

preB
Clinical Study Results

Takanawa Clinic

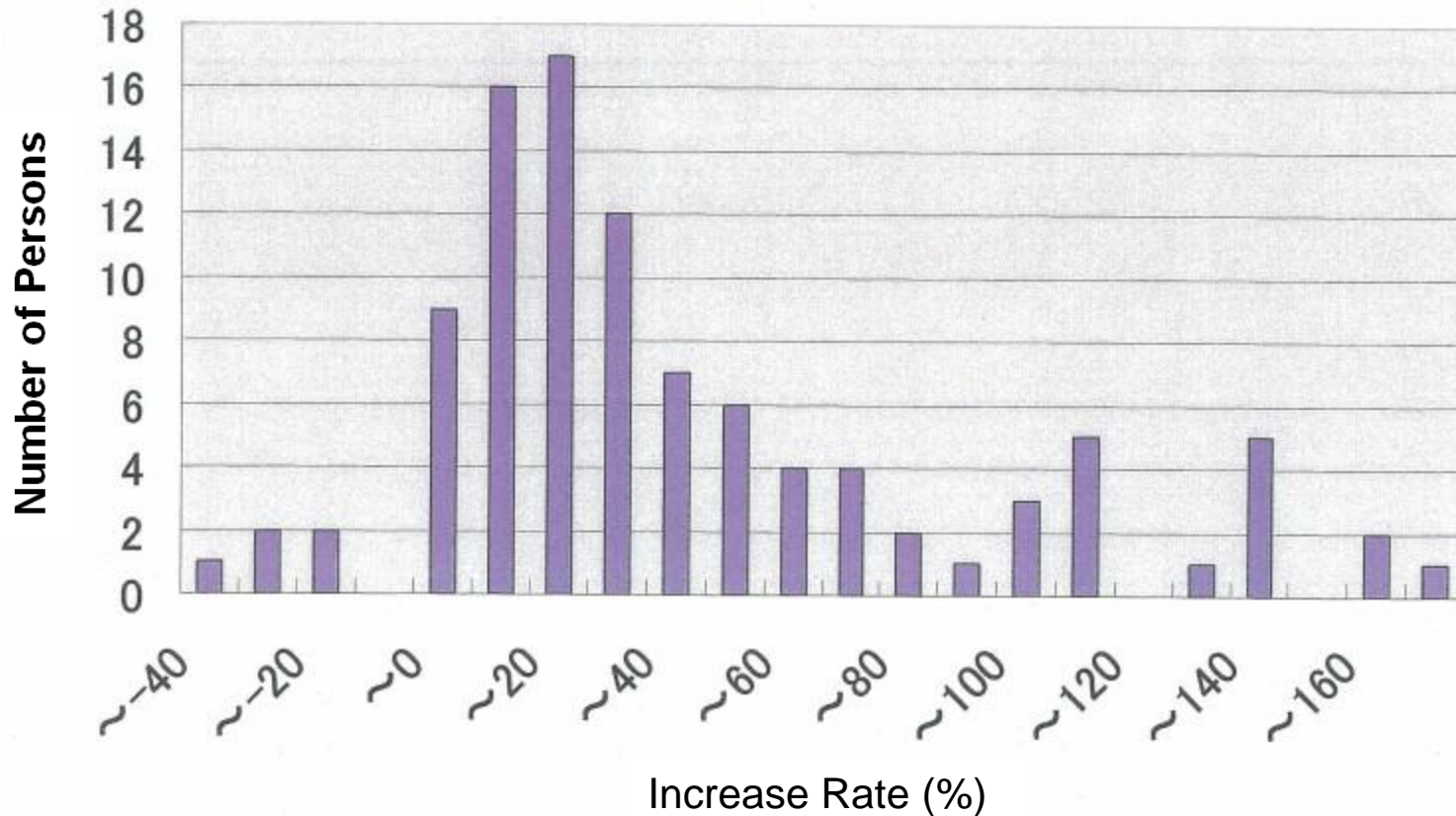
A group of Japanese doctors has conducted periodic blood tests in 100 individuals to investigate the **antioxidant activity** of preB on human bodies. Antioxidant activities are actions that remove active oxygen which is said to be a cause of life-style related diseases and aging. Scientific analysis have confirmed that it has a high level of antioxidant activity, and we have been investigating to what degree it exerts the antioxidant activity on human bodies.



