

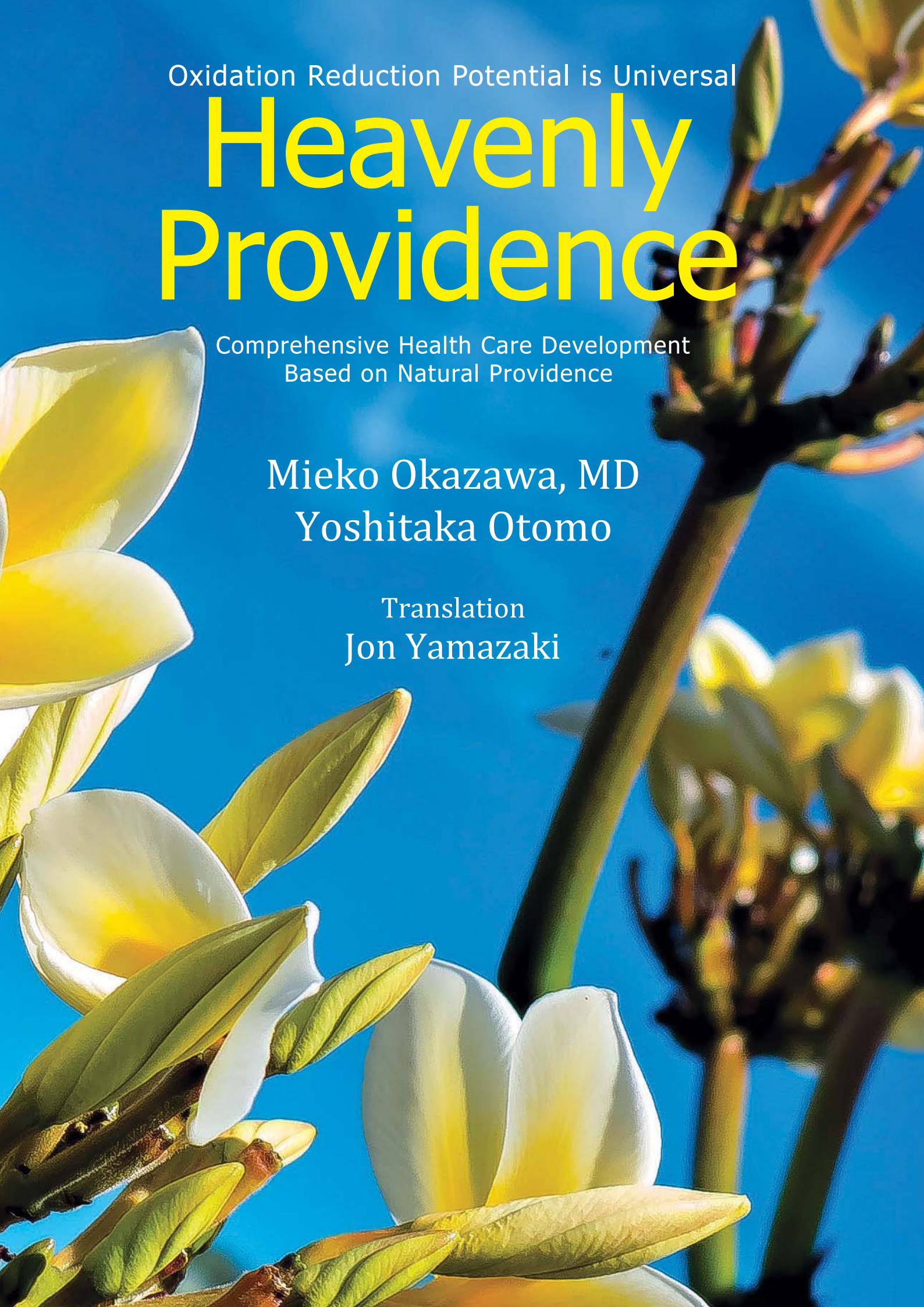
Oxidation Reduction Potential is Universal

Heavenly Providence

Comprehensive Health Care Development
Based on Natural Providence

Mieko Okazawa, MD
Yoshitaka Otomo

Translation
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First Edition of English Version, August 1, 2018

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Saliva Ion Reactions that Probe Into the Source of Life
The Natural Law is the Eternal Truth

