English Abstracts of 11th Annual Meeting of Japan Bi-Digital O-Ring Test Medical Society

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Abnormal Deposits of Metals, Decreased Acetylcholine and Infections in the Brain as Major Causes of Electromagnetic Field Hypersensitivity, Strong Negative (-) Qi, Pre-Alzheimer's Disease, Autism & Abnormal Mental or Motor Function in Children, and Their New Effective Treatment Using “Selective Drug Uptake Enhancement Method”

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ABSTRACT

While studying patients with Electromagnetic Field Hypersensitivity, Pre-Alzheimer’s Disease as well as Autism and abnormal mental & motor function in children, the author found that the following findings are common among these patients:

1. A marked increase in metal deposits such as Al, Pb and Hg in the brain, particularly, the Hippocampus area or motor cortex (where abnormal motor function exists).
2. A marked decrease in Acetylcholine often reduced less than one fifth of normal concentration (the amount of Acetylcholine required to produce maximum Bi-Digital O-Ring Test Resonance was less than 500 µg and often reduced to less than 350 µg compared with the normal range of 1500 µg - 5000 µg).
3. Viral infection with or without bacterial infection.
4. A strong negative (-) Qi.

When excessive metal deposit of Al, Pb, & Hg exist in brain, they function as multiple micro-antenna and absorb environmental Electro-Magnetic Field and creates a micro-inflammation and reduce Acetylcholine in the surrounding nervous system. In the presence of infection, Acetylcholine further diminishes with localized circulatory disturbances with increased Thromboxane B2.

The most common infections found in these patients were Cytomegalovirus, Human Herpes Virus Type 6, Chlamydia Trachomatis and Mycobacterium Tuberculosis. In addition, if the patient also has a headache in one side of the head, then the most common cause is Herpes Simplex Virus Type I, and occasionally Mycobacterium Tuberculosis can also create a headache in one side of the head. If a headache exists in both sides of the head, then usually one side of the head has a Herpes Simplex Virus Type I infection and the other side of the head has a Herpes Simplex Virus Type 2 infection. Less frequently, both sides of the head will have a Mycobacterium Tuberculosis infection which causes a headache in both sides of the head.

For all of these viruses, mixture of EPA and DHA in a gelatin capsule is very effective. For Chlamydia Trachomatis, both Azithromycin and Doxycycline are very effective, but only Doxycycline is compatible with mixture of EPA & DHA.
When these viral infections are inhibited by the use of a mixture of EPA & DHA as effective, safe, anti-viral agent, and excessively deposited metals were removed from the brain by giving Cilantro to remove metals using “Selective Drug Uptake Enhancement Method” (developed by Omura, in early 1990s to selectively deliver the effective medication to the pathological area, by stimulating accurate brain organ representation area with acupuncture or other means at the 1st distal segment of the middle fingers, corresponding to the pathologic area of the brain), Acetylcholine often markedly increased with decreased (-) Qi and significant improvement of memory and other brain functions and behavior within 1-2 days. If additional bacterial infection such as Chlamydia Trachomatis co-exist, to get further improvement, Doxycycline was given together with mixture of EPA & DHA using “Selective Drug Uptake Enhancement Method” without Cilantro as Doxycycline and Cilantro cancel each other’s effects. But if additional Mycobacterium Tuberculosis infections co-exists, both Isoniazid and Rifampin, which are effective for Mycobacterium Tuberculosis, cancel the effects of EPA & DHA, as well as the effect of Doxycycline, and therefore these medications cannot be given together. However, in the early 1990s, the author found the Saiko-Keishito (Tsumura No.10) is compatible with EPA +DHA as well as Doxycycline. Therefore, this combination of EPA & DHA and Saiko-Keishito is also successfully used for simultaneous treatment of cancer with coexisting Mycobacterium Tuberculosis with alternative use of a combination of EPA & DHA, Cilantro and Selective Drug Uptake Enhancement Method.

By giving the compatible effective medications Selective Dug Uptake Enhancement, often significant improvements were obtained within a few days of treatment. The therapeutic effect was further enhanced and accelerated by taking a hot shower or a hot bath and doing Selective Drug Uptake Enhancement about 30 minutes after taking these effective and compatible medications. One of the major factors inhibiting drug uptake is wearing underwear or wearing metals such as earrings, necklaces, watches and bracelets, which produce a strong negative Bi-Digital O-Ring Test. Even if the underwear is O-Ring Test positive, if the label on the underwear is not removed, then drug uptake will be significantly inhibited because almost all labels are strong O-Ring Test negative. Also, the crossing of the hands or legs also inhibits drug uptake. Therefore, in order to obtain excellent therapeutic results using effective medication and Selective Drug Uptake Enhancement Method, all the factors that inhibit drug uptake have to be eliminated.
Pre-cancer and cancer can be screened non-invasively in an average of 2 minutes (after all the preparations are finished), using Integrin $\alpha_5\beta_1$ as a reference control substance through the projection of a soft laser beam with small round area at both hands and feet without directly touching the patient from a distance usually of within 20 meters. When the initial screening is positive for cancer or pre-cancer, then X-axis and Y-axis scanning with projection of soft laser line of the entire body is performed, and if there is any strong positive area at X-axis scanning, then a straight horizontal line is drawn on the body surface. Then Y-axis scanning is performed, and if it shows strong positive, then a vertical line is drawn on the body surface. On the crossing point of the 2 positive line of the X-axis and Y-axis scanning is the center of the suspected cancer or pre-cancer. Using an indirect method, a 3rd person holds Integrin $\alpha_5\beta_1$ in the palm of one hand and in the same hand holds the electrode, and the 3rd person touches the electrode around the crossing point. The area where there is cancer or pre-cancer produces a strong resonance between Integrin $\alpha_5\beta_1$ in the cancer or pre-cancer and the control Integrin $\alpha_5\beta_1$ in the hand of the 3rd person, and the boundary between the strong resonance area and area where there is no resonance accurately maps the outline of the pre-cancer and cancer area. The localization and evaluation of the exact location of one pre-cancer or cancer area takes anywhere between 20 to 60 minutes, depending on the individual circumstances. The following 5 parameters that coexist in cancer or pre-cancer are semi-quantitatively measured at the above cancer or pre-cancer positive area before treatment:

1. Marked increase in Integrin $\alpha_5\beta_1$
2. Marked increase in Oncogene C-fos Ab2
3. Marked increase in Hg.
4. Marked decrease in Acetylcholine (usually less than 1/1000th normal Acetylcholine)
5. Marked localized viral infection.

Once the 5 parameters indicate a presence of either pre-cancer or cancer, the cancer cell type is estimated using microscope slides of the known cancer cells of the specific internal organs. Telomere of the cancer or pre-cancer cells and normal tissue of the same internal organ is measured using the Bi-Digital O-Ring Test Resonance Phenomena Method. Telomere of cancer is always increased up to maximum of 2 or 3 times of corresponding normal tissue. Since most of the cancer has localized intracellular viral infection, to inhibit the growth of the cancer, in late 1980s the author found that a mixture of EPA + DHA is an effective anti-viral agent for cancer. However, since the author discovered around mid 1990s that Cilantro can remove various metals
such as Hg, Pb, and Al, by giving Cilantro to remove abnormally increased intracellular Hg with Selective Drug Uptake Enhancement Method, the author in the mid 1990s found that a combination of EPA + DHA, and Cilantro with Selective Drug Uptake Enhancement Method, often inhibited the cancer growth or metastasis and decreased the existing cancer. The efficiency of this cancer and pre-cancer treatment was further accelerated by the patient applying heat through moxibustion or taking 30 min hot shower and hot bath or 30 minutes after taking EPA + DHA and Cilantro with Selective Drug Uptake Enhancement Method, to deliver the drug to the pathological area.

Recently the author found that while treating a cancer with EPA + DHA and Cilantro and Selective Drug Uptake Enhancement Method, the patients often developed Mycobacterium Tuberculosis or Mycobacterium Avium around the cancer tissue. While treating cancer patients with EPA + DHA and Cilantro with Selective Drug Uptake Enhancement Method, even when the response to cancer is diminishing, often Mycobacterium Avium or Mycobacterium Tuberculosis multiply further (as seen with an increased shadow around the cancer tissue in X-ray film) but the most basic medication for Mycobacterium Tuberculosis and Mycobacterium Avium is Isoniazid. But Isoniazid is not compatible with EPA + DHA as well as Cilantro. As a result, one cannot give Isoniazid and EPA + DHA and Cilantro together because all the beneficial effects will mutually cancel each other. However, in the early 1990s, the author discovered that Saiko-Keishito [Tsumura No.10 which is known to have anti-Tuberculosis effects], is compatible with EPA + DHA or Doxycycline or Azithromycin. Therefore, it is possible to treat simultaneously both cancer or pre-cancer and either Mycobacterium Tuberculosis or Mycobacterium Avium, and the therapeutic effect can be enhanced by applying moxibustion on the organ representation area of the hand or taking a shower or hot bath about 30 minutes after taking these compatible medications. In hot water, the organ representation area in the hand corresponding to the cancer is stimulated. Often location of cancer corresponds to the strong electromagnetic field coming from below the bed.

A high degree of the risk in the cardiovascular system can be quickly screened using Homocyst(e)ine. If more than 3 mg of the reference control Homocystine is required to produce resonance with the Homocystine existing inside the body, often the patient has some type of cardiovascular problem, and screening can be done in a similar manner as for cancer or pre-cancer using a red spectrum laser beam. In the treatment of essential hypertension, it is often necessary to treat the hypertensive patient with anti-hypertensive drugs for the rest of his life because present anti-hypertensive treatments are only anti-symptomatic. However, the author found that in many so-called essential hypertension patients, frequently there is either a bacterial or viral infection in the cardiovascular representation area of the medulla oblongata. Also, another common finding in essential hypertension patients is a prominent aortic arch that can be identified in a chest X-ray, and the author often found a Chlamydia Trachomatis infection at the aortic arch as well as coronary arteries and kidney of the hypertension patients. When these infections are identified and the effective antibiotics are given with the Selective Drug Uptake Enhancement Method and the infection is practically eliminated, the blood pressure often becomes normal without any anti-hypertensive medication.