Hospital Director
Dr.Kageyama

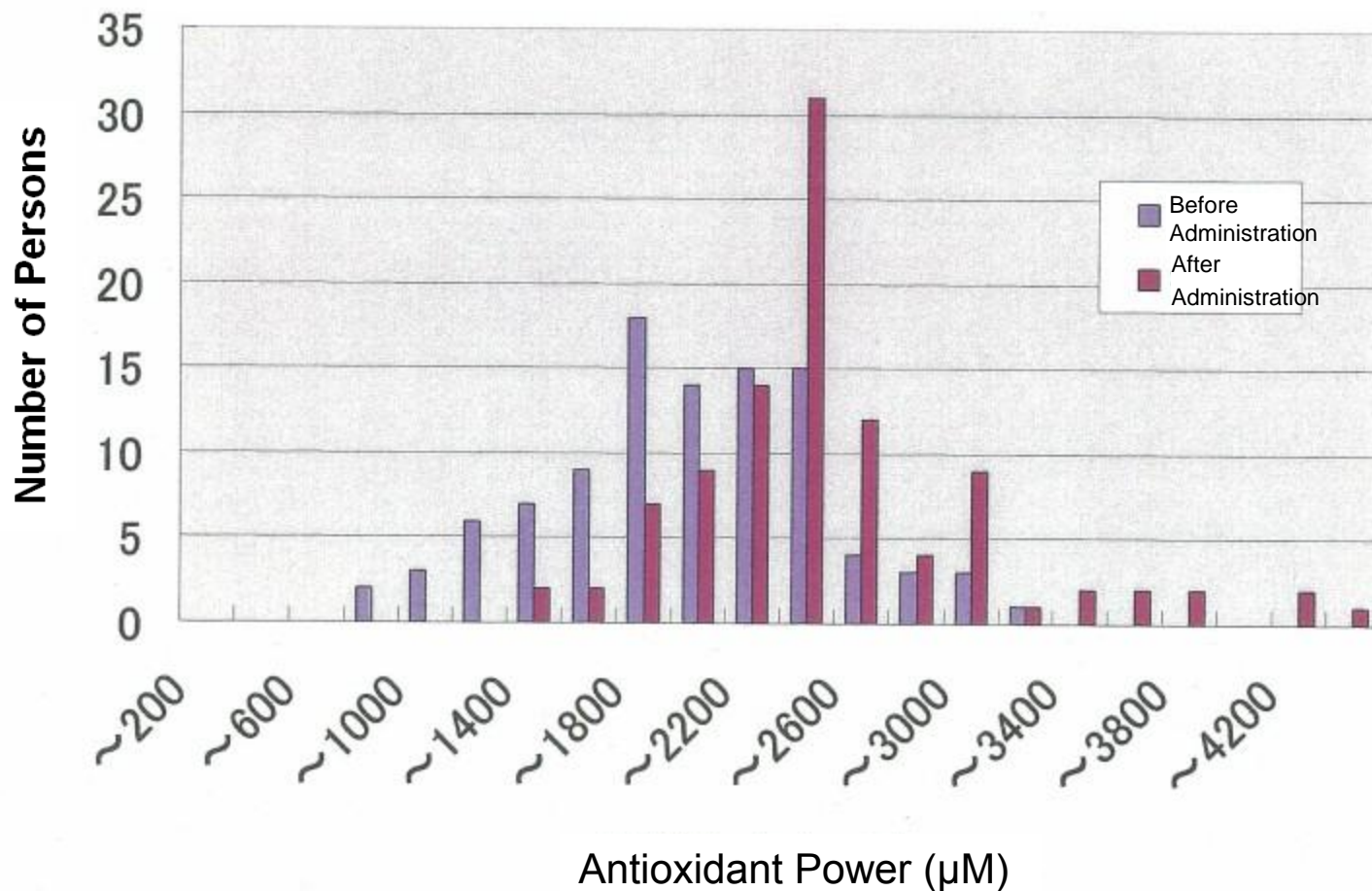
Dr. Kageyama is a doctor who does not rely on western medicine alone, but performs diagnoses and treatments while recognizing all kinds of factors including physical constitution, temperament, environment, life style, eating habit, etc.

About the Rate of Increase in Antioxidant Power Vol. 1



The graph of the rate of increase in antioxidant power shows that the largest number of persons belongs to the increase rate of 30%

About the Rate of Increase in Antioxidant Power Vol. 2



Antioxidant power shifted to the right, showing distinct increases in the value.

Clinical Trial Results for Antioxidant Activities

Discussion

The fluctuation in the antioxidant power reflects the increase and decrease in **the comprehensive immune power of living bodies**. In this clinical trial, the average increase rate for antioxidant power is as high as 38%, showing that this supplement **has an significant antioxidant effect**.

The results also showed that this supplement **comprehensively leads to immune activation**. It was suggested that particularly when there were disorder of life style and increase in oxidative stress during the clinical trial period, antioxidant power may have increased by secure exertion of the effect of this supplement.

Doctor responsible for clinical trial results:
Yasunari Kageyama



Clinical Observation of preB Study Report

Research Organization:

Long Hua Hospital, Shanghai University of Traditional Chinese Medicine

**Lecturer: Sun shu jian, M.D., Professor,
Shanghai University of Traditional Chinese
Medicine**

Methods of Clinical Examination

1) Subjects

Total number of subjects: 30 (10 males/20 females)

Age: 45 – 73 years (average: 50.8 years)

2) Study Sample

preB (tablets) 350mg/tablet

3) Method of Intake

Amount of intake: 10 tablets/time (3 times/day); 350mg/tablet

Period of intake: 90 days (3 months)

4) Examination Items

Blood sugar level (converted into the Japanese notation mg/dL)

Total cholesterol (")

Triglyceride (shown by the Chinese notation $\text{m} \cdot \text{mol/L}$)

Blood viscosity (whole-blood low shear viscosity, whole-blood high shear viscosity, plasma viscosity, coagulation index)

