

# ABSTRACTS

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**&**

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**&**

**Office of International Bi-Digital O-Ring Test Medical Societies**

**(e-mail: [info@bdort.net](mailto:info@bdort.net), TEL: +81-942-38,4181, FAX:+81-942-37-4131)**

# **BDORT Evaluation in COVID-19 Cases: Researching Severity Markers and Predictive Indexes**

**PRADO P de A., MD** Master in General Surgery; Acupuncture and Integrative Medicine Specialist; Director of AMBBDORT; Head of the Integrative Medicine Outpatient Clinic of ACL Foundation

**IWASA, S, M.D., Orthopedist, F.I.C.A.E, Cert. ORT-MD (4 Dan) \***; Specialist Integrative Medicine; President ACL Foundation (in São Paulo, SP, Brazil)

(Correspondence: pprado999@gmail.com)

## **Summary**

### **Background**

The number of patients with COVID-19 is increasing dramatically worldwide. Early recognition of severe forms is essential for the timely screening of patients. Various laboratory parameters are used to assess the severity of the disease and rational screening. Low lymphocyte counts and serum levels of CRP, D-dimers, ferritin, cardiac Troponin I, and IL-6 are often used in risk stratification to predict severe and fatal COVID-19. But the number of biomarkers investigated for this purpose is enormous, which proves that this is an unresolved problem. The evaluation by BDORT can contribute enormously to the early identification of severity and is superior to conventional laboratory assessment. It is necessary to advance this line of investigation because there is a significant gap in the medical literature on this subject.

### **Methods**

Thirty patients with suspected symptoms of COVID-19 or who had contact with contaminants were evaluated. As evaluations were carried out on photos of the patients. The viral load of SARS-CoV-2 and sixty-nine Reference Control Substances (RCS) were measured. The resonance phenomenon between identical substances is widely used in BDORT and we use it working from microscopic images of the etiologic agent to estimate viral load. Presence and rate of arteritis and the occurrence of contamination by Prevothella and Porphyromonas were also evaluated. The evaluation of patients at a distance through photos is not a strange practice to BDORT and during the pandemic, it becomes a valuable resource to respect social distance. The evaluation is made on printed photos and description of imagings, parameter measurements and selection of drugs are noted in these photos. Clinical decision and patient follow-up were based on these measurements and their evolutionary course.

### **Findings**

Among the evaluated parameters that proved to be severity markers were viral load, arteritis rate, IL-6, PCR, Integrin  $\alpha_5\beta_1$ , Thromboxane B2, DHEA, CPK, Homocysteine, BNP, ANP, PAI, Troponin, contamination by Prevothella and Porphyromonas, rate of subclinical infection by other etiologic agents, acetylcholine.

### **Interpretation**

In addition to imaging patterns and drug selection, the measurement of biomarkers performed by BDORT shows a rational convergence with conventional medical knowledge, but goes beyond it. BDORT-oriented treatment adds tremendous value to the treatment of COVID-19 because it ensures safe and early clinical decisions adjusted online over time.

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Therapeutics Res., Int. J., Vol 16, pp53-64, 1991.

## **Cardiovascular Impairment Markers Assessed by BDORT during the COVID 19 Pandemic.**

**Rahme, R C L R, M.D.** Physician, Specialist in Pediatrics (AMB), Postgrad in Homeopathy (APH), Phytotherapy (UNISINOS) Integrative Medicine (UNIUBE) and practitioner of Anthroposophical Medicine certified by the Medical Section in the Goetheanum, Switzerland.  
Director of Brazilian Bi-Digital O-Ring Test

(Correspondence: e-mail: rita.rahme@yahoo.com.br)

### **ABSTRACT**

In order to assess the degree of systemic and notably cardiovascular involvement by SARS-Cov-2, 24 patients aged 1 to 65 years were evaluated using the BDORT technique performed on photographs of people with recent symptoms or who had contact with people with COVID-19. The results obtained show that the virus was present in 100% of those evaluated; the markers of acute inflammation, myocardial injury and positive resonance for arteritis also showed elevation in 100%, 95% and 95% of cases, respectively. These data suggest that the effects of SARS-Cov-2 on the population may be broader, multisystemic and prolonged than has been considered to date and justify the clinical follow-up for detecting sequelae in the medium and long term.

# Evaluation using BDORT Resonance Phenomenon between Two Identical Substances of H5N1, H1N1 and SARSCOV2 VIRUSES.

**VEGA, F. A. V. V.; M. D.**; Clinical Doctor, FAMEPP 2016; Acupuncturist, FMUSP 2020. Medical Thermologist, Titled by Abraterm 2019. Member of the Brazilian Association of Medical Thermology; Voluntary doctor and Medical Researcher at ACL Foundation.

