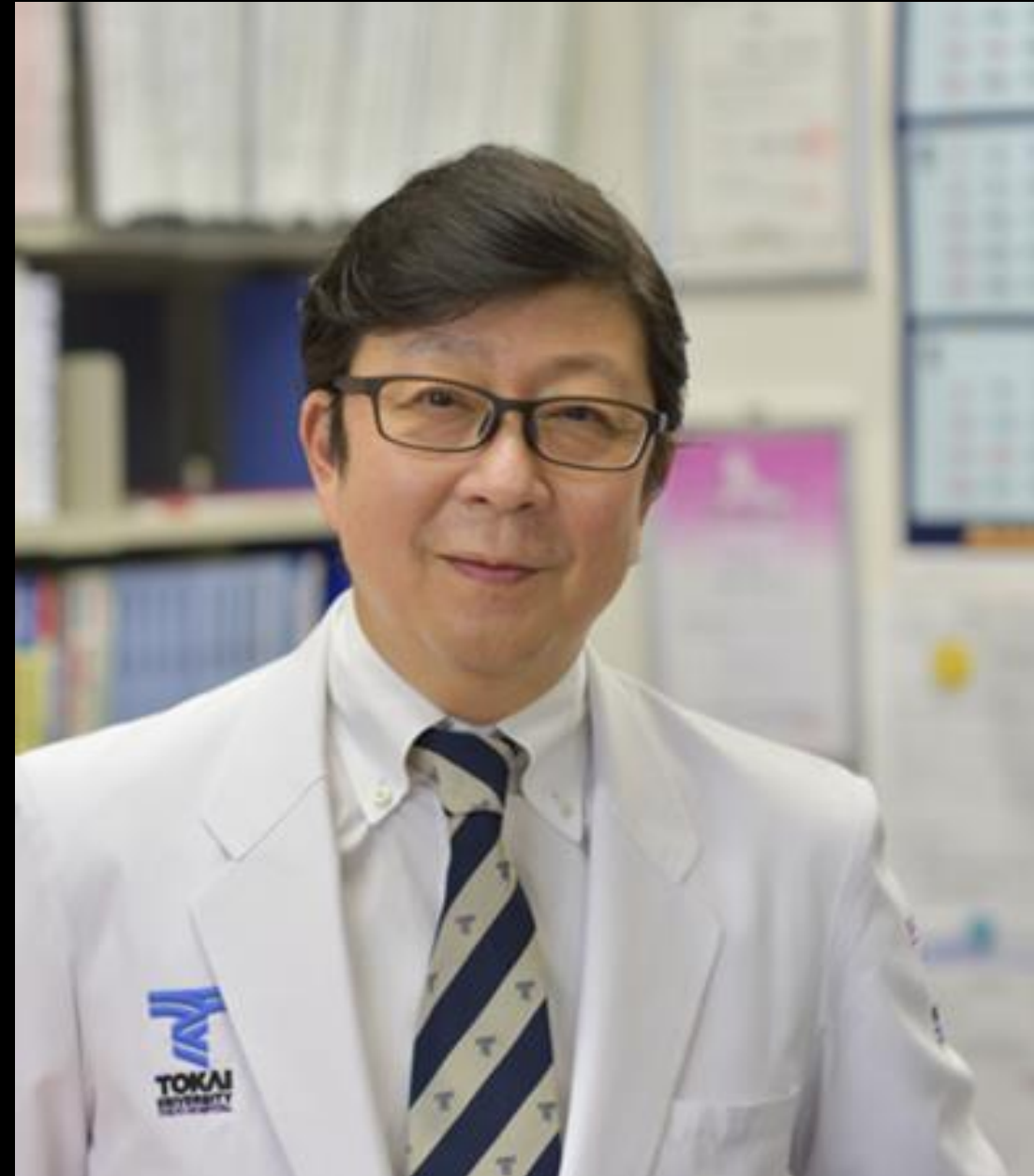
Preventive medicine, anti-aging medicine, gastroenterology and hepatology

Highlights:

Pioneer of anti-aging health checkup programs in Japan

Experience in collaborative research on LC-Plasma

Widely featured in the media as a preventive medicine specialist

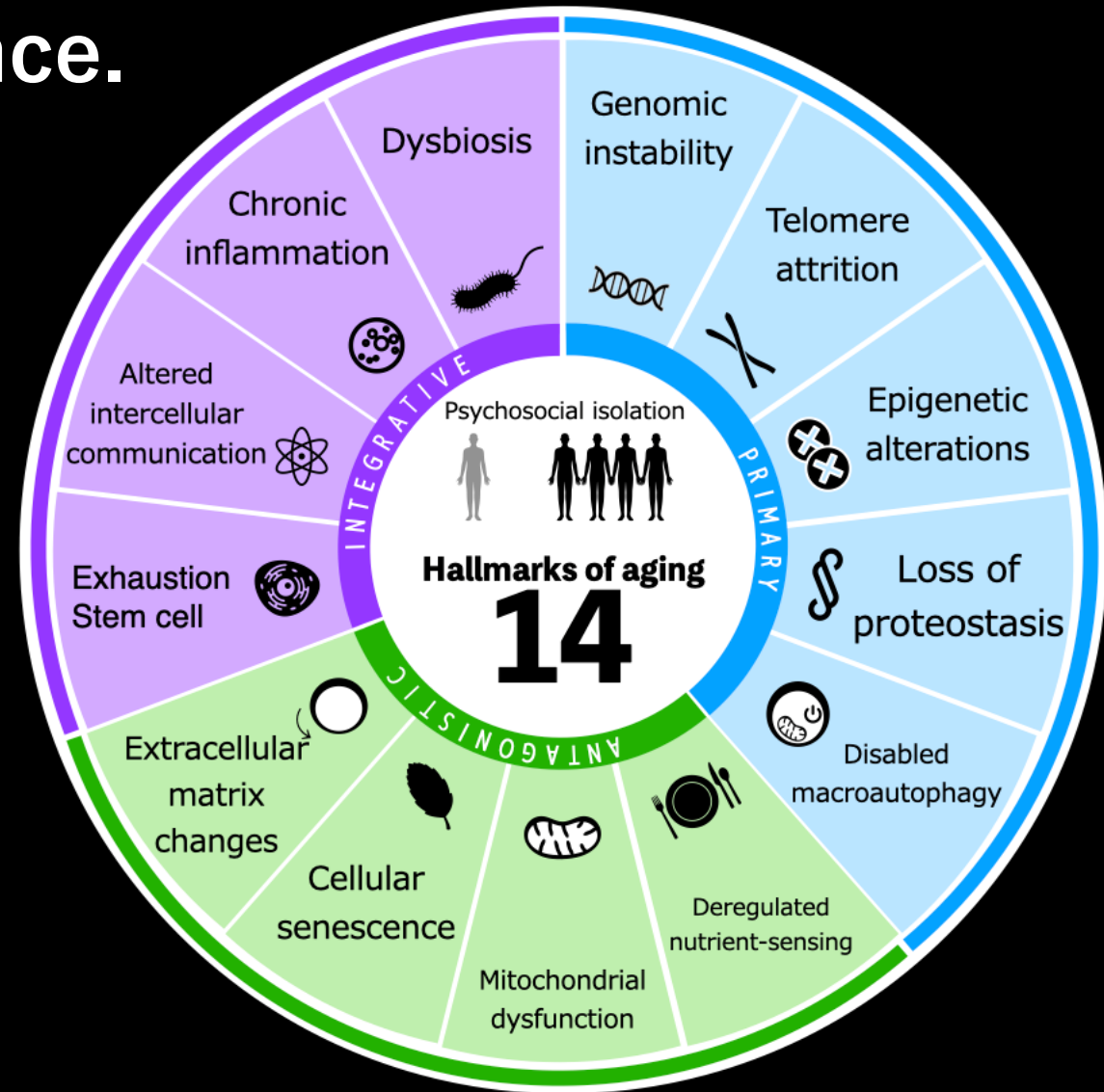


The Current Landscape of Anti-Aging Research

Anti-aging research is currently thriving and is being unraveled through science.

Reverse aging by 10 years.
\$100 million prize.
The XPRIZE Foundation
Competition.

A global race through 2030 to reverse muscle strength, cognition, and immunity by 10–20 years within a single year of treatment.