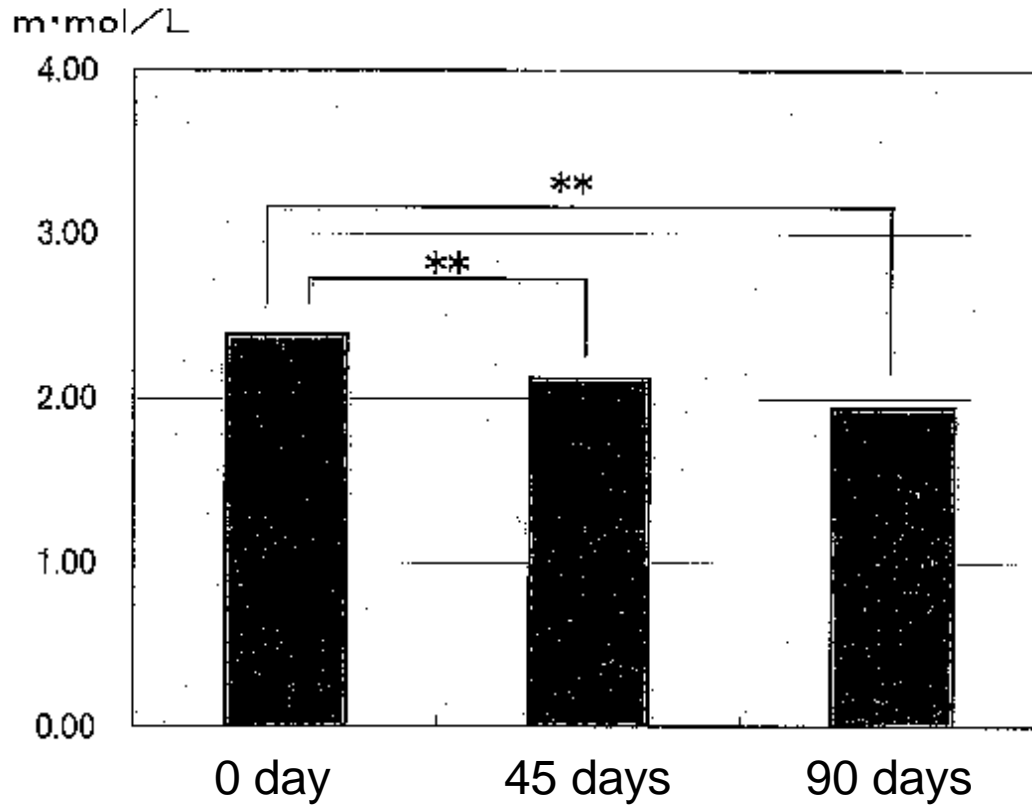
Immune system (CD3, CD4, CD8, CD56)

Results of Observation

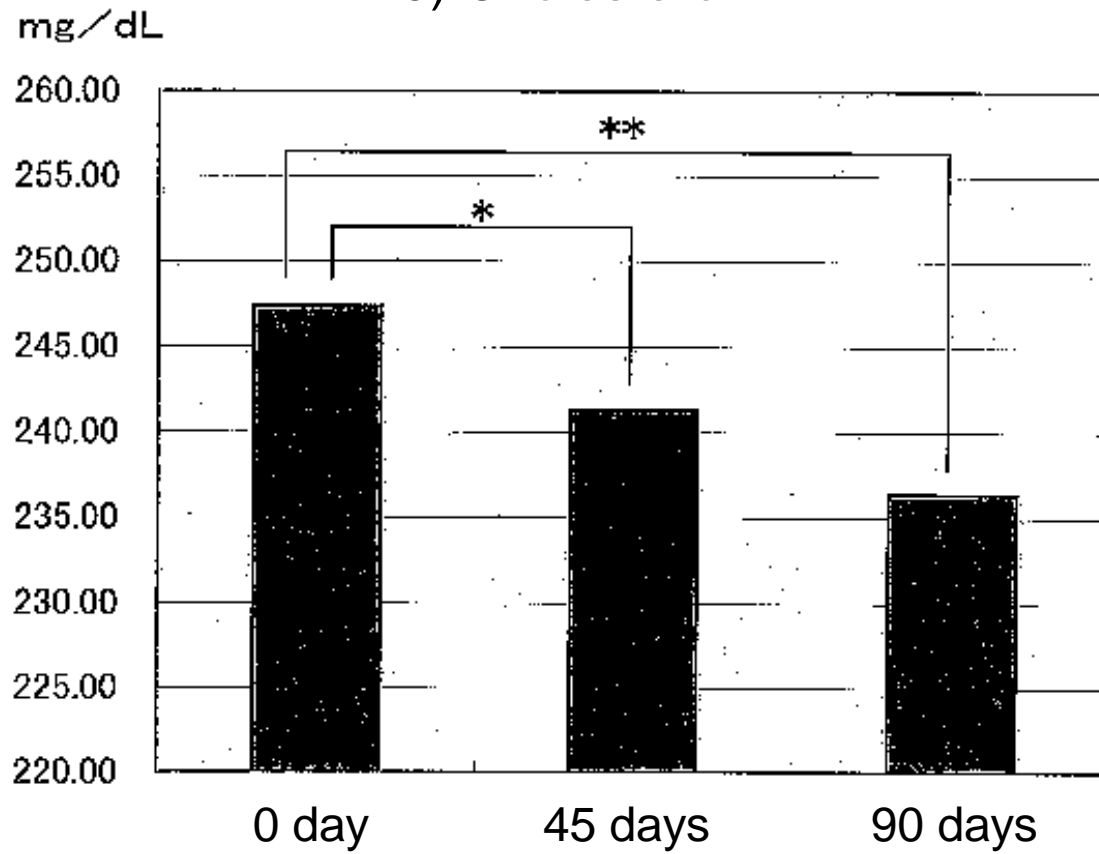
Subjective reactions of subjects were favorable.

1. For all of them, mental condition was favorable; Complexion became better
2. Recovered physical strength: 24 persons (80%)
3. Improved urination; transparent urine: 21 persons (70%)
4. Improved evacuation; good bowel movement: 25 persons (83%)
5. Improved sleep; decreased dreams: many persons (difficult to take the statistics)