**IWASA, S, M.D., Orthopedist, F.I.C.A.E, Cert. ORT-MD (4 Dan)\***; Specialist Integrative Medicine; President ACL Foundation (in São Paulo, SP, Brazil)

Correspondence: [flavioaugustovega@gmail.com](mailto:flavioaugustovega@gmail.com)

## ABSTRACT

On March 11, 2020, the World Health Organization had a pandemic caused by COVID-19, which promoted an instruction in the interpretation of the disease, as well as in its conduct in assessment, prevention, and therapy. Currently the origin of the pandemic is doubtful the evolution of the virus, spread and approach. In 1997 the H5N1 virus, Influenza A, was very virulent, and some studies believe that its etiology is questionable. The Bi-Digital O-Ring Test (BDORT) is a technique that is based on the alteration of muscle tone resulting from the identical resonance, being thus useful in the evaluation in the measurement of tumor markers, interleukins, bacteria, viruses, fungi, as well as accurate in the evaluation organic function. In this present work, we will use the BDORT technique to assess a viral resonance of the SARS-CoV-2, H5N1 and H1N1 viruses against 16 other viruses, containing 1 ng, through the BDORT slide. In this present work, we applied BDORT to investigate the presence or absence of monoclonal antibody resonance from 16 viruses that we have compared as images of the SARS-CoV-2, H5N1 and H1N1 viruses.

**Key-words:** SARS-COV-2, H5N1, H1N1, BDORT

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# RESONANCE FOR COVID-19 EVALUATED BY BDORT IN OBSTETRIC ULTRASOUND EXAMINATIONS

**HONDA, M. I. K.; M.D.;** Radiologist; Acupuncturist;

**IWASA, S, M.D.,** Orthopedist, F.I.C.A.E, Cert. ORT-MD (4 Dan) \*; Integrative Medicine; President ACL Foundation (in São Paulo, SP, Brazil)

**PRADO P de A., MD;** Master in General Surgery, Specialist Acupuncture and in Integrative Medicine. Director of AMBBDORT. Head of the Integrative Medicine Outpatient Clinic of ACL Foundation

**Correspondence:** [mariairene.honda@gmail.com](mailto:mariairene.honda@gmail.com)

## Summary:

**Background:** Previous studies on the pneumonia outbreak caused by the 2019 novel coronavirus disease (COVID-19) were based on information from the general population. Limited data are available for pregnant women with COVID-19 pneumonia. This study aimed to evaluate BDORT assessment of obstetric ultrasound examinations during COVID quarantine.

**Methods:** Obstetric ultrasound examinations performed on 23 patients with different gestational ages from May to September 2020 in an outpatient clinic during quarantine by COVID 19 in São Paulo, Brazil were analyzed.

The BDORT assessment of the New Coronavirus viral load and several RCS, such as Interleukin-6, PCR, Telomere, Integrin  $\alpha_5\beta_1$ , Sirtuin 1 and Thromboxane B2, was performed. The following sites were chosen as the target for measurements: fetal brain and heart, amniotic fluid and placenta.

## Findings:

There was a high viral load of the New Coronavirus and increased inflammatory parameters in all measurement sites. Fetal Telomere rates showed elevated levels as expected.

## Interpretation:

The findings of this small group of cases suggest that there is evidence of intrauterine infection caused by vertical transmission in pregnant women exposed to environmental contamination during quarantine by COVID-19.

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# Neuropathy of the Optical Nerve, and the BDORT. Case Report

**Tanaka, M.H., M.D.** Ophthalmologist, Acupuncturist, Director of OHM Clinic,  
**Iwasa, Sumie, M.D.**, Orthopedist, Integrative Medicine, F.I.C.A.E, Cert. ORT-MD (4 DAN)  
(Correspondence: Address: Rua Capitão Cavalcanti, 297, São Paulo, SP, CEP 04017-000  
e-mail: [minamitanaka@hotmail.com](mailto:minamitanaka@hotmail.com), [ambbdort@gmail.com](mailto:ambbdort@gmail.com))

## The case report:

VLSC, female, 62 years, cefaleia and loss of quality of right eye vision 8, jun,2020. No complain of fever or infection conditions. She has at neuro-ophthalmologist and confirm a loss of visual field on right eye and a diagnosis of Neuropathy of Optic nerve. We performed a BDORT evaluation of this case. Mapping optic nerve, optic chiasma, and optic tract to the lateral geniculate nucleus. The examination show: very low Vitality parameters; high amount of resonance of many microorganisms such as *Candida albicans*, *Chlamydia trachomatis*, Herpes virus, Covid-19; high levels of inflammatory parameters.

**Key words:** optic nerve, cranial nerve II, CN II, optic chiasma, lost visual field, neuropathy, inflammatory disease, BDORT

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## **Imaging Patterns at COVID-19: Drawing a New Pathology by BDORT technique**

**IWASA, S, M.D.**, Orthopedist, F.I.C.A.E, Cert. ORT-MD (4 Dan) \*; Specialist Integrative Medicine; President ACL Foundation (in São Paulo, SP, Brazil)

**PRADO P de A., MD** Master in General Surgery; Acupuncture and Integrative Medicine Specialist; Director of AMBBDORT; Head of the Integrative Medicine Outpatient Clinic of ACL Foundation