Irritable Bowel Syndrome is considered to be one of the most intractable medical problems because its cause is not often identified. However, using the Bi-Digital O-Ring Test, the author often found mixed infections of virus and Mycobacterium Tuberculosis with or without Chlamydia Trachomatis. Often localized deposits of metals with markedly reduced Acetylcholine exist. When EPA + DHA as antiviral agent and Cilantro to remove deposited metals were given
with Selective Drug Uptake Enhancement Method to selectively deliver the medication to the pathological area, symptoms often improved. But if the symptoms recur or symptoms cannot be eliminated, often coexisting Mycobacterium Tuberculosis with or without Chlamydia Traomatis was found. Although Isoniazid and Rifampin with Vitamin B₆ (to prevent peripheral neuropathy) for Mycobacterium Tuberculosis are not compatible with DHA+EPA, Cilantro, and Doxycycline (or Erythromycin or Azithromycin) for the treatment of Chlamydia Trachomatis, the author found that instead of Isoniazid and Rifampin, the commonly used Japanese herb medicine Saiko Keishito (Tsumura pharmaceutical company No.10) is compatible with EPA + DHA as well as Doxycycline. Sometime additional bacterial infection also coexists which can be treated very easily. If chronic diarrhea persist more for than 1-3 months, the most common cause is Chlamydia Trachomatis infection of descending colon.

The most common cause of intractable pain that exists in only one side of the body is Herpes Simplex Virus Type 1 infection. If intractable pain exists in both sides of the body, the most common cause is Herpes Simplex Virus Type 1 infection in one side, and the other side has Herpes Simplex Virus Type 2 infection. In the painful area due to Herpes Simplex Virus Type 1 or Herpes Simplex Virus Type 2 a minimum of 25-35ng of reference control Herpes Simplex Virus is required to produce maximum resonance. The author found that the most safe and effective treatment is the use of a combination of Cilantro to remove localized excessive deposits of metals and a mixture of EPA + DHA as an antiviral agent with the application of the Selective Drug Uptake Enhancement Method to selectively deliver these medications to the painful virus infected part of the body. The therapeutic effect is further advanced by the application of heat through moxibustion, shower or hot bath. Intractable pain can be eliminated with the treatment in 3-7 days in more than 80% of the patients who have had severe pain for many years due to Herpes Simplex Virus Type 1 or Type 2 Virus Infections.

One of the most common causes of chronic genito-urinary problems and infertility in women is Chlamydia Trachomatis infection of the genito-urinary system, such as the uterus, fallopian tubes, and ovaries. Because Chlamydia Trachomatis produces an intracellular infection, often standard laboratory tests fail to detect the presence of Chlamydia Trachomatis infection. When the Bi-Digital O-Ring Test detects a Chlamydia Trachomatis infection in 10 patients, and when we send the patients to a laboratory tests for Chlamydia Trachomatis, then only an average of 2 patients return with positive laboratory results. Standard laboratory tests fail to detect Chlamydia Trachomatis in the rest of the patients. As a result, most of the doctors who trust standard laboratory tests fail to treat these infections. However, when we treat these patients and after the Chlamydia Trachomatis infection reduces, then most of the symptoms such as severe lower abdominal pre-menstrual pain as well as general discomfort of the lower abdomen with or without frequent urination often disappear within 1-2 months of treatment. After treatment, often a woman patient with infertility becomes pregnant. Also when a Chlamydia Trachomatis infection exists around the upper respiratory tract including in the nasal and oral cavity and the sinuses for many years, then patients often develop a deep crease that runs from the bridge of the nose to the lower part of the forehead. Therefore, one can often recognize a Chlamydia Trachomatis by simply observing this characteristic “Facial Chlamydia sign” discovered by the author in 1999. Many of the individuals with upper respiratory Chlamydia Trachomatis infections often sneeze and these patients are often diagnosed as being allergic to pollen. When Chlamydia Trachomatis is treated with Doxycycline with or without EPA + DHA or Amoxicillin for additional coexisting virus or bacterial infection with Selective Drug Uptake Enhancement Method, symptoms rapidly improve. When a distinct facial Chlamydia sign exists in one side or both sides, then often strong Chlamydia Trachomatis exists in the retina on the same side. If the
maximum amount of Chlamydia Trachomatis required to produce maximum resonance is over 1000ng, for the eye on the same side has decreased vision. When the Chlamydia Trachomatis is treated and Chlamydia goes down to a level less than 10ng, then the patient often experiences significant improvement in vision and they feel that the room becomes brighter. When the amount of Chlamydia Trachomatis required to produce a maximum resonance is reduced to 1 picogram or 1 femtogram or 1 attogram and if treatment is discontinued, then in the majority of the patients, the infection reoccurs gradually partly because even though, the local infection is reduced significantly, often Chlamydia Trachomatis hides in several hiding places in the body, such as (1) Sinuses around the nose, (2) Caruncle under the tongue, (3) Quarter-size round or ellipsoidal area at the upper arm axilla, (4) Pancreas, (5) Part of the Grand Penis or Clitoris and (6) Growth line of the large bones. In all these areas, there is an increased amount of an Insulin-Like Growth Factor.

THE EFFECTIVITY AND CHECK POINTS OF EPA&DHA and CILANTRO TO CANCER USING BI-DIGITAL O-RING TEST

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(AIM) We have diagnosed and selected the effective drug to cancer patients using Indirect Bi-Digital O-Ring test (OMURA, Y., 1984-1986; BDORT) and checked the effectivity of drugs and checkpoints of BDORT. We used the treatment method that Professor OMURA directly taught us and reported on papers.

(OBJECT) 11 cancer patients. Age ranged from 42 to 82 years old. Breast cancer three cases, lung cancer 1 case, gastric cancer 3 cases and pancreas cancer 3 cases.

(METHOD) We used Indirect BDORT and slide sold from O-Ring Test Life Science Research Institute: mainly herpes simplex virus type 1, herpes simplex virus type 2, cytomegalo virus, chlamydia trachomatis, mycobacterium tuberculosis and mycobacterium avium. We decided the effective drug using Indirect BDORT.

First we used EPA&DHA and cilantro. When the patients were Infected by mycobacterium tuberculosis, mycobacterium avium and chlamydia trachomatis, we added the Saiko-keishi-tou.
After mycobacterium tuberculosis and mycobacterium avium decreased less than 1ng using Indirect BDORT, we changed drugs of the combination EPA&DHA, azithromycin for treatment of cancer.

We taught the patients to do the selective drug uptake method (OMURA, Y., 1994) four time days for fifteen minutes at thirty minutes after taking drugs. We recommended the taking a shower for thirty minutes or taking a hot bath from ten minutes to twenty minutes. We introduced O-Ring Test positive clothes and underwear. We introduced the shops that are selling O-Ring positive clothes and underwear. We introduced Futon that doctor Takeno developed. We taught patients to take Evian and water purified by Trim water purifier. We taught patients to arrange the circumstances free from the environmental electromagnetic fields. We introduced the food that was o-ring test positive and included low mercury. We checked teeth of patients to investigate the mercury content and amalgam.

**RESULT** In all 11 cases, Integrin alfa-5 beta-1, oncogen c-fos Ab2, mercury Increased and Acetylcholine decreased. And also in all 11 cases, mycobacterium tuberculosis or avium are infected. After treatment, In 3 cases of 11 cases, Integrin alfa-5 beta-1 decreased less than 1ng. 7 cases of 11 cases Is now under treatment and survive. One case could not continue our procedure, because the electromagnetic field in home could not changed and pain appeared in home.

**DISCUSSION** The cancer treatment using EPA&DHA and cilantro has very few side effects and could shrinkage the tumor size. That treatment could change the cancer tissue to the tissue between normal tissue and cancer. But almost cases have an Infection of mycobacterium tuberculosis or avium and so in some case, the contrast shadow of x-ray film Increased when we treated cancer using only EPA&DHA and cilantro. We need to treat both the cancer tissue and the mycobacterium tuberculosis or avium simultaneously. We have found the combination of EPA&DHA, cilantro and saiko-keishi-tou has a possibility to be very effective to the cancer and mycobacterium tuberculosis or avium. Cancer patients have a general Immune dysfunction and we suspect that mycobacterium tuberculosis or avium and chlamydia trachomatis Infection makes general Immune dysfunction. The drug combination with Saiko-keishi-tou can decrease the mycobacterium Infection and chlamydia trachomatis. But we need to look for other kuoketuzai, because EPA&DHA and cilantro Is not perfect for cancer treatment.

**CONCLUSION**
1. Cancer patients have a general immune dysfunction. So we need to treat not only virus also mycobacterium tuberculosis or avium and chlamydia trachomatis.
2. It is very important not only to take the suitable drugs but also to manage the daily life, food and circumference of patients.
3. That treatment using EPA&DHA and cilantro could change the cancer tissue to the tissue between normal tissue and cancer. But the food and electromagnetic field influenced the cancer tissue to change to normal tissue to cancer easily.

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(AIM) We have diagnosed and selected the effective drug to multiple operative back using Indirect Bi-Digital O-Ring test (OMURA, Y., 1984-1986; BDORT) and checked the affectivity of drugs and checkpoints of BDORT.  

(OBJECT) Subjects were 4 cases: male 3 cases and female 1 case. Cervical disc herniation 1 case and lumbar disc herniation 3 cases. Age ranged from 25 to 71 years old averaged age 50.0 years old.

