Osato Research Institute

ori report
大里研究所レポート

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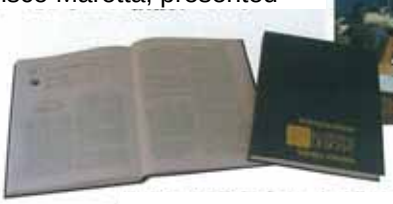
SPECIAL REPORT

SPECIAL REPORT ～From BICHAT～

At a French leading hospital, the "BICHAT" Hospital in Paris, Annual Meeting for Announcing New Medicines and New Treatments 2004 was held, and FPP was invited for a presentation for the first time in the food industry.

In the meeting, the three professors from the Osato Research Institute Scientific Board, Prof. Luc Montagnier, Prof. Lester Packer and Dr. Francisco Marotta, presented the result of their studies. (The moderator was Dr. Pierre Mantello.). Their presentations on FPP are to be published and given to 15,000 doctors all over in France for their references.



FPP advantage on health : benefit on Oxidative Stress and Immunity

◆Prof. Luc Montagnier
Professor of Pasteur Institute
Director of World Foundation Aids Research and Prevention
HIV discoverer

We are chronically infected by germs, virus, bacteria, yeasts which are perfectly fixed but stay in a latent status thanks to our immune defenses. When these ones begin to be weak, in the second quarter of our spiral (20-25 years), these germs begin to spread and lead to diseases. They especially produce, produce, during their intracellular phase, free radicals by host defense reaction of our white cells. Adding to the external environmental factors, begins an oxidative stress, in other words, unbalance between free radical excess and a low production of our antioxidants (glutathione, enzymes) or a low intake of essential nutrients (vitamins, micro-elements). Oxidative stress is a common factor in all diseases which appears in the last quarters of our life. A balanced nutrition, an appropriate lifestyle and a managed antioxidants intake are necessary. Cancellation of these senescence diseases will allow us to enjoy twenty more years of an active life, a revolution!!
He presented his clinical studies about PD and HIV patients. Intake of FPP increased amount of glutathione which is a marker of immune defense, so FPP is expected to play a good role as a new alternative therapy to complement medicines.

Action in Intracellular Immune System of FPP a Fermented Papaya preparation

◆Professor Lester Packer
A professor of University of Southern California, Los Angeles, USA.

In the human cells, we have complex systems to manage oxidative stress, where free radicals are formed. Although we need these systems to survive, once the free radicals become excessive, they start to attack our cells. Our study on FPP effects on NO synthesis and TNF α secretion in macrophages indicates that FPP processes the ability to modulate immune effecter cells.

FPP & GASTROENTEROLOGY BENEFITS OF FERMENTED PAPAYA

◆Professor Francesco Marotta
A professor of Milan university, Italy
A clinician at the Medical Science Dept. of S.Guiseppe Hospital, Milan, Italy.

Our clinical studies on the average drinkers and for the alcoholics with problems of gastric mucosa have shown that FPP has enhanced their resistance against oxidative stress to the level of healthy individuals and normalize nutritional absorption. Our studies using a biomarker to measure oxidative DNA damage have shown that FPP has a significant function to improve oxidative DNA damage as well as a protection function against it.
Moreover, this function of FPP has better quicker results than those of Vitamin C, E or multivitamin, which have been already known as effective anti-oxidants.

CLOSE UP TOPICS

Topic 1 ORI helped with DVD reservation of the historical documents of Mrs. Marie Curie

Do you know the Marie Curie Museum in Paris? Mrs. Marie Curie is famous for her great discovery of radium. She worked very hard without fearing her own exposure of radioactivity in order to develop the radiotherapy for cancer patients and won two Nobel Prizes. She was invited to many universities in U.S. including Yale University and gave lectures there. In this museum, they keep approx. 12000 pages of newspaper articles about her work, however, these historically precious documents have been deteriorated with 50 years of time, and they have been discussing method of preservation. In the spring of year 2004, Prof. Lester Packer read the article about this problem they have, and called for cooperation to ORI. In August of the same year, Mr. Hayashi, the president of the Osato Research Institute, signed the contract of financial cooperation with Prof. Claud Huriet, the director of the Marie Museum and they started the project of preservation of all the documents in DVD to make them available to anyone who visit the museum. For your information, the letter written by Ms. Marie Curie still shows radiation response, which gives us inspiration for passion and strong will for scientific researches.