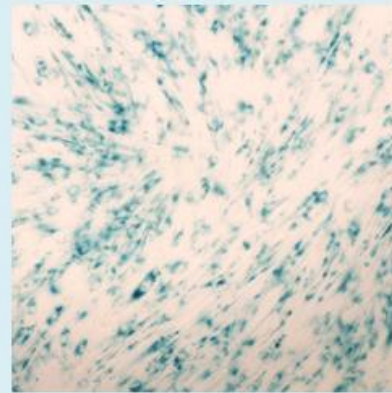
AGING HALLMARKS

Agrimonia pilosa (commonly known in Japan as Kinmizuhiki)

A perennial plant of the rose family that grows wild in mountainous and wooded areas. It has been used as a folk remedy since ancient times.



Discovery of a senescent cell-clearing effect



No treatment

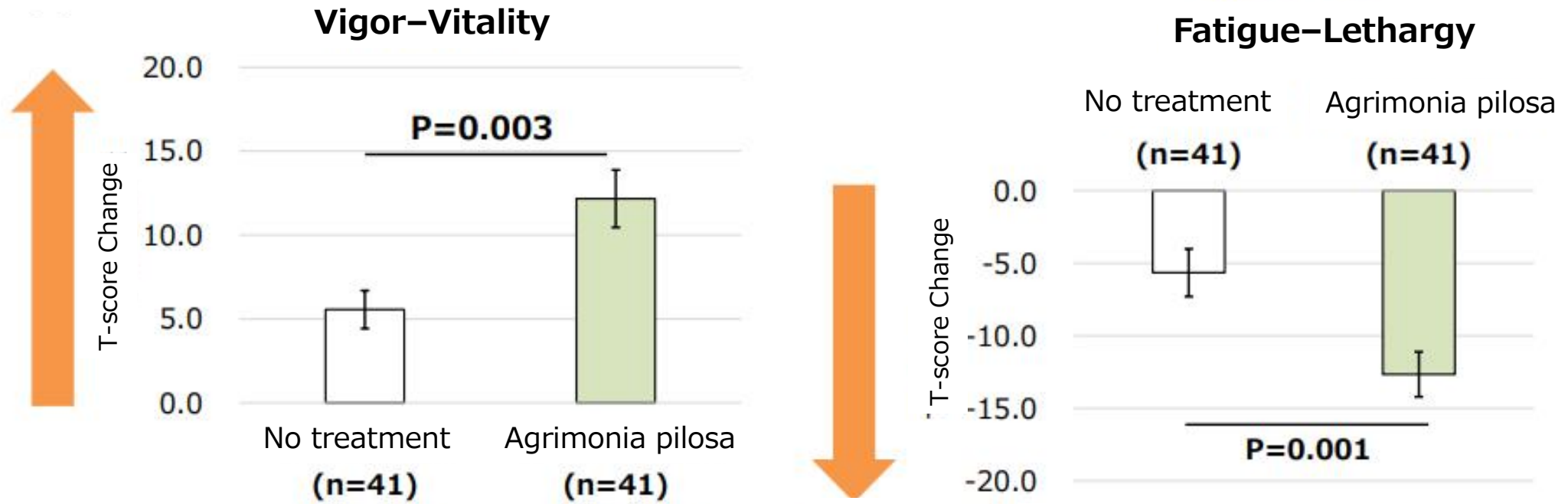


Agrimonia pilosa

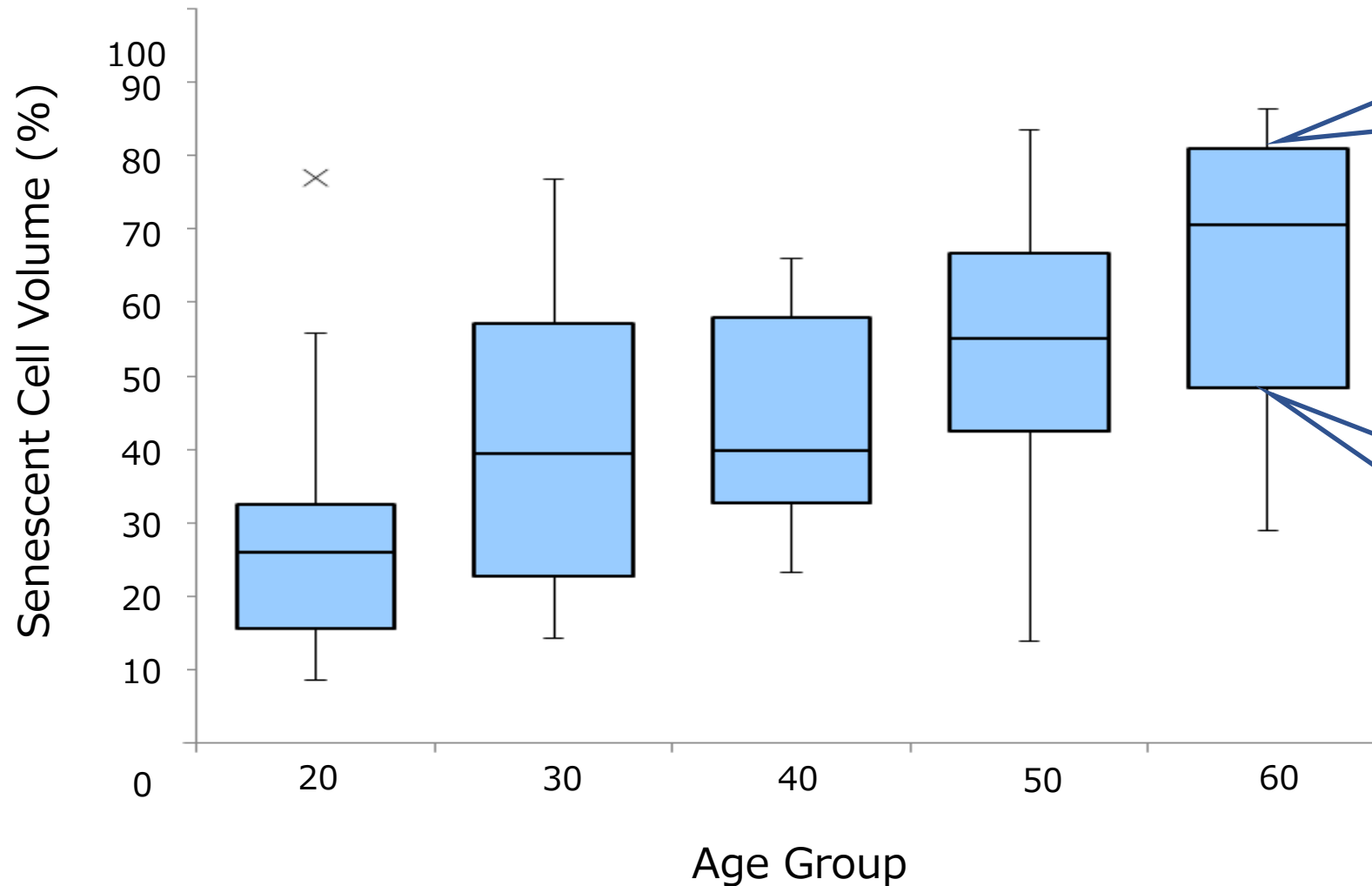


In 2015, it was selected from approximately 4,000 materials as a brain function ingredient and in 2020, its ability to remove senescent cells was discovered.

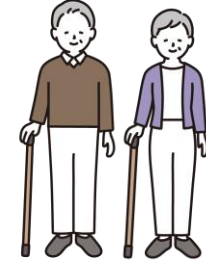
Anti-aging effects of **Kinmizuhiki** (*Agrimonia pilosa*)



Assessing senescent cells



High proportion of senescent cells



Low Senescent Cells



Healthy Longevity in Japan and the Power of Food



Kirin's Fermentation and Bioscience Focus on “Koji”