(METHOD) Indirect Bi-digital O-ring test was utilized. We used prepared specimens supplied from O-ring test life science research institute. When we diagnosed the head of patients, we used the swimming cap with 3 pinholes to breathe well. The prepared specimens of herpes simplex virus type1, herpes simplex virus type2, cytomegalo virus, mycobacterium tuberculosis and mycobacterium avium were used. We measured the antibody of IgG and IgM of herpes simplex virus and cytomegalo virus for the blood examination. The effective drugs were decided using indirect Bi-digital O-ring test. We prescribed the cilantro and EPA&DHA mainly for internal use. The electric stimulation between the frontal head and occipital portion was carried out in order to increase drug uptake and the stimulation rate is as same as heart pulse rates. The stimulation was carried out using Ohm Pulser LFP-7000 made by Zen Iryou Co. The selective drug uptake method (1994 in Omura) was guided to patients 4 times per day. We teacher to arrange the electromagnetic circumstance and clothes.

We introduced the food that was BDORT positive and included low mercury. We checked teeth of patients to investigate the mercury content and amalgam.

(RESULT)

CASE 1: K.O. 53 years old male, MOB
In 1969, operation for lumbar disc herniation. In 1970, paralysis of bilateral lower extremity appeared. Second operation for subdural adhesion. In 1975, severe lumbago appeared and he hospitalized for conservative treatment. In 1995, right lower extremity pain appeared and he could not walk. He could walk after conservative treatment. In 1996, he could not walk again by right lower extremity pain. In 1996, L4/5 diseconomy was carried out. In 2000, partial laminectomy and neurolysis was done. Herpes simplex virus type 1 Infection was diagnosed using BDORT. EPA & DHA and cilantro were effective and pain decreased.

Case 2: J.O. 25 years old male, MOB
In 1993, operation for left L5/S disc herniation was done. In 1994, operation for right L5/S disc herniation was done. In 1998, May, Percutaneous Lazer treatment was done. In 1999, November 15, nerve block was done. In 2000, January 13, he consulted our department. Mycobacterium tuberculosis Infection was diagnosed using BDORT. Iscotin and pydoxal was effective and lumbago decreased remarkably.

CASE 3:N.I. 64 years old, female MOB
In 1992, pain appeared at left middle and ring fingers. In 1992, July, operation to left hand was done and pain increased after operation. In 1993, January, she was diagnosed as reflex sympathetic dystrophy. In 1994, April, pain decreased by neurotropin dosis. In 1995, pain appeared on his left lower extremity. In 1997, February, left L5 laminectomy and posterior lateral fusion was done. In 1997, March, operation was carried out for lumbar.
partial laminectomy was done. Pain continued. Herpes simplex virus type 1 & type 2 Infection was diagnosed using BDORT. EPA & DHA and cilantro were effective and pain decreased.

Case 4: M.K. 51 years old, male MOB
In 1998, December, 31, iron box fell down on his face and nuchal pain appeared. In 1999, June, C3/4 anterior fixation was done. After operation, motor disturbance on neck appeared. In 2000, March 1, reoperation was done and pain increased more. In 2000, April 13, dystonia was diagnosed. Herpes simplex virus type 1 & type 2, and cytomegalo virus Infection was diagnosed using BDORT. EPA & DHA and cilantro were effective and pain and Involuntary motion decreased.

(DISCUSSION) It is very difficult to detect the virus Infection and mycobacterium Infection in tissue by our modern western medicine. We can detect the virus Infection and mycobacterium using by BDORT in tissue. This is very epoch-making diagnosis method. Reflex sympathetic dystrophy appeared mainly on upper extremity and lower extremity. But a part of multiple operative back is the reflex sympathetic dystrophy on trunk by our data using BDORT.

(CONCLUSION) The causes of multiple operative back were herpes simplex virus Infection and mycobacterium tuberculosis by BDORT and laboratory data.

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Changes of Metals and Oncogene in the Liver of Long-Evans Cinnamon Rats –Progress Report–

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Abstract

The Long-Evans Cinnamon (LEC) 1) rat, when survives acute hepatitis, develops chronic hepatitis, liver cirrhosis, and subsequently liver cancer and is known as an animal model of Wilson's disease characterized by the excess hepatic Cu deposition. In the recent years, it has been found that Fe is elevated in an increasing number of cases of type C chronic hepatitis 2)3) and other diseases, drawing attentions on the strategies for their treatments.

In this report, the levels of Fe, Cu, Hg, and Oncogene c-fos Ab-2 were monitored over the period of 1 year in the liver of LEC rats.

[Subjects and Methods]

Rats:

Group A From 12 male LEC rats born August 1-3, 1999, 3 rats which survived acute hepatitis
Group B From 27 male LEC rats born December 5-7, 1999, 11 rats which survived acute hepatitis
Group C From 3 male LEC rats born December 26-28, 1999, 2 rats which survived acute hepatitis
Group D (control) 1 male Wister rat born September 13, 1999

Diet: CE-2 (Nippon Clair) Water: Tap water

Fe, Cu, Hg and Oncogene C-fos Ab-2, using the Bi-Digital O-Ring Test (BDORT) 4), were monitored for one year in the liver of the rats mentioned above. At the same time, WBC, RBC, Hb, Plt, GOT, GPT, ALP, ferritin, Fe, Cu, and Hg were measured in the blood. In addition, serum HSV-I and II were measured quantitatively by PCR. The presence and absence as well as location of liver tumors were confirmed by ultrasonography.

[Results and Discussion]

1 In the course of about 1 year, the Hg level (pg-mg) and the Oncogene C-fos Ab-2 level (fg-more than 100 µg) changed over the wider order of units than the Fe level (µg-mg) and the Cu level (ng-mg).

2 In the groups A, B, C and control group D, a 1st drastic increase of the Oncogene C-fos Ab-2 was observed simultaneously, although they differed in the number of weeks of the age. Preceding its increase, HSV-II infections were identified by BDORT. Although HSV infections could not be confirmed since serum HSV-II was not detected by the PCR method, the virus infection could have caused triggering of the drastic increase of the Oncogene C-fos Ab-2.

3 Within 1 month following the confirmation of HSV-II infections by BDORT, the Oncogene C-fos Ab-2 sharply increased over the range of fg→ng→pg(the lst drastic increase of the Oncogene C-fos Ab-2). Hg started to drastically change from pg to ng about 2 months following the sharp increase of the Oncogene C-fos Ab-2 (the lst sharp increase of Hg).

4 A sharp increase of Fe was observed before or at the same time with the 2nd sharp
increase of the Oncogene C-fos Ab-2. A rapid increase of Cu was observed at the time of the gradual increase of the Oncogene C-fos Ab-2 following its sharp increase. The 2nd sharp increase of Hg also coincided with the gradual increase of the Oncogene C-fos Ab-2.

5 By ultrasonography, liver tumors were not detected after the 1st sharp increase of the Oncogene C-fos Ab-2 (December, 1999) but were identified at the time of the 2nd drastic increase of the Oncogene C-fos Ab-2. Since tumors were not detected by ultrasonography at the time of 1st drastic increase, identifying a drastic increase of the Oncogene C-fos Ab-2 at an earlier time may lead to an early detection of tumors.

6 In the LEC rat used in the present study, the Oncogene C-fos Ab-2 level reached over 100 µg by BDORT that was beyond the measurable range. Preparations of the higher concentration standards will be required for the future studies.

7 In future, we will study comparison of the BDORT on the liver tissue surface, following celiotomy under anesthesia, to the one on the body surface, local concentrations of Fe, Cu, and Hg in the liver, and Oncogene C-fos mRNA levels in local areas of the liver, including cancerous and non-cancerous areas.

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[References]

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Five Cases of the Diabetes Improved by Bi-Digital O-Ring Test (BDORT) Treatment

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**[Purpose]** By using Bi-Digital O-Ring Test (BDORT), which was originally founded and developed by Prof. Omura, Y. in New York, to the patient with diabetes, blood glucose levels and also HbA1C values were improved by the guidance of an oral diabetes medicine, Chinese herb medicine and health foods. Authors would like to report typical five cases.

**[Methods]** For the patient comes to our clinic with diabetes, authors basically instructed to take Starsis\(^{®}\) (nateglinide) \(3T3\), Euglucon\(^{®}\) (glibenclamide) \(2T2\) or Basen\(^{®}\) (voglibose) \(3T3\) etc. as the prescription by BDORT. Furthermore we instructed the patients blended diabetic tea called “San-Gen-Cya” (Gymnema sylvestre, lycium chinese, guava, bamboo grass) and Go-Rei-San (TJ-17) (7.5g3) after the result of BDORT drug compatibility test. Patients were checked and followed-up by blood glucose and HbA1C level.

**[Results]** No patient was injected insulin in these five cases. Table 1 shows improved five cases.

<table>
<thead>
<tr>
<th></th>
<th>Recipe period</th>
<th>Blood Glucose (mg/dl)</th>
<th>HbA1C(%) (biochemistry)</th>
<th>Insulin (BDORT)</th>
<th>Cytomegalovirus (BDORT)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>61year-old female</td>
<td>3 months</td>
<td>156 [116</td>
<td>10.2 [6.4</td>
<td>2.0 mg</td>
</tr>
<tr>
<td>B</td>
<td>60year-old female</td>
<td>21 months</td>
<td>479 [297</td>
<td>11.8 [8.4</td>
<td>2mg [3.5 mg</td>
</tr>
<tr>
<td>C</td>
<td>39year-old male</td>
<td>15 months</td>
<td>347 [121</td>
<td>8.3 [6.2</td>
<td>2.6 mg</td>
</tr>
<tr>
<td>D</td>
<td>81year-old female</td>
<td>2 months</td>
<td>217 [155</td>
<td>9.7 [7.3</td>
<td>2.0 mg</td>
</tr>
<tr>
<td>E</td>
<td>59year-old male</td>
<td>11 months</td>
<td>331 [74</td>
<td>9.8 [6.0</td>
<td>2.1 mg</td>
</tr>
</tbody>
</table>

The patient followed our prescription about oral diabetes medicine, chinese herb medicine and health food “San-Gen-Cya”, their blood glucose and HbA1C were both reduced and improved.