スクラップされた1200ページにのぼる新聞記事

資料の説明を聞く代表（写真左）

キュリー博物館のパンフレット

リュック・モンタニエ教授による講演風景

Topic 2 The 46th Nobel Meeting in Karolinska

From 6th to 9th of June, 2004, the 46th Nobel Prize Meeting was held at the Karolinska Institute, Sweden which is a mecca for scientists and doctors. The Nobel Meeting is held by the Nobel committee and they choose a particular topic of the time every time. ORI co-sponsored this meeting with Stockholm city government and collaborated to make a keynote speech of Prof. Luc Montagnier. This time the topic for the meeting was “Redox reaction and cell function” and they discussed oxidative stress and redox balance in the body. Nowadays this topic receives widespread attention all over the world as well as in Japan, and Research of FPP is also involved with it.

Topic 3 The Scientific Symposium “Oxidative Stress and Preventive Medicine” in Milan, Italy

On 2nd of October 2004, the scientific symposium “Free Radical and Immune System” was held under auspices of UNESCO and Milan Medical Association. Although 600 was the seating capacity for the symposium, more than 1000 doctors applied for it. This new area of research certainly seems to have attracted a lot of attention of doctors.
ORI presented the result of the basic researches and clinical studies of FPP by the professors of ORI scientific board, which are Prof. Luc Montagnier (President of World Foundation Aids Research and Prevention), Prof. Lester Packer (University of Southern California, U.S.A.), Prof. Elizer Rachmilewitz (Hadash University, Israel), Prof. Mark Weksler (Cornell University, U.S.A.), Prof. Francisco Marotta (Milan University, Italy), and Dr. Pierre Mantello (director of Osato Research Institute). This was a good start to introduce FPP to Italian Medical World. There are many offer for collaborative researches after the symposium.

A famous French journalist, Mr. Jean Claude Bourret, came to ORI with his TV crew.

From 24th to 30th of October 2003, a well-known French journalist Mr. Jean Claude Bourret, who is a director and a caster of a news show, stayed at ORI to make a documentary program on FPP. He got interested in FPP, which had been very popular in France, and its country of origin, Japan. His TV crew made films of ORI office and its laboratory and the FPP factory "NEO River" and also visited some historical places, such as the Imperial Palace, some shrines and temples to focus on the background of FPP production. At ORI, he interviewed Dr. Pierre Mantello, a director of ORI, Prof. Lester Packer about a potential of FPP and the method of analysis. His documentary program on "Immun'Age" was broadcasted all over Europe in March, 2004.

代表をインタビュー取材中のブレ氏

A Public Symposium hosted by World Foundation Aids Research and Prevention, Japan Office

The 18th Annual Meeting of the Japanese Society for AIDS Research was held at Shizuoka Convention Arts Center from 9th till 11th of December, 2004. On the second day, 10th of December, a Public symposium was held hosted by World Foundation Aids Research and Prevention, Japan Office, whose office is in ORI, hosted and sponsored by ORI. In the symposium, we had a piano concert by Ms. Yoko Tokue who had done many concerts for AIDS charity, and a conference by Prof. Luc Montagnier, who is a president of World Foundation Aids Research and Prevention and a member of ORI scientific board. After the conference, Prof. Montagnier answered some questions made by the audience, university students and citizens in Shizuoka, and it was a good opportunity to deepen understanding about AIDS and its prevention.

Special Conference by Prof. Montagnier "AIDS Research : "Its history and future prospects"

In the beginning, Prof. Montagnier, saying that he would like to focus more on the future prospect this time, just briefly explained the background of his discovery of HIV and mentioned an unfortunate period when 60 % of children who suffered from hemophilia were infected with HIV due to the unheated blood products. As to the current situation of AIDS/HIV, he said "The medication for HIV/AIDS has been improved a lot, but HIV virus is still spreading all over the world and we can't cure this disease yet. However, we have found that the process of HIV causing Immune deficiency has something to do with oxidative stress." And he presented the clinical study on complementary treatment of HIV/AIDS using triple-therapy and antioxidants (FPP). It proved that FPP could improve CD4 level and contribute to the increase of the body weights and hemoglobin and the decrease of apotosis.