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Co-Authors

Mieko Okazawa, MD
Yoshitaka Otomo

Translation

Jon Yamazaki

Book Design

Yoshitaka Otomo

Cover Photo

Setsuko Yamazaki

Illustrations

Jin Iwayama

Data Production

Green Leaf Corporation

Printing/Bookbinding

Print Pack Corporation

Planning/Production

Green Leaf Corporation

Publishing House

ORP Corporation

2-17-22-204 Shinmachi, Tsujido
Fujisawa-shi, Kanagawa-ken, Japan
<http://www.orp-corporation.com>
E-mail: info@orp-corporation.com

Ph: 0466-21-8933

Fax: 0466-54-8612

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Preface to the First Edition of English Version

In the Japanese version of this book, there were Chapters 1 to 7 but for the new Japanese revised version, we have added to our saliva clinical study, together with Dr. Hiroko Yazaki, the sister of Dr. Mieko Okazawa, another research theme, "Correlation of Saliva ORP and Blood Test", a medical clinical examination using quantitative index average assessment. Hence, for the revised edition of the Japanese version and for the first printing of the English version, we have added to our present saliva clinical study another chapter that includes the new research results of clinical data that can be linked to "the correlation between saliva ORP and blood test", and revised the book to be Chapters 1-8.

It has been 4 years since we have published the first edition of the Japanese version of this book. During those times, we have received many questions and opinions about oxidation and reduction potential ORP from many people. Among the inputs that we have received, one understanding that we think that is important is that the conventional industrial oxidation and reduction potential ORP measuring devices that are used for measuring water quality comparing it with oxidation and reduction potential ORP measuring devices for human saliva are different fundamentally. In other words, measuring the oxidation and reduction potential ORP for the things that we used in the areas of life: food, clothing and shelter, and measuring the ORP of the human saliva, which is the biological response after we have taken in those things into our body are fundamentally different. Therefore, we believe that we shouldn't be restlessly concerned about the ORP measurement of the drinking water or fruit juices itself but rather, the most important is to be able to visualize quantitatively whether the food and the drinks that we take in brings significantly oxidation response or significantly reduction response to our bodies.

In our present age, it is believed that the invisible psychological stress on the body that is recognized in the millimeter voltage level when we are influenced by the clothing that we wrap our body around, the dwelling that the family gather around, human relationships and environmental changes, are in the unstable region and therefore, it is not measurable. That is why we have striven to complete the saliva ORP measuring device that has the repeatable accuracy of thousandth of a millivolt in order to clear this difficult problem.

In order to make the stress level recognized visually, we have developed a new medical device called, ORPreader. With this device, we are able to comparatively verify the characteristics of the saliva components that are secreted from the local salivary glands: parotid glands, submandibular glands and sublingual glands and the biological response of the saliva ORP, and made it possible to grasp the invisible psychological stress. We have presented our research results in Chapter 7, Quantification of Stress Levels Using Saliva ORP.

Until now, the method to confirm the body oxidation condition (physical deconditioning) has been entrusted to the bodily sensations or subjective speculations but we are now able to visualize the oxidation and reduction condition of the body scientifically by using objective quantitative data by focusing on the specimen liquid, saliva, which does not involve invasive procedure.

Mieko Okazawa/Yoshitaka Otomo

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Saliva Ion Reactions that Probe into the Source of Life -
The Natural Law is the Eternal Truth

Introduction

It is said that it's been 4.6 billion years since the birth of the earth and couple of million years since the humans were created on the earth.

The livelihood of humans starts inside the mouth and ends at excretion.

Each human being has a distinctive DNA that none else have. That is like a reappearance of microcosm that is rich with individuality. I have been realizing that the human bodies are the masterpieces of the nature.

We all need to eat to retain our life. And in order for us to eat, without fail the saliva will start welling up in our mouth.

Saliva is a medical word, and although spit and spittle are not medical words in English, they are medical words in Japanese language.

Saliva is colorless and transparent mucus that is secreted from salivary gland into the mouth to help digestion. Many expressions of different cultures use the word, saliva: To put a spit on one's hand means that someone is eager to start the job in hand. Some expressions like, "Spit to heaven and you'll get it back in your face" has spiritual meaning. Saliva is also called slobber or drool and to drool over something means that someone wants to have something so much. As you can see, saliva is used to describe many human actions.