![Figure 1](image-url)
As like as these cases, we have experienced many cases of reducing both their blood glucose levels and HbA1C level by taking not only oral diabetes medicine, but also “San-Gen-Cya” which are passed BDORT drug compatibility test. In some cases patients don’t get well, although we instruct to take drugs and healthy foods which passed by BDORT drug compatibility test. Among such cases, they often took Vitamin C rich foods such as orange or leaves of the persimmon which cancels the effects of BDORT passed drugs. In another way patients don’t care about the dangerous risk of electro-magnetic fields. We should instruct and notify the patients how to reduce the influence of the electro-magnetic fields and also inhibiting factors of drug uptake enhancement. We would like to re-examine these things in many cases in future.

(References)


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Diagnosis of Internal Contamination with Dioxin and Formaldehyde (Bi-Digital O-Ring Test Method) and Marked Decrease of Intracerebral Neurotransmitters

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Managing Director, Oita Oka Hospital, Keiwakai Medical Corporation

This report concerns marked decrease of intracerebral neurotransmitters caused by internal contamination with dioxin (D) and formaldehyde (F), with a proposal of means for its diagnosis and treatment.

Method

1) Samples for experiment
(1) Dioxin: (polychlorinated para-dioxin) 650 pg/L + coplanar polychlorinated benzene 780 pg/L
(2) Formaldehyde: (35.0 % formalin solution)
(3) Intracerebral neurotransmitters: acetylcholine, β-endorphin, dopamine, γ-aminobutyric acid (GABA), nor-epinephrine, serotonin, bradykinin and thromboxane (TXB2)
2) Testing technique: Bi-Digital O-Ring Test (Omura, Y., 1977-2001; BDORT)

Results

1) Concentration of contaminants: dioxin 10-30 pg/kg, formaldehyde 1.0-3.0 µg/kg.
2) Distribution in human body: intensive resonance was recognized in head, thyroid, thymus, liver, adrenal, kidney and testis. The concentration of dioxin was 0.001 pg/kg, and almost none in the brain.
3) Thymus function was always kept augmented strongly.
4) In cases contaminated with D and F, marked decrease in intracerebral neurotransmitters was observed.
5) In newborn babies, D or F was not detected at all. Milk from contaminated mothers contained D and F at high concentrations.
6) Clinical symptoms: chronic fatigue and pain, reduced volition and depression, reduced memory capacity (in particular, short-term memory), augmented stress, exaggerated allergic reactions (pollenosis, cutaneous allergy, and asthma)
7) Treatment: chelating agent (elimination of heavy metal intoxication), traditional oriental medicine, meridional acupuncture and Donepezil Hydrochloride (effective against decrease in intracerebral neurotransmitters).

Among these findings, it seems that the marked decrease in the intracerebral neurotransmitters caused by contamination with environmental pollutants, formaldehyde and dioxin, may constitute one of causative factors for the currently prevalent physical and social events, both abnormal and pathological.
Table 1

<table>
<thead>
<tr>
<th>Amount of F. and D. in primary secreted mother milk</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>Mother body</td>
</tr>
<tr>
<td>Mammary gland</td>
</tr>
<tr>
<td>Primary Secr. milk</td>
</tr>
</tbody>
</table>

Table 2:

| № | Name | Age | Sex | Thyamus function | D | F | Ach | β- | E | N | S | symptoms |
|---|------|-----|-----|------------------|---|---|-----|----|---|---|---|----------|----------|
|   |      |     |     | O.R.T. p | µ | Before/After | B/A | B/A | B/A | B/A | B/A | Depress | allergy | pain |
| 2 | K,T  | 28  | F   | 12.1   | 20/3100 | 2/80 | 3/140 | 3/30 | 2/20 | 2/70 | ±       | ±       | +     |
| 4 | O,K  | 49  | F   | 12.0   | 38/3000 | 2/80 | 4/50  | 2/20 | 1/30 | 4/70 | ±       | ±       | ±     |
| 6 | O,S  | 41  | F   | 12.1   | 15/2800 | 3/70 | 3/140 | 4/30 | 2/30 | 3/70 | ±       | ±       | ±     |
| 7 | O,S  | 77  | F   | 70.7   | 30/2400 | 4/70 | 3/130 | 3/20 | 3/15 | 3/60 | +       | ±       | ±     |
| 9 | O,N  | 71  | F   | 41.5   | 40/3000 | 3/70 | 3/140 | 3/14 | 3/15 | 3/70 | +       | ±       | ±     |

Do: Dopamine  G: GABA  N: Noradrenaline  S: Serotonin
OITA OKA Hospital march 2001.
One Consideration about a Circulatory System Run of Gallbladder Meridian.
About the Electrical Property of Gallbladder Meridian

Kazuhisa Iwamoto.
Osaka Oriental medicine Bi-Digital O-Ring Test Study Group.

Purpose.
The 3rd and 4th Bi-Digital O-Ring Test international symposium reported a run and electrical property of the circulatory system of Kidney Meridian. Following on it, Bi-Digital O-Ring Test which Professor Yoshiaki Omura originated in 1977 is used this time. The Gallbladder of the normal organization for Meridians and collaterals Imaging of Bi-Digital O-Ring Test is used. according to a resonance phenomenon Mapping of Gallbladder Meridian which Professor Yoshiaki Omura performed in 1986, and Meridians and collaterals • Meridian Points is retested, Change by Gallbladder Meridian when applying electric load like last time is reported to Meridian Points and the Meridians and collaterals which were detected, and consideration is added.

Object.
It was aimed at 23 years old and the healthy person.

Method.
The prepared slide of the gallbladder disinfected in alcohol was wrapped in tissue, the silver search stick showed the body surface, the point that it was resonant with it was plotted, and the connected point was drawn. Next, "LR44" (alkali button battery for clocks) was fixed to the place considered to be drawn 丘墟穴(GB40) with the paper streamer, and change of the place where after that was drawn was measured using the grade of Bi-Digital O-Ring Test. The third person was used for the resonance phenomenon and the grade made the object point what O-Ring opens most using the indirect method by the silver search stick.

Result -- the 1
1. By the prepared slide of the gallbladder, drawing considered to be characteristic detection of a point and Meridian Points • Meridians and collaterals of Gallbladder Meridian was completed.
2. In a head, a face part, the neck, and shoulder, what is mostly considered to be Meridian Points of Gallbladder Meridian and a Meridians and collaterals was detected.
3. The result which applied the electric load by the button battery saw a specific change, when load of the minus was carried out, change was not seen by Bi-Digital O-Ring Test but plus load was applied.

Result -- the 2
As a result of applying the electric load by the button battery to right 丘墟穴(GB40), Bi-Digital O-Ring Test, from right of 足竇陰穴(GB44) to right of 維道穴(GB28), 気海穴(CV6) of Conception Vessel Meridian, and from left 五枢穴(GB27) to left 京門穴(GB25), from left 肩井穴(GB21) to the left neck, and a head Gallbladder Meridian Points opened to the maximum extent.

As a result of applying the electric load by the button battery to left 丘墟穴(GB40), Bi-Digital O-Ring Test, from left of 足竇陰穴(GB44) to left of 維道穴(GB28), 気海穴(CV6) of Conception Vessel Meridian, and from right 五枢穴(GB27) to right 京門穴(GB25), from right 肩井穴(GB21) to the right neck, and a head Gallbladder Meridian Points opened to the maximum extent.

In Gallbladder Meridian detected this time, the phenomenon which carries out right-and-left intersection by 気海穴(CV6) was looked at by the plus electric charge load of 丘墟穴(GB40) the
line distributed over the neck of order from "shoulder Ibe" on either side -- when electric load was applied to right 丘墟穴 (GB40) and drawing applied electric load to the left at left 丘墟穴 (GB40), right O-Ring opened it to the maximum extent

**Consideration.**

Gallbladder Meridian using the resonance phenomenon by the prepared slide of the gallbladder body surface drawing of Meridians and collaterals was detected to right-and-left symmetry with Meridian Points • Meridians and collaterals which have been told till present in the almost same place However, each Meridian Points • Meridians and collaterals which did not change even if it applied the electric load of minus, when electric load was applied to 丘墟穴 (GB40) on either side this time changed by applying the electric load of plus. Although it caught with change obtained when it reported having changed and carried out and an electron flies and bought the inside of a "circulatory system" when the electric load of minus was applied in Kidney Meridian last time the phenomenon which changed only with plus poles this time and which was carried out Meridian Points • Meridians and collaterals Yin Meridian and Yang Meridian -- I want to think whether to change with the electric charges which are different, respectively, to retest in a Meridians and collaterals besides future, and to add consideration Moreover, it is considered whether the Meridians and collaterals is reflecting the nerve-rule looked at by intersection of cranial nerves and the spinal nerves to have crossed specifically.

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[Purpose] In this study the author examined patients with intractable skin diseases such as chronic eczema, atopic dermatitis or palmoplanter pustulosis and investigated the more effective and radical methods of therapy using the Bi-Digital O-Ring Test (ORT) developed by Prof. Y. Omura, in New York.

[Subjects and Method] Subjects: patients who visited our clinic hoping to receive therapy for many cases of chronic eczema and atopic dermatitis and three cases of palmoplanter pustulosis. Method: (1) The reference control substances for ORT prepared by ORT Life Science Research Institute and the undetermined specimens of PCB, dioxin, bacteria and virus for ORT prepared by Superior Methods Research Co. were used. (2) After drug-uptake inhibiting factors such as chemical fibers and clothes had previously been removed, (3) the direction and angle of the neck and the body posture which opened an O-ring at the sites of the thymus gland and the lesions were examined. (4) The abnormal regions were directly detected on the body surface and "The organ representation area (by Prof. Y. Omura)" of the right palm was often used at the same time to do quick screening. The deposit concentrations of heavy metals such as Al, Hg and Pb, and the presence of dioxin, PCB, bacteria and virus at abnormal area and skin eczema sites were measured by use of ORT resonance phenomenon. (5) When heavy metals were detected, the sources of their origins were examined as much as possible. (6) Using control substances of Integrin $\alpha_5\beta_1$ from 50ng to 130ng, it was examined whether resonance was detected over the whole body to examine the influence of noxious electromagnetic waves. The origins of electromagnetic waves were investigated by visiting the patients' houses and bedrooms when necessary.