財団の理事長でもあるモンタニエ博士の特別講演

He also announced that he is planning a bigger scale of clinical studies on this.
He introduced activities of AIDS research Centre of the foundation in Cote D'Ivoire.
"The treatments of HIV/AIDS are being developed, but not many people can receive these treatments in the world. To make the situation better, we first have to start with education of young people, and also preventive medicine is important. We are now, as a foundation, focusing on developing HIV vaccines. At the same time, we are studying on complementary treatments using antioxidants." said Prof. Montagnier.

ACTIVITY REPORT OF RESEARCHERS IN ORI 2004

January	The Laboratory of ORI appeared in the article of the Journal of Applied Glycoscience
February	Lecture at the factory "NEO river" on food hygiene Ms. Yoshida got certified as a Food Quality Adviser.
April	Prof. Rachmilewitze visited ORI
May	Attended the 7th Applied GlycoscienceWorkshop
June	Ms. Koike took a Food Quality Adviser Training Program.
August	New researcher, Mr. Shimizu joined ORI laboratory. Introduced a new microscope with digital camera
September	Poster presentation of ORI at Niigata Congress on Functional Foods for Prevention & Treatment of Life Style- & Age- related Diseases
October	Attendance to the seminar on HPLC, GC

What is the Food Quality Adviser for?

It is a qualification which is trained and certified by Japan Health Food & Nutrition Food Association. A Food Quality Adviser is a specialist who can give customers consultation about Health Food and Nutrition Food for their better understandings.
At ORI, Ms. Yoshida answers to your questions as to how to take FPP from a nutritional standpoint. Your inquiry is always welcome. (This qualification doesn't serve to answer medical questions nor diagnosis about particular disease.)

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Relation between FPP and Redox Control

Have you ever heard of a term “Redox”? The term *redox* comes from the two concepts of **red**uction and **ox**idation. The redox process is the most fundamental reaction in chemistry with which all living creatures including animals and plants live. It is important to have a good understanding about this reaction to advance our research since mechanism of FPP’ function seems to have a lot to do with it.

Dr.Pierre MANTELLO
O.R.I. Director
CES Bacteriology, Virology, Parasitology, Immunology, Hematology,Biochemistry

Don’t you hear the word “Oxidative Stress” a lot recently? They say that the possible causes of oxidative stress are UVA, UVB, radiation, heavy metal, etc. “Oxidative Stress” is now demonized that it could cause cancer, aging, and arteriosclerosis, etc. However, minor oxidative stress is necessary for our body because it leads to activate our immune function. In other words, anti-oxidant in our body starts functioning when we perceive oxidative stress. Redox control means this system and also anti-oxidant function to adjust substances which relate to oxidative stress. Human beings grow and get old (degenerate) by functioning these dynamic redox control system in our body.

To scientifically clarify the mechanism of FPP, we can not ignore this Redox Control. Numerous basic researches and clinical data on FPP have proved the fact that FPP has an anti-oxidant function and helps recovery of oxidative damages (enhancement of immune function). These are the very Redox Control. Yet we don’t know how and when (in which process) FPP works in the redox control system, which is very complex and hasn’t been clarified itself yet in many points.

If the Redox control system of our body is functioning properly , it can decrease oxidative stress in our cell, which means that we have a body which can absorb necessary nutrition from our daily diet. FPP doesn’t contain vitamins nor minerals in it. However it functions like them. It must be because FPP affects to some stage of the process of Redox control system. I believe that future researches on FPP bring us more interesting reports about it.

Osato Research Institute
▶発行：大里研究所　▶発行責任者：Dr. PIERRE MANTELLO
〒501-0501岐阜県揖斐郡大野町稲富 1956
Phone:0585-34-3830　Fax:0585-34-3833　E-mail : osato@ori-japan.com
http://www.ori-japan.com