The presence of saliva is so common that nobody would pay any attention to it. You might think that there isn't any significant thing about saliva, but actually, the information that is in the saliva is the easiest source to provide a real time body's internal information for the medical professionals and even to the general public, but it hasn't been used until today.

What happens if saliva doesn't get secreted inside the mouth? You might say, "What are you talking about?" but let's dwell on this subject of saliva for a while because it is not severable. If we don't have saliva we won't be able to eat, speak or sing! We can't even turn the things that we eat into blood and flesh.

The dentists, who say that there isn't anything more in the way than saliva when treating the patients, ponder over that if saliva weren't there, it would be quite a problem. Dentists say that during dental procedures, the saliva squirts out like fountains.

In 1994, I joined the biochemistry laboratory of the present School of Medicine at Toho University and was undertaking clinical research/experiment of pharmacologic action.

We were collecting samples for the biochemistry class and the Second World War started between Japan and Britain/America (1941-1945), and during the war, I continued with the experiments by using precious experimental drugs to study the changes over time and the efficacy of the drug in the body.

By this biochemical experiment, I was able to acquire a clue to know that saliva measurements can become a valid procedure that informs us of our body's condition. Even after I graduated and became a clinician and was engaging in daily medical examinations, my interest in saliva measurement never left my mind.

In the actual clinical fields where examinations have priorities, we didn't have a definite solution to know what is the best procedure we should employ.

Because saliva is formed through the blood when the food is absorbed in the intestine and the composition of the blood becomes the composition of the saliva, it is known in various medical fields that saliva has abundance of information similar to the blood that is circulating in the body.

About 23 years ago, I was connected to the theme of oxidation-reduction potential of saliva measurement that I have been desiring for a long time; and what shocked me was a research report that claimed that the 21st century will be the age of oxidation and reduction.

This was a new theory that was published by a painter who claimed that the earth's environmental cleansing derives from "lightning"; he had a strong interest in the relation between oxidation of our body and health.

He said that he came to that realization when he went to the Easter Island to collect painting materials, where 1,000 bodies of gigantic sculptures called, Moai are lined up, and standing tall on an isolated island in the distant sea of South Pacific.

It was the encounter with Mr. Yoshitaka Otomo who was fascinated with the lightning phenomenon¹ in the context of natural law and who had engaged himself later in the research and experiments to develop a human saliva oxidation and reduction verification device (ORP).

I am presently 97 years old, and for more than 60 years, I have worked as an internist and a pediatrician, and by a total of 8,000 medical cases of saliva clinical investigation and research of numerous patients, families and medical personnel for the period of 23 years, I have realized that the correct knowledge of saliva and raising the quality of saliva are the keys to our health. We humans exchange words to confirm our will and deepen our trust to one another. And the existence of saliva that lubricates our words has finally come to be recognized.

As we observe the various issues that pertain to saliva from multiple of angles in the multifaceted investigations, we will present in sequence from medical,² hygiene/sanitary, nutritional (health science), mental health and behavioral science, in hopes of providing information for those who desire to lead a healthy life.

* 1—It has been said that, in the lightning phenomena that occur in the summer, the electrons flow from the clouds (upper air) to the earth's surface and the electric current flows from the earth's surface to the clouds (upper air). The lightning in the winter is the opposite and the electrons flow from earth's surface to the clouds (upper air) and the electric current flows from the clouds (upper air) to the earth's surface. Mr. Yoshitaka Otomo has noticed that the lightning phenomena, which is in the context of natural law, is different from the flow of electrons and the electric current: the electrons in organism flow from negative pole to the positive pole, and this natural law cannot be changed. That is to say, that in the flow of the electrons in the organism, the oxidative reaction occurs when the negative electrons are taken away - everything is kept alive in the oxidation system. On the contrary, when the positive pole receives the negative electrons, the reduction reaction occurs and these things inspired Mr. Otomo to start developing the human saliva ORP measuring device.

* 2— CT=Computed Tomography, computer image diagnostic device, (CT involves 10 times more radiation exposure than the common X-ray photographing.) MRI=Magnetic Resonance Imaging, (X-ray of roentgenograph wasn't used.)