[Results] (1) In the patients with coetaneous symptoms, the resonance phenomenon of heavy metals, PCB or molds were frequently observed by ORT not only at the site of eczema but also in the spleen, intestines, or kidneys. Furthermore, in the cases with coetaneous symptoms, abnormality was observed in the spleen without fail. In the family members who lived in the same circumstances and had the same abnormal reactions as the patients in other organs, the coetaneous symptoms were not observed unless abnormality was detected in the spleen. (2) The strong positive resonance of Integrin $\alpha_5\beta_1$ was detected at the site of the spleen (left hypochondrium of the body surface) in the patients with coetaneous symptoms. In some cases, Integrin $\alpha_5\beta_1$ was detected in linear forms and its highly concentrated parts made more than two lines which crossed each other at the site of the spleen. (3) The strong response of Integrin $\alpha_5\beta_1$ was also detected at the sites where coetaneous symptoms were observed. (4) There were many cases in which the origins of noxious electromagnetic waves were considered to be electrical appliances, switchboards, and electric wiring behind the ceiling near the patients' sleeping places. Some cases were recognized where the resonance of Integrin $\alpha_5\beta_1$ in the spleen was decreased, and the eczema was completely cured by decreasing these influences and moving the sleeping places. However, when only the sleeping places were changed, the positions and the features of eczema changed, or disorders such as pain occurred in places where there had been no symptoms before in some cases. (5) In the case of palmoplanter pustulosis, Integrin $\alpha_5\beta_1$ was detected in high response at the sites of the spleen and the sternocostal clavicular area in all three cases including a case which had felt no pain at the sternocostal clavicular area. (6) When milk products which the patients had taken were examined, the resonance phenomenon of PCB or
Dioxin was often observed, and when the intake of milk products was ceased, the cutaneous symptoms improved in some cases. (7) In cases where food was put into plastic vessels or raps and cooked in a microwave oven, the cutaneous symptoms often improved when this cooking was ceased. (8) There were many cases in which it was presumed that heavy metals such as Al, Hg or Pb detected at the sites of the spleen and of eczema were from the origins of cooking utensils such as aluminum pots or frying pans or dental metals. When the cooking materials were changed to stainless products of high quality, it was observed that the cutaneous symptoms tended to improve. (9) Even though the dental metals were removed by dentists, it was observed that the metals were deposited and remained in the gingiva in many cases. When examined by ORT resonance phenomenon, drugs were hardly reaching the tissues around the teeth, and in addition to the removal of the usual drug-uptake inhibiting factors, (a) the adjustment of occlusion of the teeth and (b) the adjustments of the direction and angle of the neck and body posture with ORT were required. (10) In many cases, the values of Hg and Pb detected in organs such as the eczema site, spleen, gastrointestinal tract and kidneys were almost the same as the concentrations of those metals in the gingiva, which were considered to elute from the dental metals. The trace amounts of eluted heavy metals were from only small parts of the dental metals that were decayed and discolored in many cases. In the cases that the same metal was used for the treatment of other teeth, the elution of heavy metal was not always detected by ORT. (11) By the administration of Chinese herbal medicines it was often recognized that the resonance of PCB or dioxin disappeared, the response of heavy metals decreased, or the symptoms were improved.

[Discussion] (1) The influences of chemicals and heavy metals in foods, seasonings, cooking appliances, and plastic products, and noxious electromagnetic waves from domestic electrical appliances were examined by ORT, and it was discovered that the improvement of cutaneous symptoms tended to be achieved by discontinuing or limiting the use of those goods. However, the pollution of those products was worse in our daily lives than we expected, and when a metal allergy was suspected, the examination of many other metals was required. This kind of therapy needed a long laborious amount of time. Therefore it was considered that further examinations on the differences between patients with cutaneous symptoms and normal subjects were necessary, and more effective and radical methods of therapy should be discovered. (2) It was presumed that one of the differences between the patients with cutaneous symptoms and the normal subjects was whether there was abnormality in the spleen or not. However, the treatment therapy was not easy, and it needed to take into consideration the life habits and life circumstances including (a) the effect of noxious electromagnetic waves on the spleen and (b) teeth occlusion and body distortion. (3) It is said that findings of inflammation in sternocostal clavicular parts are usually recognized in 10 to 20% of palmpplanter pustulosis. However, the influence of noxious electromagnetic waves is suspected in all three cases, it is presumed that the abnormality of the thymus gland in the vicinity of the sternocostal clavicular parts possibly participates in the occurrence of palmpplanter pustulosis, and further examinations on this point are considered to be necessary.

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Mechanism of Bi-Digital O-Ring Test  
In Terms of the Effectiveness of Microwave Resonance Therapy

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\(^2\) Internal Medicine, Kashiwa Hospital, Jikei University School of Medicine, Chiba, Japan.

Abstract

**Purpose:** We have reported that the strengthening reaction of muscle tone of one’s fingers on Bi-Digital O-Ring Test (BDORT)\(^1\) appeared when the therapeutic frequency was applied on acupuncture point of the patient during Microwave Resonance Therapy (MRT)\(^2,3\). We assumed that electromagnetic vibration mode in millimeter wavelength range\(^4\), which was considered as a basis of temporal order of biological system, took part in the changing of muscle tone on the BDORT\(^4\). Recently we used MRT for the treatment of the patients with hemiparesis and obtained some clinical improvements\(^5\). In this study we estimate the characteristics of the improvements of their motor function, and the mechanism of BDORT will be discussed.

**Subject and Method:** Twelve patients with hemiparesis after cerebrovascular diseases were treated by MRT. Ten were male and two were female. Age ranged from 50 to 86 with the mean of 61.8 years. Eight out of twelve were cases with cerebral infarction and four were with cerebral hemorrhage. Six showed right hemiparesis and six showed left. The mean period from the onset to the MRT was 744 days. Millimeter wavelength electromagnetic wave through 53 to 63 GHz was used for the therapy. The radiation was applied to the selected acupuncture points with determined frequency which provoked some sensational reaction with minimum power density. In the patient who failed to obtain the sensational reaction, the continuous noise of this range was used. The radiation at an acupuncture point was done for a maximum of 10 minutes and duration of the whole treatment was restricted to within 20 minutes. This therapy was carried out 7 times daily as a rule. Brunnstrom recovery stage, modified Ashworth scale, and grasping force were measured for the overall evaluation of the degree of paresis and spasticity. For detailed evaluation of their motor function, knee-pat test (the time needed for ten alternating pronation and supination actions), knee-mouth test (the time needed for touching the knee and mouth ten times), fingers function test (the time needed for fanning and grasping ten times) and ten-meter walking test (the time and steps needed for walking ten meters at the maximum effort) were performed before and after the MRT. The results were analyzed statistically. Movement analysis was added for the evaluation of spasticity in movement as a qualitative measure.

**Result:** All the examinations tended to show some improvements. In those, grasping force, knee-mouth test, and the time for ten-meter walk showed statistically significant improvement. Movement of the upper extremity on the knee-mouth test, synergy pattern, observed before the MRT, was replaced by more coordinated and selective movement accompanied with decrement of spasticity. Besides the motor function, improvements of insomnia or constipation were obtained in some cases.

**Discussion:** The therapeutic effect of the motor function after the MRT was characterized by good co-operativity. Improvement of muscle tone on BDORT might be achieved based on the same mechanism. These results support our hypothesis that the changing of muscle tone on BDORT is a phenomenon directly connected with the systemic function related to the biological order, in which coherent electromagnetic vibration possibly in millimeter wavelength range takes part. In the BDORT, systemic diagnosis can be done although muscle tone of the fingers is the only parameter. This fact also indicates the close relation between the muscle tone and the
systemic order of the biological system.


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Study on Differential Diagnosis of Pulmonary Tuberculosis and Nontuberculous Mycobacterial Infections Using Bi-Digital O-Ring Test

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2) Dept. of Neurosurgery, Tsukuba Memorial Hospital, Ibaraki, Japan.

Abstract

Purpose: It is virtually difficult to distinguish by X-ray diagnosis pulmonary tuberculosis (TB) from nontuberculous mycobacterial (NTM) infections, although the quick differential diagnosis is necessary for infection control including isolation in case of TB. Antituberculous agents are effective for the treatment of TB, but are not for NTM. This indicates that the Bi-Digital O-Ring Test (BDORT) drug compatibility test with antituberculous agents is potentially useful to distinguish TB from NTM. We studied the usefulness of this method for the differential diagnosis.

Subject and Method: Sixteen patients who had abnormal density on the chest X rays and had definitely diagnosed by polymerase chain reaction (PCR) method, DNA probe method, and microplate hybridization method, were subjected. Six patients had mycobacteria tuberculosis, 10 had NTM including 9 Mycobacterium avium complex (MAC) and one Mycobacterium kansasii. Six patients underwent BDORT prior to the definitive diagnosis (pre-tested cases). The compatibility with the major antituberculous agents such as INH, EB, RFP and PZA is estimated by the direct method of BDORT on Zong Fu point on the affected side of the patients. Results were compared with identified mycobacteria species and the sensitivity test on culture media.

Result: Five out of 6 TB patients showed compatibility with the antituberculous agents. On another patient, one of pre-tested cases, we failed to perform BDORT appropriately due to the problem came from the direct method. In contrast, all 9 MAC positive patients out of 10 NTMs showed no compatibility. In 4 out of 5 pre-tested cases(3 TB ,2 NTM), all BDORT diagnoses were the same as laboratory ones. But a M. kansasii positive patient who had incomplete resistance to INH and RFP on the laboratory test showed compatibility with the antituberculous agents.