2) Triglyceride

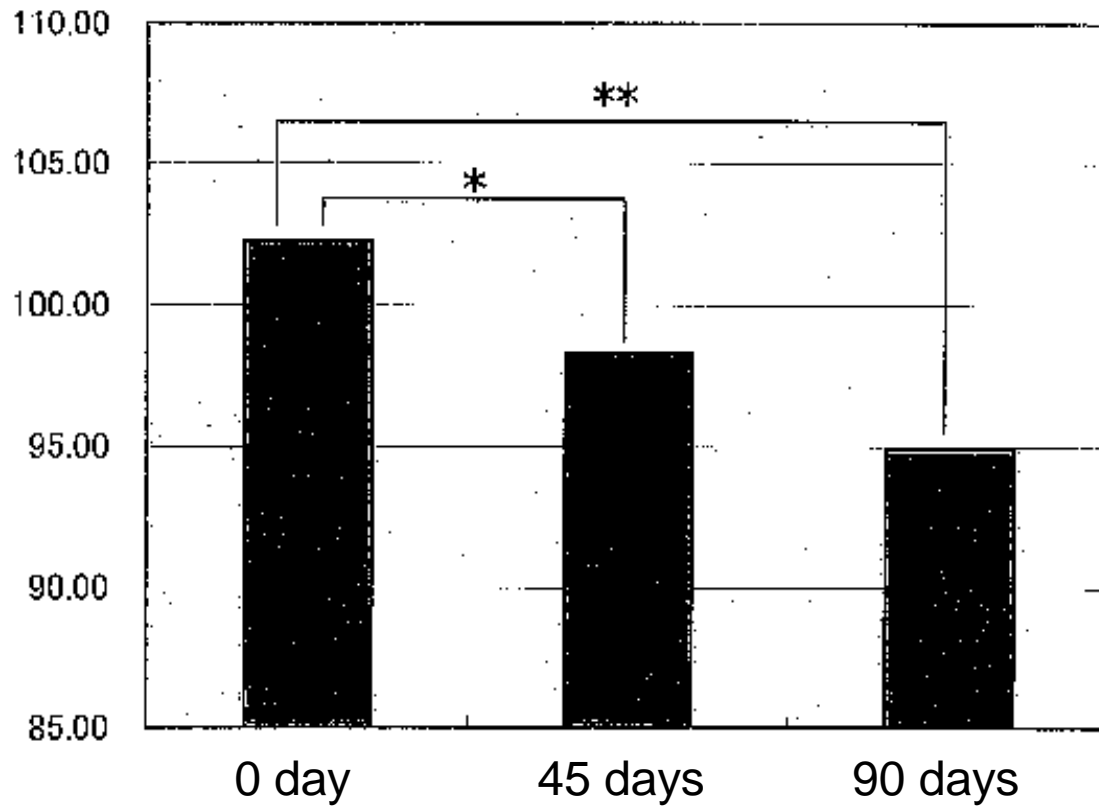


3) Cholesterol

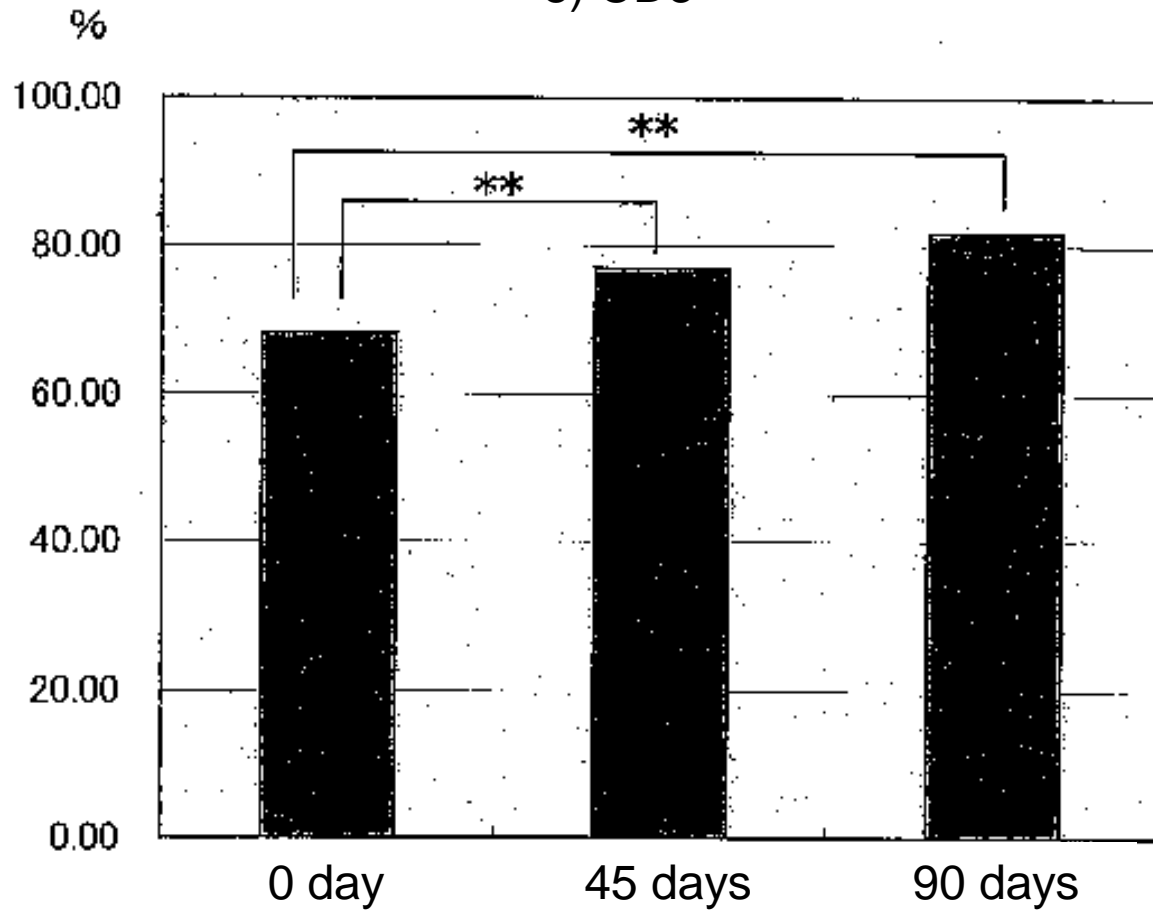


1) Blood Sugar

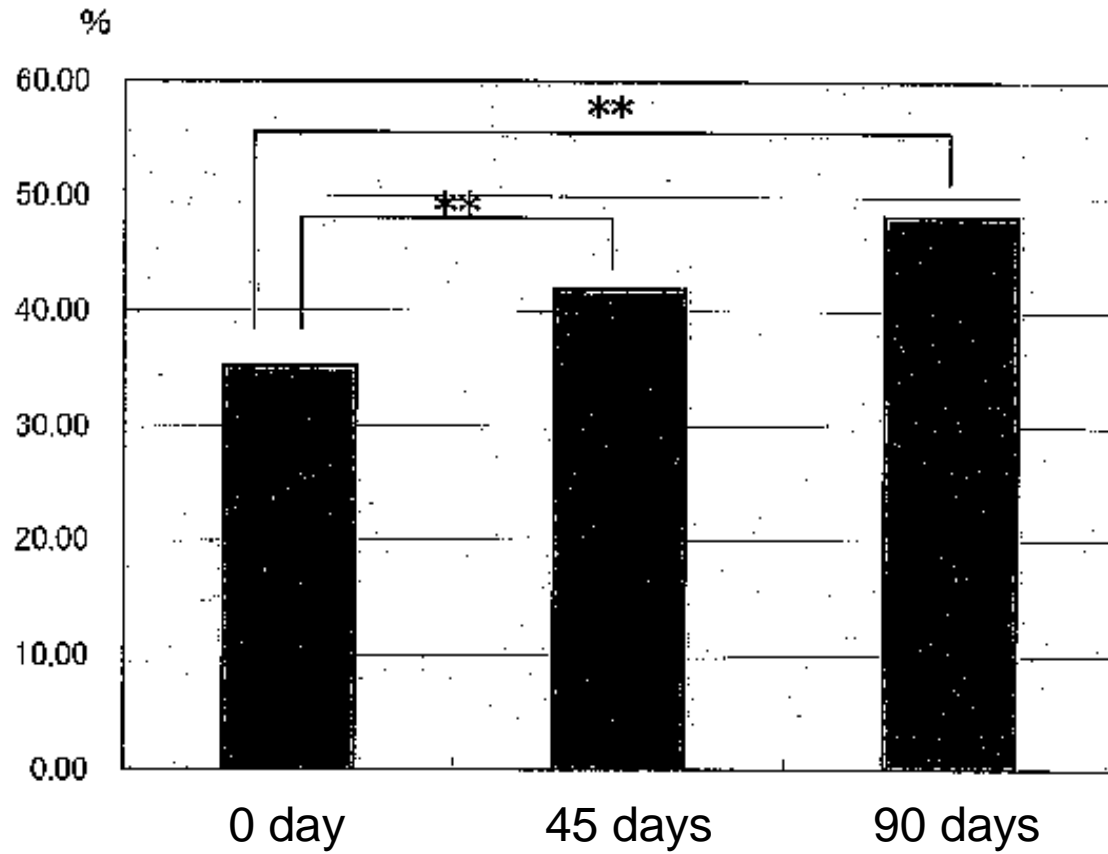
mg/dL



8) CD3



9) CD4



preB
Clinical Study Report II

Conducted by
Professor Sun shu jian
Long Hua Hospital, Shanghai
University of Traditional Chinese
Medicine

【Experiment No.1】

1. Subjects

Patients with moderate or severe acne who have received regular outpatient treatment at the department of dermatology of our hospital.

Total number of subjects: 30 (5 males; 25 females)

Age: 20 – 30 years

2. Study Sample

preB (tablets)

3. Method of Intake

Amount of intake: 10 tablets/time (twice/day, morning and evening; total: 20 tablets/day)

350mg/tablet (total: 7g/day)