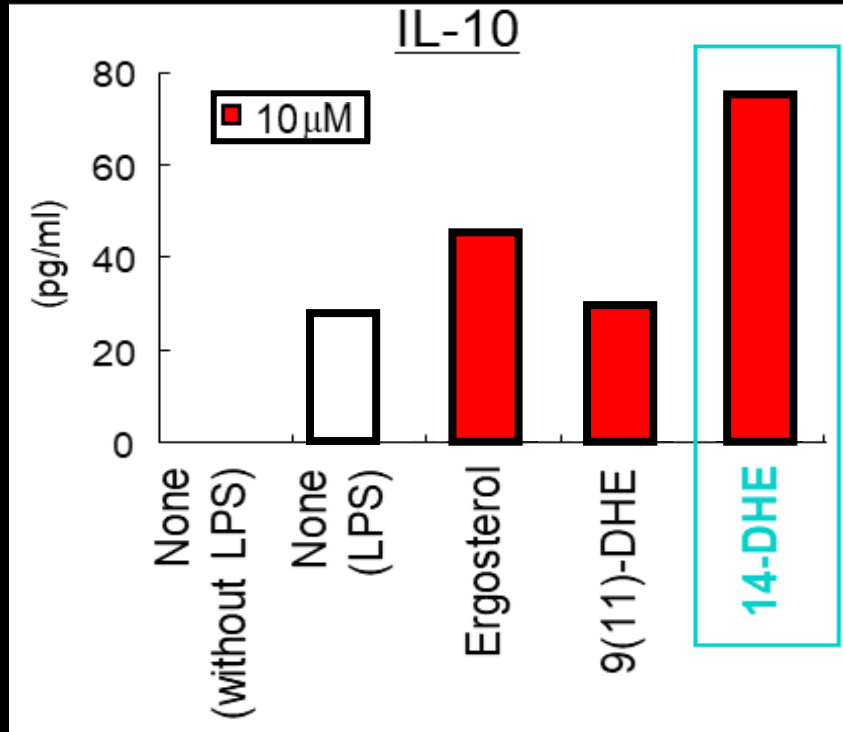
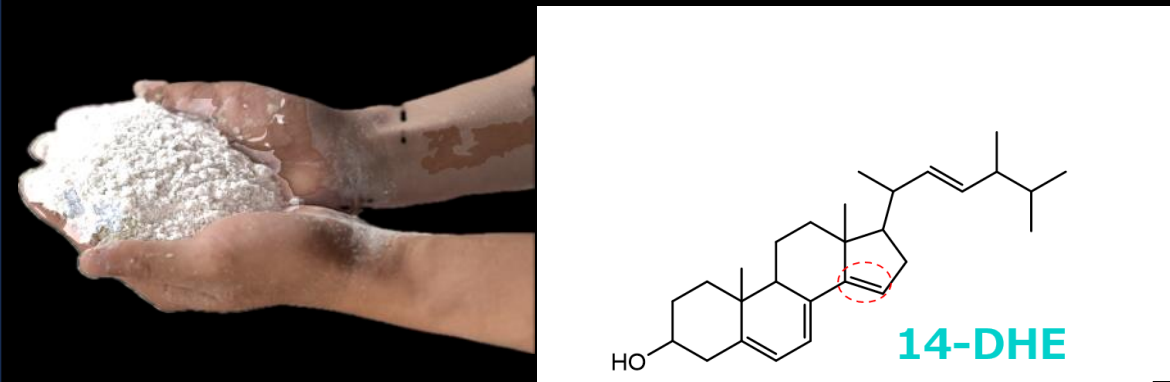
Epidemiological studies suggest skin benefits of koji-fermented foods, including improved skin moisture and texture from miso and similar products.

Awareness of these benefits is widespread in Japan, supported by traditional observations such as brewers' fair complexions and amazake's※ reputation for enhancing skin appearance.