Discussion: The results obtained in this study indicate that we can distinguish TB patients from NTMs using the direct method of BDORT drug compatibility test with antituberculous agents. This method can be performed easily even in the ambulatory clinic and seems to be useful for the clinical diagnosis of TB.

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Improvement of Pollinosis Using Plant Extracts  
-Results of a Questionnaire-

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Yasuhiro Shimotsuura M.D., F.I.C.A.E.²  
¹Hayashibara Biochemical Laboratories, Inc., ²Shimotsuura Hospital for Internal Disease

Introduction
Several effective anti-allergic agents are commercially available. However, most of these remedies also cause adverse effects like sleepiness and gastrointestinal upset. Folk or herbal medicines have been used for centuries to treat various disease conditions, including allergies. Some of these herbal medicines have been demonstrated to have immune regulatory functions. Additionally, they are believed to have a low incidence of side effects based on the fact that humans have ingested these medicines for hundreds of years. This report provides information on the beneficial effects of a mixture of plant-derived extracts in the treatment of pollinosis. The efficacy was tested using the Bi-digital O-ring test (BDORT) and a subject questionnaire.

Method
The plant extracts that were used include Perilla frutescens, Polygonum tinctorium, Aloe and Pfaffia glomerate. These plants were selected because of their suspected inhibition of the signs of pollinosis and relief of associated conditions. It has been reported that components of Perilla frutescens have a TNF drying effect, inhibit production of IgE antibody and inflammatory modulators, and have an inhibitory effect on Th2 cells. Polygonum tinctorium and Aloe are reported to have anti-inflammatory activity, and Pfaffia glomerate is anti-histamine. A mixture of powdered extract from each plant was used to test the effects on pollinosis using the BDORT Method. A total of 113 individuals, who reported that they suffered from pollinosis annually, volunteered for the study. The subjects were from varied areas of Japan (see Results). Each subject was given an explanation of the study and provided written consent. The subjects were instructed to record the type and severity of their pollinosis symptoms on a questionnaire. Any adverse effects were also to be recorded. Subjects were free to withdraw from the study at any time.

The questionnaire was composed of 8 items that included nasal congestion, nasal discharge (runny nose), sneezing, watery eyes, itching eyes, bloodshot eyes, problems sleeping, and overall symptoms of pollinosis. Symptoms related to pollinosis were classified four severities, and the other 7 variables were classified into three. Statistical analyses of the results were performed using the Wilcoxon test.

Result
Using the BDORT, the active dose of extract was calculated approximately 0.1 to 0.3 g of mixed extract powder (Table 1). From this information tablets were formulated that contained 0.2 g of each extract. These tablets were given to the subjects. Eighty-one (81) percent (92 of 113) of the subjects returned the questionnaire. Of the 92 subjects, 7 were eliminated from analysis because of missing data or the lack of an allergic attack during the test period. Therefore, data from 85 subjects was used to calculate the results of the questionnaire. The evaluable subjects were from the following regions of Japan, namely: Hokkaido and northeastern section (3 subjects), Kanto (21), Tokai (2), Kinki (8), Chugoku (38), Shikoku (8) and Kyushu (5).

Nasal complaints of nasal congestion were statistically (P < 0.01) reduced from 39% to 15%, nasal discharge from 66% to 27%, and sneezing from 65% to 35% (Fig. 1). Significant differences (P < 0.01) were observed in the reduction of itching and bloodshot eyes (Fig. 2). No significant improvement was noted in watery eyes, this is due to the low number of subjects with this symptom (Fig. 2). Overall symptoms of pollinosis were graded as serious or slightly
serious in 70% of the subjects. This percent was decreased to 29% 2 weeks after treatment. A significant improvement (P < 0.01) in sleep was also observed (Fig.3). No adverse effects were reported.

**Discussion**

Tablets were prepared that contained extracts derived from four plants that are reported to have anti-pollinosis effects. These plants were selected using the BDORT. Statistically significant reductions in the incidence and severity of allergy-related symptoms were observed in 7 of the 8 variables.

<table>
<thead>
<tr>
<th>Plant Derivative</th>
<th>Effect</th>
<th>Effect</th>
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<th>Effect</th>
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<td>Y. T</td>
<td>+4</td>
<td>+5</td>
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<td>+2</td>
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</tbody>
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Reactions as Biological Response Modifier of Heat-killed Enterococcus faecalis cells

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Purpose
The term biological response modifier (BRM) means the materials which generally enhance the immune competence in a living body. Heat killed cells or cellular components of Enterococcus faecalis among lactic acid producing bacteria, activate immunocytes such as neutrophils and macrophages because they have had BRM functions. The heat killed E. faecalis EF-2001 cells [EFH-201] were developed and applied by the bidigital O-ring test to ORT E-cocci (tablets), BeRM KAIN, Bio AMB and BeRM Bian (granules), and they have been supplied as healthy foods in markets. This presentation reports the effects of EFH-201 on elimination of exogenous Escherichia coli challenged, and of the water-soluble extract from EFH-201 on anti-tumors and analgesic in experimental animals.

Results
1) Exclusive effects of EFH-201 on exogenous E. coli challenged.
   (a) Mice were given EFH-201 mixed diet for a month, and then challenged orally at a single dose(3.5 × 10⁹ cfu) of streptomycin-resistant E. coli. The numbers of the E. coli in the feces were significantly reduced in 10% EFH-201 mice after oral administration, and thereafter decreased dose-dependently (table 1). (b) Mice fed EFH-201 mixed diet for 2 weeks were injected with 5 mg of cyclophosphamide. The mice were then infected with an intravenous injection of E. coli (1.0 × 10⁷ cfu). The viable numbers of E. coli in the liver were decreased significantly of 10% EFH-201 mice 48 and 72 hr after the injection. Therefore, EFH-201 had protective effects against exogenous E. coli infections.
2) Anti-tumor effects of the water-soluble extract from EFH-201.
   EFH-201 extract, when it was given intratumorally (1mg/mouse/day × 3 times), showed anti-tumor effects on Sarcoma 180 and Meth A fibrosarcoma (solid type) transplanted subcutaneously into the abdomens of mice (Fig. 1). The inhibitory ratios of tumor weights by the extract were 70.6 and 56.4% respectively, on day 26 after tumor transplantation.
3) Analgesic effect of the water-soluble extract from EFH-201.
   1000mg/kg of EFH-201 given orally showed an analgesic effect on writhing induced by stimulation of diluted-acetic acid administered intraperitoneally into mice (table 2). An analgesic efficacy of aspirin aluminium (500mg/kg) used as a positive control was 51.9% compared with vehicle, while that of EFH-201(1000mg/kg) was 75.8%.

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Anti-tumor effect of EH-201 extract on enlargement of Sarcoma-180 in mice.

Sarcoma-180 (1.7 × 10^6 cells) was inoculated subcutaneously into the abdomens of mice (n=8) on Days 0, 2, 4, and 5 after inoculation (shown by arrows in this figure). The tumor size was measured at indicated intervals.

* P<0.05 and ** P<0.01 (Significantly different from control.)

Table 1: Anti-tumor activity of EH-201 extract on Sarcoma-180 in mice.

<table>
<thead>
<tr>
<th>Group</th>
<th>Days after challenge of SM-resistant E. coli</th>
<th>CFU/g</th>
</tr>
</thead>
<tbody>
<tr>
<td>Control</td>
<td>4.8 ± 0.4 (n=5)</td>
<td></td>
</tr>
<tr>
<td>5% EFH-201</td>
<td>4.5 ± 0.5 (n=3)</td>
<td></td>
</tr>
<tr>
<td>10% EFH-201</td>
<td>3.4 ± 0.2 (n=2)</td>
<td></td>
</tr>
</tbody>
</table>

Mice were given 10% EFH-201 diet for a month, and then challenged orally with SM-resistant E. coli (3.5 × 10^7 cfu). The numbers of E. coli were examined at intervals in feces of mice. (Data are expressed as means ± standard error (S.E.) for 6 mice. *Significantly different from control at P<0.05 (•) and P<0.01 (**).)

Table 2: Effect of water soluble EFH-201 extract on writhing induced by acetic acid in mice.

| Group          | Dose (mg/kg) | Inhibition of writhing (%)
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Control</td>
<td>Aspirin aluminum</td>
<td>33.0 ± 4.0</td>
</tr>
<tr>
<td>EFH-201 extract</td>
<td>500</td>
<td>15.9 ± 4.6</td>
</tr>
<tr>
<td></td>
<td>1000</td>
<td>8.0 ± 3.8</td>
</tr>
</tbody>
</table>

Mice were injected with diluted acetic acid one hour after oral administration of the EH-201 extract or of aspirin aluminum. Then minutes later, the number of writhing mice were counted for 10 minutes in each mouse. * P<0.05 and ** P<0.01 (Significantly different from control.)
Case Report of Diagnosis and Treatments by using Reference Control Substances of Various Quantities

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2) Shimotsuura Clinic, Kurume City, Fukuoka, Japan

[Purpose] In Bi-Digital O-Ring Test (BDORT, 1977-2001), since Prof Omura, Y. in New York originally founded resonance phenomenon in same substances, clinical application of BDORT has been developed in various diseases. When Reference Control Substances (RCS) of the same quantity as a certain substance is held in the hand of the third party (mediator) in the organ of patients’ body, by the resonance phenomenon between the same substance that Omura, Y. discovered that the resonance phenomenon, where the O ring made by the mediators’ fingers, is pulled one directionally using even the weakest fingers of the examiner and opened easily. Authors have experienced one case of misdiagnosing the cancer progress by using normal quantity of RCS and another improving case instructed by the BDORT drug compatibility test by using low density of RCS ($10^{-24} \text{ g} - 10^{-8} \text{ g}$). So we would like to report here.