Period of intake: 8 weeks

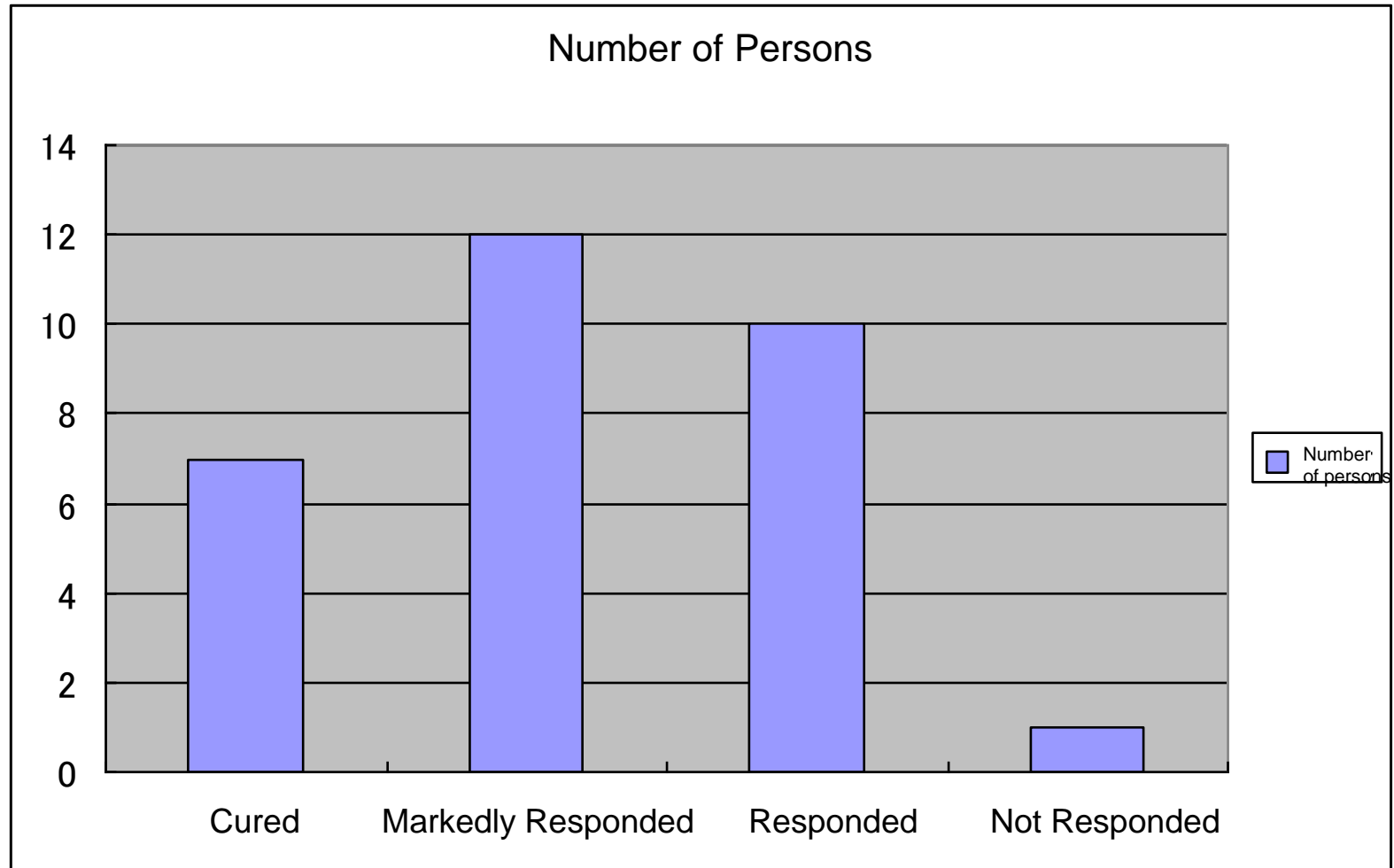
4. Examination Items

Observation was performed before the start of intake and 2 weeks, 4 weeks, 6 weeks, and 8 weeks after the start of intake. Items of the observation were divided into the primary symptom and secondary symptoms.

Primary symptom: Number of pimples

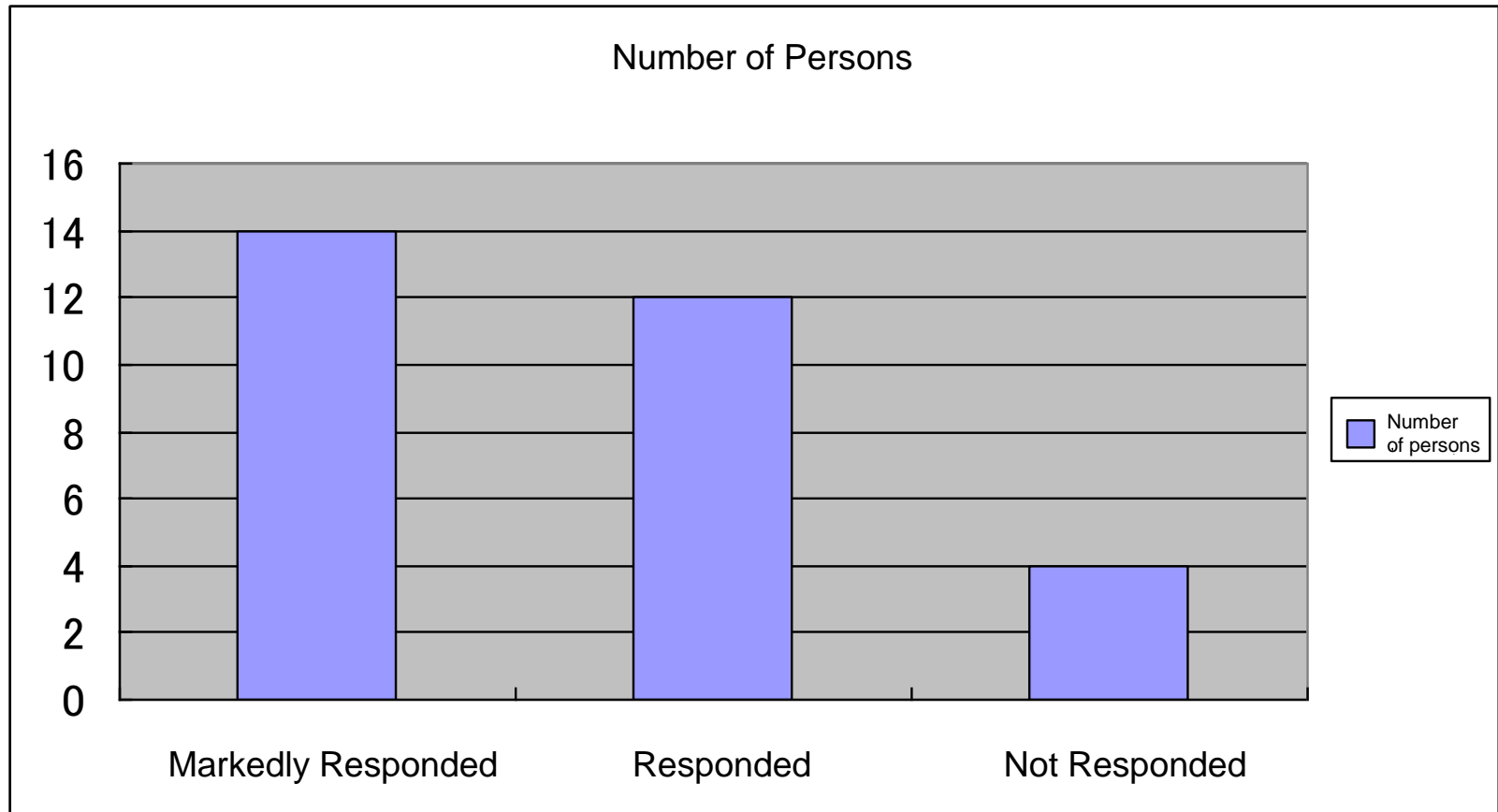
Secondary symptoms: Investigation was made regarding subjective symptoms closely related to skin diseases such as appetite, halitosis, and bowel movement.

