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The effects of drinking refined-deep-seawater (RDSW) on the human body

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Nowadays, world trends related to healthy human life focus on a balanced intake of foods and beverages with safety. There are many foods and beverages in the market. We concern, product promoted without any support of verification may not only have no beneficial effect, but also sometimes be harmful to health. From a medical standpoint, we focus on good effect of deep-seawater (also raw materials obtained from specific region) collected in Muroto, Kochi-prefecture (Japan), and conducted credible effect demonstration and detailed research. Refined-deep-seawater (RDSW) produced from deep-seawater, a mineral-rich healthy drinking water for humans, is widely consumed. Beyond satisfying the general need for water to support life, RDSW has additional merits for the human body in the various fields such as hemorheology, allergy, immunology and microbiology (anti-*Helicobacter pylori*) as previously described based on clinical trials. Thus, drinking RDSW is beneficial for human consumption and the utilization of RDSW is expanding to cosmetic and public health. Furthermore, our clinical study is ongoing to investigate the effect of drinking RDSW on intestinal environment in two groups (Group 1: RDSW and Group 2: Controlled water (mineral water) generally taken by people in Japan). The stools obtained from the participants in this clinical study are subjected to research facilities and the data are comparative analyzed between two groups. So far, the production of short-chain fatty acids such as acetic acid, propionic acid, isobutyric acid, butyric acid, 3-methylbutanoic acid, valeric acid, etc., was significantly increased in Group 1 than Group 2. We assume that these beneficial effects are due to improvement of gut microbiota by drinking RDSW. We believe the potential that the RDSW is applied in not only health maintenance/promotion but also medical field as adjunctive therapy in the near future.

Biography

Hiroaki Takeuchi has done his education, research and practices at the Kochi Medical School (Department of Medical Laboratory Medicine). He is familiar with Microbiology as well as Infectious Diseases. Recently, he has started working on search, evaluation and application of functional foods and beverages including new ingredients for health maintenance/promotion and medical treatment.

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