[Cases and Results]
(Case 1) 46 years old male, post-operative patient of colon cancer and metastasis in the lung
Authors usually use RCS of Oncogene C-fos Ab2 in diagnosing and mapping the abnormal parts of cancer patients by practicing BDORT imaging method. Normally we use 100ng to 1µg quantity of RCS of Oncogene C-fos Ab2. In the diagnosis of the advanced cancer patient, we use combination of several pieces of 1 µg RCS sheet. Figure 1 shows the mapping results of 100ng and 1 µg RCS sheet of Oncogene C-fos Ab2. However, to make the diagnosis correctly, we checked this patient with 15 µg of Oncogene C-fos Ab2 RCS sheet by gathering 15 pieces of 1 µg RCS sheet, because he had been already diagnosed as the metastasis of lung by Computed Tomography (CT) Examination. According to the thin unbroken line of Figure 1, the imaging area (15 µg) was expanded in high density even more Figure 1. To make more correct diagnosis, making the third person hold the undiluted solution (about 40 µg) of Oncogene C-fos Ab2, and did BDORT imaging method. The result was the thick unbroken line of Figure 2 and his cancer was suspected to be advancing. These results suggest us the importance of comparing both the result of the BDORT diagnosis and that of the present medical inspection of CT and X-rays, MRI etc. As this case indicates us, we should be very carefully in diagnosis of BDORT, because there might be the risk of misdiagnosis of the advanced cancer patient, although he has large cancer, when we use and diagnosis with only one RCS of regular quantity like this case.

Authors recently use RCS of the low density of 1ng ($10^{-9} \text{ g}$)~1yg ($10^{-24} \text{ g}$) in the drug compatibility test. The drug was given to the hand of the patient and the third person holds RCS
of low density. We determine the drug without opening the O-ring made by third persons’ fingers, by holding gradually lower dose of RCS from $1 \text{ ng}$ to $\mu\text{g}$ ($10^{-12} \text{ g}$), fg ($10^{-15} \text{ g}$), ag ($10^{-18} \text{ g}$), zg ($10^{-21} \text{ g}$), yg. We consider the drug without opening O-ring in lower density of RCS is more effective in his body. After checking each drug, then check the combination and compatibility of selected drugs. This patient was taking EPA/DHA 3T and Chinese parsley 6T as a good combination, but using our method the combination of these drugs were effective only with ng to $\mu\text{g}$. By changing the quantity of EPA/DHA from 1T to 4T, EPA/DHA was estimated to be effective, without opening the O-ring by holding RCS of low density ($pg \sim fg \sim ag \sim zg \sim yg$).

Now this patient is getting well.

CASE 2: 75 years old male. Liver and prostate cancer. Post-operative of stomach cancer.
The mapped resonance area in his liver by BDOR T imaging method by using RCS of Oncogene C-fos Ab2 (100ng, $1\mu\text{g}$) in December, 2000 of this patient is shown in Figure 3. As the result of drug compatibility test by using low density RCS, the combination of EPA/DHA and jyuzen-taiho-to (TJ48) was suggested to be effective with the dose of 1 fg to 10pg. So we instructed him to take these drugs. The imaging picture in January, 2001 is shown in Figure 4. The plural Oncogene C-fos Ab2 positive are was disappeared and only one place was positive. So our instruction of drug was suggested to be effective.

[Discussion]
1) As showing in this report, without checking with several different quantities of RCS or methods of modern medicine, there is a possibility of misdiagnosis of deciding no existence of cancer although cancer is advancing, or improving.
2) By using low density RCS kits, we can determine the more effective drug, even though the drug could not discriminate in usual matter as the examiner putting several fingers to the O-ring made by the third persons’ weakest fingers. We can check and determine the drug is effective, without opening the O-ring of third person by holding lowest dose of RCS in his hand, among all the candidate drugs. We would like to be re-examined this method by other people.

(References)

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Report with Regard to the Relationship between the Bi-Digital O-Ring Test
Objective Measurement Apparatus (ORT Tester)
and Electromagnetic Field Environment

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4) Kishimoto Apparatus, Fukuoka City, Fukuoka
5) Heart Disease Research Foundation, New York, U.S.A.

[Purpose] Shimotsuura, Y. and his colleagues have reported about the research of ORT Tester as the
objective measurement apparatus of Bi-Digital O-Ring Test (OMURA, Y. 1977-2001; BDORT) which
was founded and developed by Omura, Y. in New York. Among the researches about BDORT many
people have reported the importance of shield of electro-magnetic field (EMF) environment. Authors have
researched how much influence will be happened in measuring of ORT Tester through the EMF
environment. We would like to report about the experiments about ORT Tester and EMF environment.

[Objects & Methods]
1) Fundamental Experiment I : After adjusting the control curves of ORT Tester, turning on the switch of
television at the time of measurement condition. With pointing out the television monitor by his
index finger, the examiner measured the change of his muscle strength and open degree appearing in
ORT Tester by moving the distance with the television monitor 30-150 cm. Also, authors observed the
change of the ORT tester in the time that the examiner pointed at the fluorescent light of a ceiling. In
this experiment we have used S style adding pressure type ORT Tester which force is air, we have
reported since 1988.
2) Fundamental Experiment II: As well as the experiment I, moving the television monitor with the
distance of 30-150 cm. In this experiment, the examiner does not point out the television monitor, but
with natural attitude measures the change of his muscle strength and open degree through the
influence of EMF.
3) Clinical Experiment: Healthy 10 (2 males and 8 females) volunteer attended this experiment. At first
attendance have tried to adjust their finger condition to ORT Tester.
After three curves in control condition became one curve, experiment was performed.
Examiner has stimulated his organs (such as head, heart, stomach, colon, uterus, ovary etc.) by
himself with using stick and measured the changes and abnormal reaction in his organs by using
ORT Tester (Normal Measurement Condition). After that the television monitor was turned on and
kept with the distance of 40cm from the examiner. Everyone has stimulated their internal organs by
himself and measured the changes of the results of ORT Tester with this EMF condition and normal
condition.

[Results]
1) Fundamental Experiment □ : Measured values of electric field and magnetic field of the television
monitor and also ORT tester by using TriField® Meter is shown in Table 1. Normally we measure with
the distance over 1 m from the ORT Tester, the influence of EMF of the ORT Tester could be disregarded.
Experiment data the examiner pointed out the television monitor is shown in Figure 1. This result explains
that the abnormal reaction was appeared in 150 cm distance, apparently decline of muscle strength was
observed in 120 cm distance. Even if in the experiment with the distance of 60 cm with the fluorescent
light the muscular power decline was observed.
2) Foundation experiment □ : Without pointing out the television monitor, the examiner measured with
the attitude of normal measurement by putting closer the distance from the television monitor. This results
are shown in Figure 2. An a little bit open degree is going up in the distance of 90 cm. With the
distance of 60 cm the muscle power decline was observed and in the distance of 30 cm the muscular
power decline and also the rise of open degree were observed clearly.
<table>
<thead>
<tr>
<th>distance</th>
<th>Television monitor ELF V/M</th>
<th>milligauss</th>
<th>Monitor of ORT Tester ELF V/M</th>
<th>milligauss</th>
</tr>
</thead>
<tbody>
<tr>
<td>30cm</td>
<td>70</td>
<td>35</td>
<td>10</td>
<td>0.6</td>
</tr>
<tr>
<td>60cm</td>
<td>20</td>
<td>6.5</td>
<td>0</td>
<td>0.3</td>
</tr>
<tr>
<td>90cm</td>
<td>10</td>
<td>2.5</td>
<td></td>
<td>0.2</td>
</tr>
<tr>
<td>120cm</td>
<td>0</td>
<td>1.2</td>
<td></td>
<td>0</td>
</tr>
</tbody>
</table>

Table 1 relationship between the distance from monitor and measured value of EMF

As a result of measured 10 persons, 5 person were observed abnormal phenomenon, such as abnormal reaction in their organs, even though normal reaction by normal measurement, by using ORT Tester in the situation of putting closer the television monitor to the examiner. In these cases the possibility of misdiagnosis, even though the person was healthy. The kinds of organs observed abnormal reaction were such as the head, throat, stomach, heart, large intestine, ovary, and uterus. Although individual differences were existed, 1 to 4 organs observed abnormal reaction, as if misjudged as unhealthy or disease. About these 5 persons, with usual measurement, even the abnormalities in their organs were observed that the muscular power decline and open degree went up furthermore. Four people could not be observed abnormality in their organs even the usual measurement and even the influence of television monitor. As for another person, the abnormalities were observed in only 2 organs (the back of the head and lungs) under the situation of television monitor closer, even though the abnormalities were observed in 5 organs (the back of the head, throats, lungs, stomachs, hearts) with usual measurement.

[Discussion] The phenomenon that EMF influences the measurement results of ORT tester, as said and observed in BDORT Medicine. As the results of these experiments, if we use BDORT without protecting the influence of EMF, there exists the risk and possibility of misdiagnosis of describing normal organ as abnormal organ or disease. In these experiments 5 of among 10 persons were observed abnormalities in the normal parts under the circumstance of EMF, even though 4 persons could not be observed even any kind of changes.

There are possibilities that the result of ORT Tester was influenced by EMF-insensible persons and sensitive persons as the electro-magnetic hypersensitivity syndrome. Also, there may be such kinds of possibility of bias of not trained in using ORT tester and muscle fatigue, because each person stimulated several parts of his body.

(References)

3. SHIMOTSUURA Y et al., Kyomei Vol.2, No.5, 9-12,1988

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Two Cases of Articulatio Coxae Pain which Treated by Dental Occlusal Approach by means of Bi-Digital O-Ring Test

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Abstract

[Purpose] There is a close relation between the occlusal conditions and the systemic situations. Although there are many techniques in terms of occlusal treatment, effectiveness and side effects of them are not clarified yet. In this study, two case of articulatio coxae pain by dental occlusal approach by means of Bi-Digital O-Ring Test was tried.