Primary Symptom: Number of Pimples



Rate of responders to the intake: 96.7%

Secondary Symptoms: Appetite, Halitosis, and Bowel Movement



Rate of responders to the intake: 86.7%

【Experiment No.2】

1. Subjects

Patients who were diagnosed with dermatitis, eczema vulgare, pruritus cutaneus, or chronic urticaria at the department of dermatology of our hospital.

Total number of subjects: 30 (15 males; 15 females)

Age: 22 – 65 years

30 subjects were divided into two groups: the groups A and B, 15 persons each

2. Study Sample

Fu yang (anti-itching) granules (Chinese medicine)

preB (tablet type)

3. Method of Intake

Subjects of the group A took Fu yang granules alone

Subjects of the group B took Fu yang granules + preB (tablets)

- Fu yang granules (both the groups A and B)

Amount of intake: 6g/time (3 times/day; total: 18g/day)

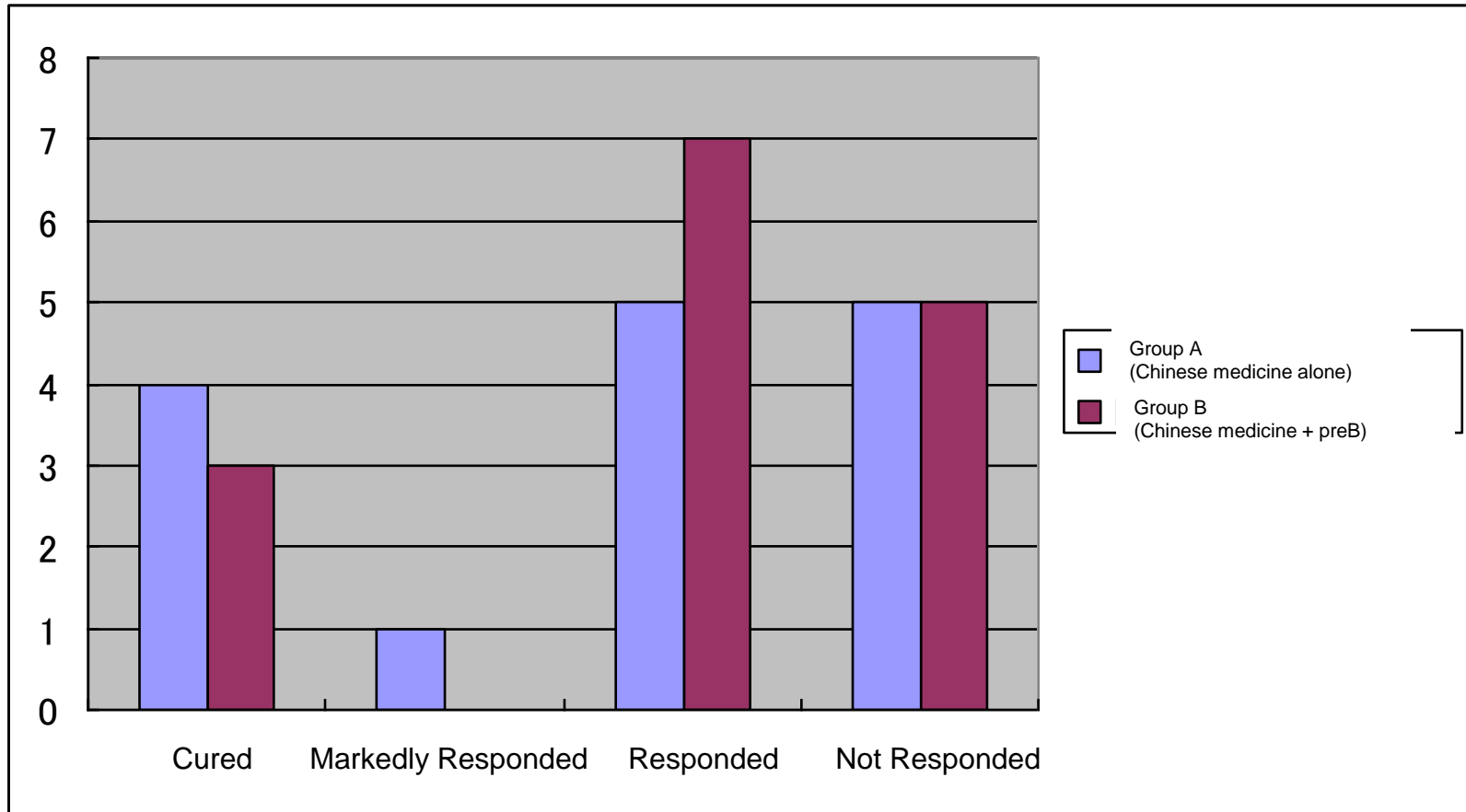
Period of intake: 8 weeks

- preB (only for the group B)

Amount of intake: 10 tablets/time (twice/day, morning & evening, total: 20 tablets/day), 350mg/tablet (total: 7g/day)