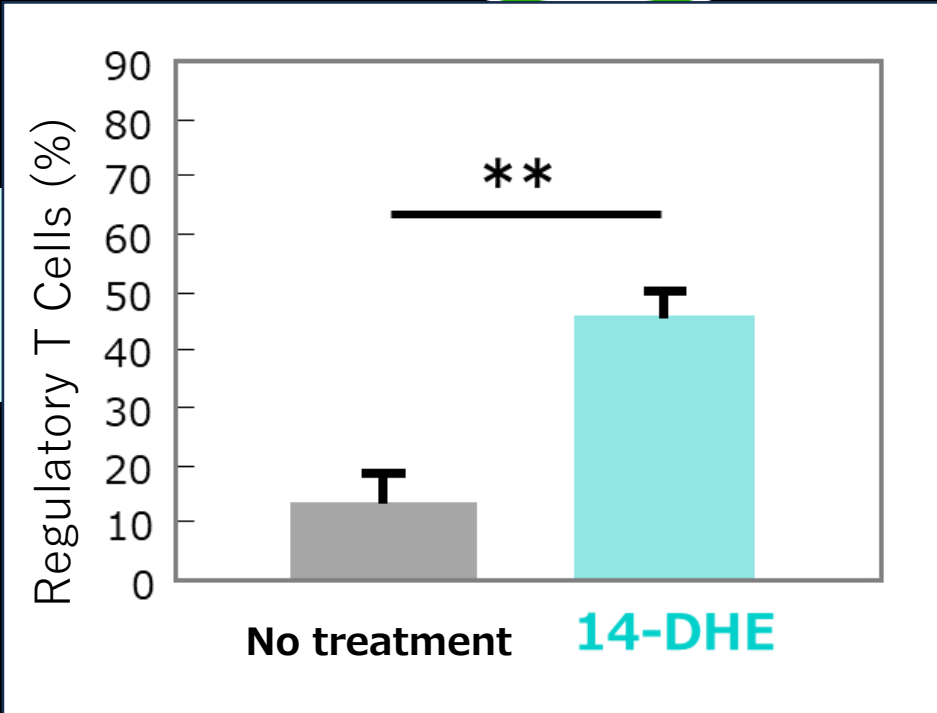
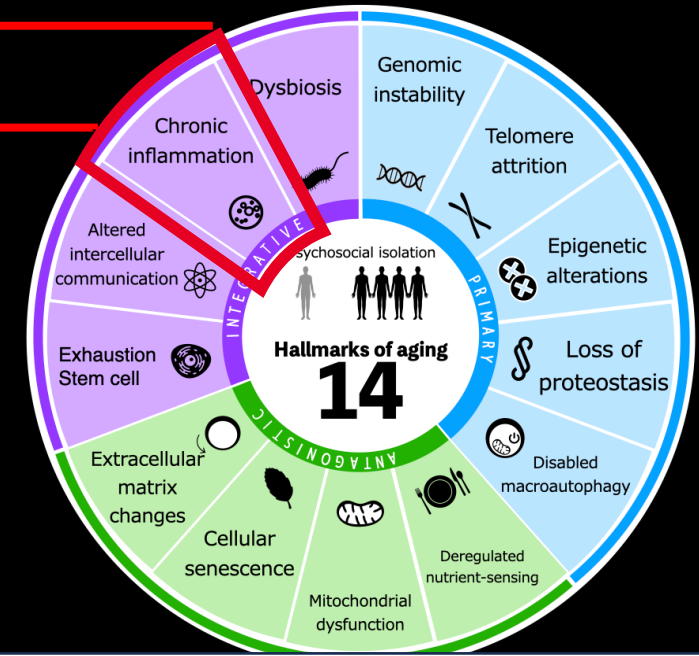
※amazake (a traditional Japanese fermented rice drink)

14-DHE: A Koji-Related Bioactive Component



Induction of
Tolerogenic
Dendritic Cells

Induction of
Regulatory T Cells
(Tregs)