[Subjects and Method] Two cases of articulatio coxae pain were treated by occlusal approach with only adjustment teeth by means of Bi-Digital O-Ring Test. The first patient was a middle-aged female who felt a pain in the right articulatio coxae with Patrick’s test. The second patient had hard pain in both sides of articulatio coxae during sitting position.

[Results and Discussion] Both treatments showed the excellent result. The first case, as soon as finishing the dental treatment, not only the symptom was disappeared, but also SLR (Straight Leg Raising) was improved. The second case, as soon as finishing the dental treatment, the symptom was dramatically improved. At present, the real mechanism between the occlusal situations and articulatio coxae conditions has not revealed yet. However malocclusion may be important causes of this ailment and Bi-Digital O-Ring Test may be very useful for determining the appropriate dental situations.

[Conclusion] The dental treatment especially occlusal treatment was very effective for two cases of articulatio coxae pain. In order to decide the appropriate occlusal situations, Bi-Digital O-Ring Test may be very available.

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Two Cases of PPP (Pustulosis Palmaris et Plantaris) improved by Dental Treatment

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Funabashi City, Chiba

[Purpose] After removing dental metals that cause allergy, we tried accumulating them exhausting from the patient’s body.

By the periodontal treatment, HSP (heat shock protein) that bacteria has in a mouth, will reduce.

The antibody level of Herpes Simplex Virus (HSV), Cytomegalovirus (CMV) are higher on ppp (pustulosis palmaris et plantaris) diseases.

Chinese parsley and DHA/EPA are very effective to ppp.

Case 1
A housewife 32 years old PPP disease

(Subjects) In 1999 the patient has scaly erythematous skin on the soles. In her oral there were 12 pieces inlay and crowns, periodontitis and tonsillitis. Since 1980 she has relapsed dermatitis, pollen allergy tonsillitis, and the trouble of taste with bitterness.

(Examination) We examined her by 16 kinds of metal patch tests in August. But it was unsuccessful. In October we tried it again. Copper, paradium, puratina and zinc were positive.

By Tokyo Dental Collage Microbiology Laboratory
Antibody sera titer ( ) normal
CMV 16(< 4) HSV 0.75
IgE 100 (<250)
HSP significantly higher

(Examination) Heat shock protein GroEL 270ng on oral and tonsils
CMV 500ng on oral and the soles
Allergy test Zn Mn Cr Cu Pd Pt were positive

(Examination) Heat shock protein Gruel in oral
CMV on the palms and soles

(Acknowledgement) Patch test are not effective if these volume are not enough and the season is sweaty.
We must care the volume should be not too little for B-D-O-T.

Case
A 57 years old housewife PPP disease

(Subject) In 1999 April, 57 years old housewife PPP disease
Sterile intrapidermal pustules and scaly erythematous skin on the palms and the soles. Periodontal disease and tonsillitis in her oral.
8 pieces of paradium crowns and 6 pieces of amalgams in her oral.

(Examination) Patch tests HAuC4, K2C5O7 were strong positive
PdCl2, SnCl4 were week positive
Ps bacteria (-) A.a bacteria (-) GroEL (+) Dnaj (-)
HSV - IgG, CMV - IgG were higher than normal

(B-D-O-T) Heat shock protein Gruel in a oral

(Treatment) Until December all metals were removed and changed to resin materials. Prescribed chin ease pertly and DHA/EPA. The disease improved very much.

(Acknowledgement) Patch test are not effective if these volume are not enough and the season is sweaty.
We must care the volume should be not too little for B-D-O-T.
Isolation and Identification of Bioactive Substances from *Polygonum tinctorium* Lour.

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**O-Ring Test Life Science Research Institute and Shimotsuura Clinic, Kurume, Japan

**Purpose** *P. tinctorium* Lour. is a well known plant which has been cultivated to produce indigo for staining cloth in Japan. Beside its use as a dye, it has also been used in oriental traditional medicine for detoxication, anti-pyrexia, anti-nociception and as an anti-inflammatory agent. In this paper, we report the isolation and identification of bioactive substances from *P. tinctorium* Lour.

**Materials and Methods** *P. tinctorium* Lour. was grown in Shimane prefecture and harvested. The fresh aerial parts of from *P. tinctorium* Lour. was minced and extracted with hot water or ethylacetate. The bioactive substances were fractionated with organic solvents and isolated by liquid chromatography according to anti-bacterial, cytotoxic and superoxide dismutase like activities. Isolated substances were identified by FAB-MS, $^1$H- and $^{13}$C-NMR analyses.

**Results**
1. Anti-*Helicobacter pylori* activities
   Using ATCC and clinical isolated strains, anti-*H. pylori* substances were purified from *P. tinctorium* Lour., which identified as tryptanthrin, kaempferol and methoxykaempferol$^1)$. The anti-*H. pylori* activities of these substances, expressed as the minimal inhibitory concentration, were 2.5, 39 and 39 μg/ml, respectively. Furthermore, it was proved that oral administration of tryptanthrin and kaempferol significantly decreased the numbers of colonies in *H. pylori* infected Mongolian gerbils’ stomachs$^2)$.
2. Cytotoxic effects on malignant tumor cells
   Tryptanthrin induced remarkable necrotic and apoptotic changes in the malignant tumor cells, such as human leukemia cell line (HL-60) and solid cancer cell lines (HGC and HLC)$^3)$. 
3. Protection against renal oxidative damage in mice caused by ferric nitrilotriacetate (Fe-NTA)
   The Fe-NTA-induced renal lipid peroxidation is known to be cause of renal carcinoma in rodents. Administration of ethylacetate extract of *P. tinctorium* Lour. via gastric intubation suppressed the renal lipid peroxidation$^4)$. This extract contained gallic acid and caffeic acid as anti-oxidants. The oral administration of gallic acid remarkably protected renal damage caused by Fe-NTA (Fig.1).
4. Anti-inflammatory effect
   Despite of beneficial role in host defense mechanism, excessive nitric oxide (NO) production by activated macrophages has been implicated in several inflammatory diseases. An ethylacetate extract of *P. tinctorium* Lour. markedly inhibited NO synthesis by murine peritoneal macrophages$^5)$. And more, tryptanthrin inhibited the expression of inducible NO synthase and the activity of cyclooxygenase which enzyme synthesizes prostaglandin E$_2$$^6)$. It was proved that the extract of *P. tinctorium* Lour. was effective on Candidiasis which was resistant against various antibiotics$^7)$.

**Conclusion** There are some kinds of bioactive substances, such as tryptanthrin, in the extract of *P. tinctorium* Lour. and it was supposed that these substances shows synergistic effect on various diseases.
References

Fig. 1 Effect of gallic acid on renal TBARS* induced by Fe-NTA at different administration doses in mice.

Normal: no administration of Fe-NTA
Cont.: administration of Fe-NTA
*thiobarbituric acid-reactive substances

Fig. 2 Effect of tryptanthrin on prostaglandin E_2 synthesis by interferon-α/LPS stimulated RAW 264-7 cells.
Cont.: induced by interferon-α/LPS
IM: 0.5 μM indomethacin (positive control)

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An Importance of Diagnosis of Cancer by Resonance Phenomenon by Means of Bi-Digital O-Ring Test rather than Visual Diagnosis

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1) Visual diagnosis:
For the purpose of making diagnosis of cancer, CT, MRI, echogram, endoscope, X-P, biopsy etc are commonly used in modern medicine, endoscopic examination & biopsy are given some physical stress for the patient instead of CT, MRI, echogram, X-P by those visual diagnosis made by doctor’s eye. In modern medicine, additional re-operation is used to be done some days after making pathological diagnosis when there is lymphatic metastasis & cancer invasion to the surroundings. It can, however, be made diagnosis of cancer very easily & bloodlessly by using Bi-Digital O-Ring test (Omura Y, 1977-2001; BDORT), when it is before operation or during operation.

2) Early finding of cancer energy recognized by BDORT before making clinical visual diagnosis:
Early stage of cancer are always appearing and disappearing according to age, immunity, life custom, etc., which depends upon immunity against power of cancer, and carcinoma-immune response gene against repressor gene. It can hardly be found cancer visually until hundred million unit of cancer cells are divided, but more earlier appearance of cancer energy be able to find and draw on the skin by BDORT.

3) Early finding of cancer energy after making clinical visual diagnosis:
After the regional lymph nodes swollen by cancer are healed both original cancer and lymph nodes by some treatment such as unconventional therapy, which are recognized by BDORT, varies several forms such as enlargement, reduction, ellipse etc. In these stage of duration, visual diagnostic method by means of CT, MRI must be made diagnose “malignant”. Dead tumor which is lost energy or activation of cancer recognized by BDORT would be gradually disappeared afterwards.
For instance, already non activated sigmoid tumor recognized by BDORT, which looked like malignant by visual diagnosis, are seen sliced surface made by daily stool excretion. The pathological diagnosis of sample taken from the non activated sigmoid tumor recognized by BDORT, is “Adenocarcinoma”, therefore, comparing test about cancer-activity by BDORT on both primary pathological sample and latest sample were done. Very interesting and important fact was found that the former has carcinoma-activity and non of the latter.

4) Conclusions:
Nowadays, ordinary pathological result is absolute and final diagnosis, but we should try to additional check on the pathological sample diagnosed “cancer”. By BDORT because of having two important meanings, one is activating cancer another one is no activating. If we are trying to change diagnostic method from visual diagnosis to resonance diagnosis by BDORT, many unnecessary treatment probably used to be done in conventional therapy by this, would be able to avoid by BDORT.
Fig.1  60 years old female. Cancer of sigmoid colon

Fig.2  Zero conversion of cancer energy 40 days after the unconventional treatments recognized by BDOT. About 6 months afterwards, endoscopic examination showed sliced surface of the tumor which might be due to daily stool excretion.

Fig.3  Pathological sample of Fig.2 showed “Adenocarcinoma”

Fig.4  Compare test about cancer – activity by BDORT on the pathological sample of Fig.1 with of Fig.2. The former has carcinoma – activity and non of the latter.