Period of intake: 8 weeks

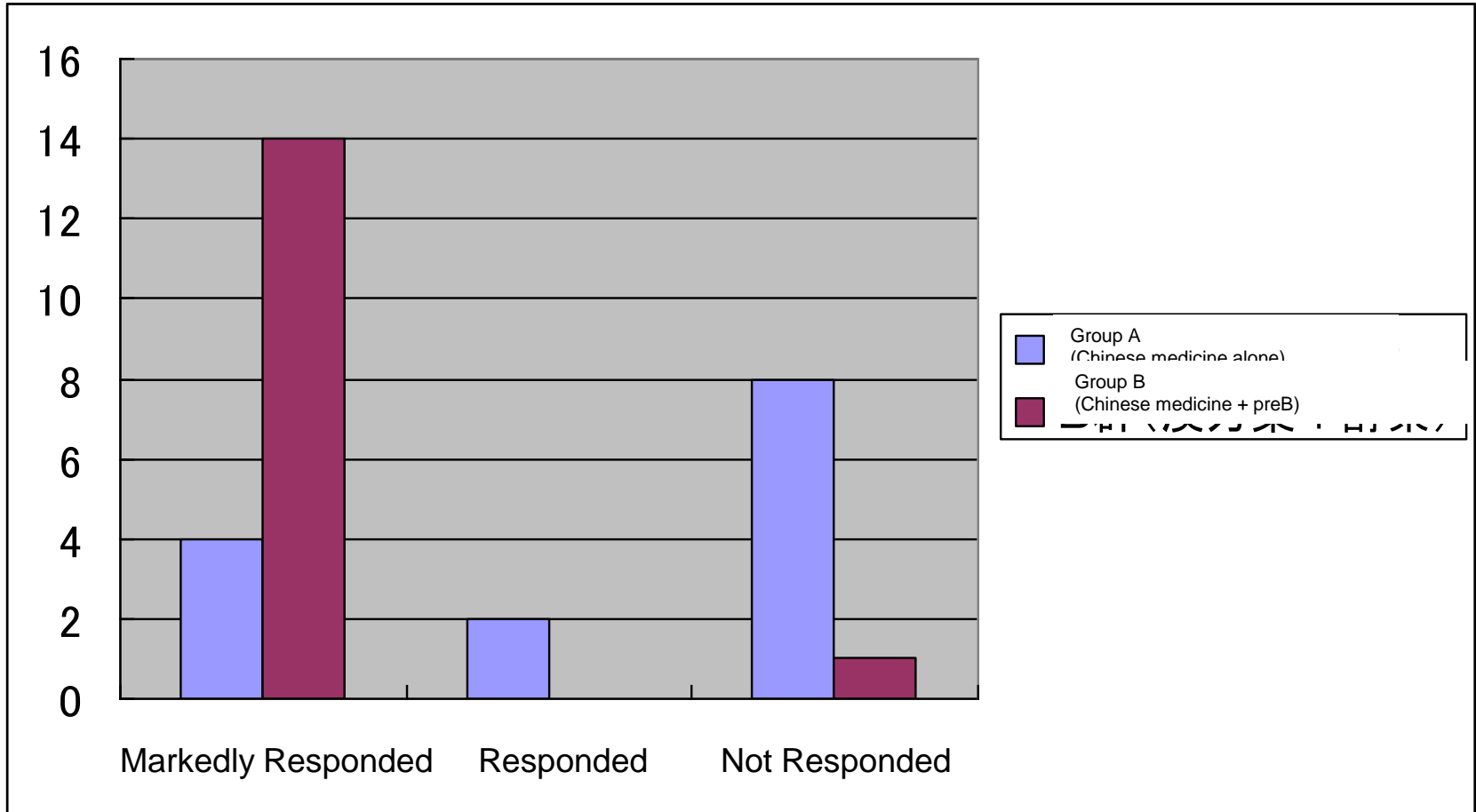
Primary Symptom: Number of Pimples



Rate of responders to the intake - Group A (Chinese medicine alone): 66.7%
- Group B (Chinese medicine + preB): 66.7%

The rates of response to the intake were the same, showing no significant difference, but a faster effect was observed in the group B.

Secondary Symptoms: Appetite, Halitosis, and Bowel Movement



Rate of responders to the intake - Group A (Chinese medicine alone): 42.9%
- Group B (Chinese medicine + preB): 96.7%

Summary

For acne treatment, preB was found to have a greater improvement effect, with a response rate of 96%.

On the other hand, with regard to inflammatory skin diseases, the investigation was conducted in the two groups: the group with Chinese medicine alone, and the group with Chinese medicine + preB; and a significant improvement ($p < 0.01$) was observed after 2 weeks of the intake in both groups as compared to the time prior to the intake.

In addition, with regard to bowel movement, an improvement effect was observed in both groups as compared to the time prior to the intake; and particularly the effect in the group with Chinese medicine + preB was shown to be a significantly greater improvement effect as compared to the group with Chinese medicine alone.

From these results, it can be inferred that preB purifies the blood via improvement of bowel movement and intestinal bacterial flora, and improves inflammatory skin diseases such as acne through improvement of immunity balance.

Discussion

In addition to the results of this study that showed improvement of bowel movement and improvement effects on inflammatory skin diseases such as acne, when taking into consideration the fact that this product has great effects for improvement of life style-related diseases in terms of blood sugar level, cholesterol, blood purification, etc. as shown in the previous report, the product **appears to comprehensively activate the metabolic system within the living body via improvement of intestinal bacterial flora.**

Particularly, the suppression of inflammatory (allergy) cytokines via Th1 activity (CD4) **is expected to act suppressively on allergies other than the skin diseases** that were investigated in this study.