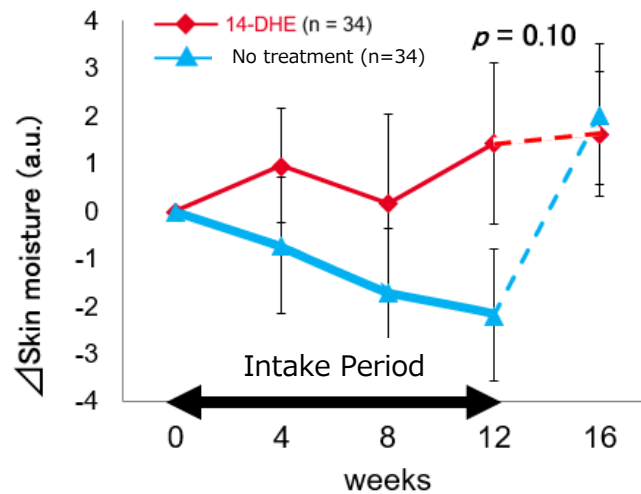
Function of 14-DHE

Human Trial (RCT) Summary

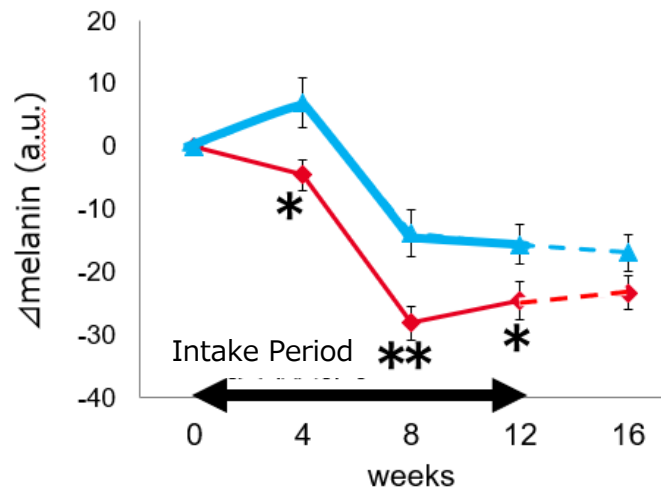
14-DHE supplementation at 0.2 mg/day



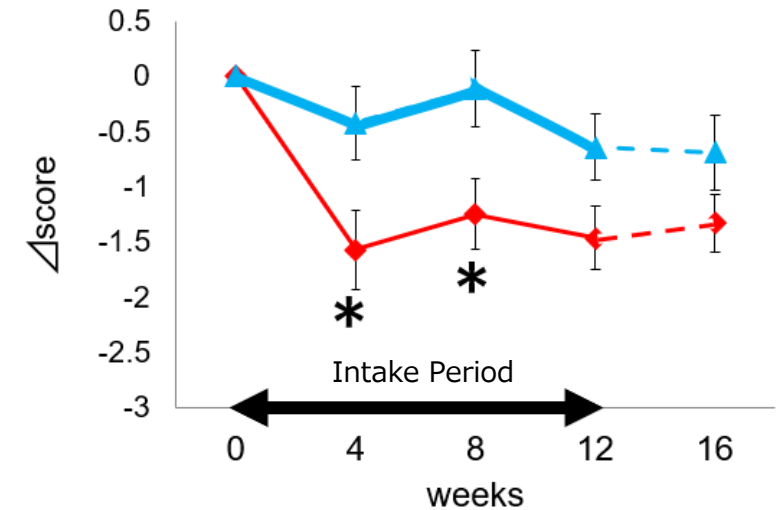
Skin moisture content



Melanin content



Skin Moisture



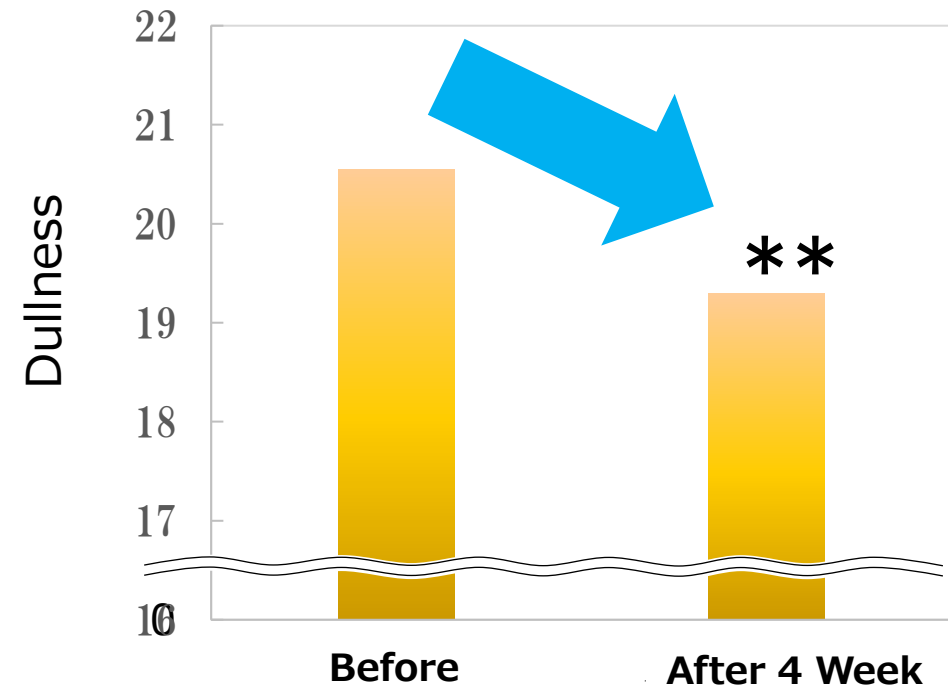
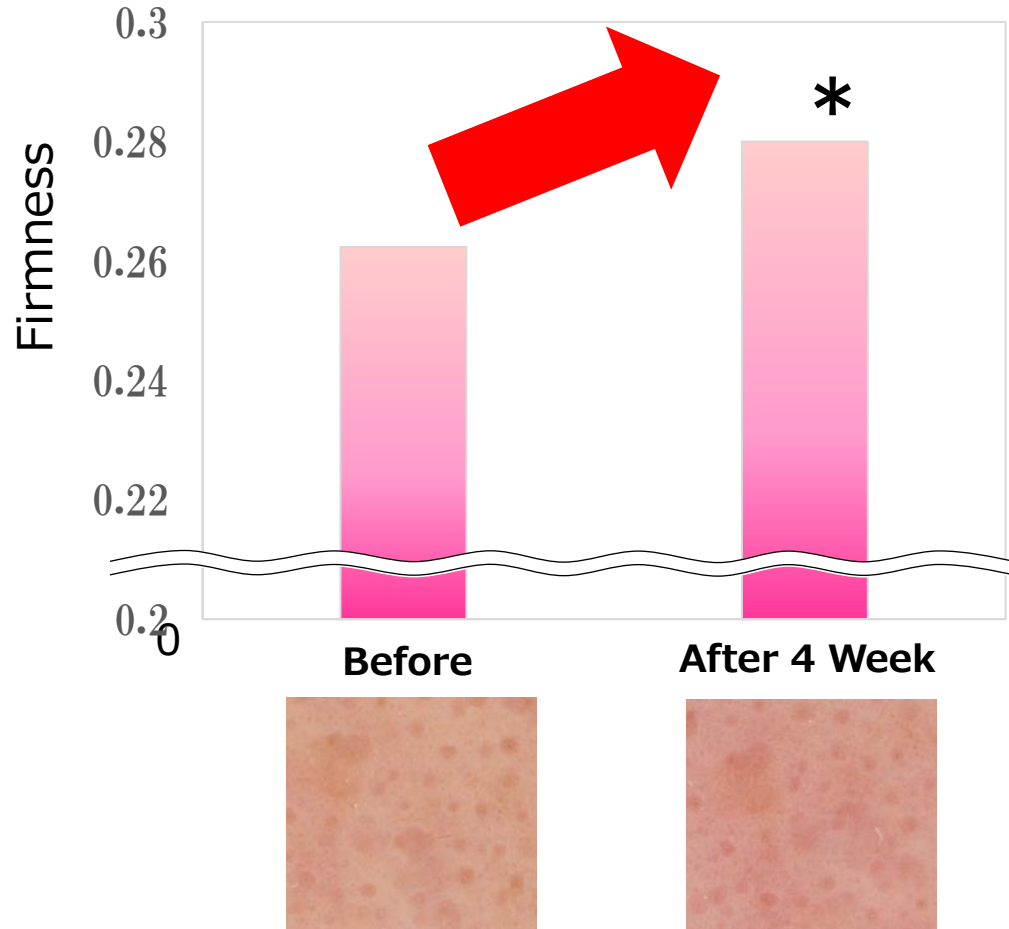
Efficacy Results

- 14-DHE intake was shown to **maintain and improve skin moisture levels**.
- **A reduction in melanin levels** was observed with 14-DHE intake.
- **An improvement in skin complexion** was confirmed.
- **Improved subjective perception of skin condition** was reported among women in their 40s.

Collaboration with FANCL

Improved Aging Signs: Firmness and Dullness

Women Aged 50 and Over:
4 Weeks of Continuous Use of a 14-DHE-Containing Cosmetic Serum (Model Formulation)



From the 39th Annual Meeting of the Japanese Society of Aesthetic Dermatology (2021).

【Crosstalk】

What Consumers Really Want in Aging Care



老化を改善できる成分“キンミズヒキ”をファンケルが発見





Today's Key Takeaways