**VILELA G, MD**, Graduated at the University of Sao Paulo (USP), Brazil in 1997. Residency in Internal Medicine and Hematology (USP); Physician of the French Program of Residency (Collège de Médecine des Hôpitaux de Paris), France.; Specialization in Hematology at Pierre et Marie Curie University (Paris VI) – France.; Residency in Bone Marrow and Cord Blood Transplantation at Hospital Saint Louis, Paris – France.; Diploma of Cell Therapy from University Paris Diderot University (Paris VII) – France.; Fellowship in Integrative Medicine at the University of Arizona, USA.; Post graduate certificate in Ozone therapy, Rey Juan Carlos University, Madrid, Spain.; Training course in Adaptive Neuro Psycho Physiopathology and Neuropsychophysical optimization by REAC technology at the Rinaldi Fontani Institute in Florence, Italy. Coordinator of a medical postgraduate course on Integrative Practices in Oncology, FAPES-Sao Paulo

(Correspondence: pprado999@gmail.com)

### **Summary**

**Background** Imaging is an essential practice in patient care by BDORT. It is fundamental to define the areas of electromagnetic anomaly for their treatment. Over time we have been able to accumulate substantial experience related to imaging patterns in various pathologies and to the most common microbiological agents and contaminants found in these areas. During the pandemic, we noticed that different patterns in patient imaging had emerged. We believe that the recognition of these patterns and the improvement of this study will contribute to the enlightenment of this controversial subject so that we can find the best ways to face this pathology of the new times. The description of several imaging patterns that we are usually recognizing during the pandemic is the purpose of this presentation.

**Methods** The resonance phenomenon between identical substances is widely used in BDORT and we work based on this using microscopy images of the etiologic agent in different quantities, ranging from 1 to 200000 units, to estimate the viral load. Using the same principle, we also use images from *Prevotella* sp; vitrification lesions, histological images of arteritis and others. We also measured sixty-nine RCS parameters. The evaluation is done in printed photos of the patients and the records of the imaging patterns, measurement of RCS parameters and drug selection are written in these photos. The assessment of patients at a distance through photos is not a strange practice to BDORT and in the context of the pandemic it becomes even more valuable because it respects social distance. The sequential assessments documenting the evolution are archived and can at any time be the object of new studies and shared to exchange information.

**Findings** We present photographic documentation of several cases of patients infected by SARS-CoV-2 and the respective areas of electromagnetic anomaly in several body locations, such as heart, liver, kidneys, and brain. Viral load for SARS-CoV-2, presence, and rate of arteritis and sixty-nine RCS parameters were measured. In some cases, we present the evolution in a sequence of photos. **Interpretation** We consider that arteritis is an essential aspect in the pathophysiological process in

COVID-19 and can be found in varying degrees in the different areas of the body involved in this group of patients studied.

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# COVID-19 ENCEPHALOPATHY: CHALLENGES FOR POST-PANDEMIC TIMES

**IWASA, S, M.D., Orthopedist, F.I.C.A.E, Cert. ORT-MD (4 Dan) \***; Specialist Integrative Medicine; President ACL Foundation (in São Paulo, SP, Brazil)

**PRADO P de A., MD**; Master in General Surgery, Specialist Acupuncture and in Integrative Medicine. Director of AMBBDDORT. Head of the Integrative Medicine Outpatient Clinic of ACL Foundation

**TANAKA, M H M.D.** ; Ophthalmologist, acupuncturist; Director of AMBBDDORT; Volunteer doctor at the Integrative Medicine Ambulatory of the ACL Foundation

**Correspondence:** [Sumie.iwasa@gmail.com](mailto:Sumie.iwasa@gmail.com)

**Abstract:** I have been treating patients with neurological and neuropsychiatric syndromes of unknown etiology for some years. The signs and symptoms can range from peripheral disorders such as pariahs / paresthesia's of the extremities or affecting the scapular, pelvic girdles (some similar to myopathies); cognitive changes and dementia.

In this year of 2020, during Pandemic the frequency of patients with Inflammatory Brain Syndrome increased significantly.

In the examination of the cephalic segment by the Virtual Test through BDORT, we find deposits of heavy metals, the presence of numerous microorganisms, alteration of the microcirculation, reduction of neurotransmitters and inflammatory markers. When investigating resonance for SARS-COV-2 (COVID-19), the virtual test reveals a high viral load (measured in units of coronavirus-UCV images); High index of cerebral vasculopathy (resonance obtained with images of cerebral vasculitis);

**Purpose of the presentation:** Identification of the inflammatory brain condition (encephalitis) and treatment instituted through BDORT

## **Material and method:**

1. Patients with varied signs and symptoms; some associated with dermatitis; covering all age groups. Children, teenagers with more agitated and aggressive behavior. Associated complaint more frequent headache, distraction, extreme tiredness/fatigue, anxious and depressive symptoms; difficulty concentrating, difficulties with recent memory, unjustified aggression, delusions, etc. (All negative for PCR; serology Covid)

2. Mapping the cephalic segment of these patients. Inflammation of the internal carotid artery (resonance with the human histological lamina of the spleen) and vertebral arteries (resonance with the gallbladder lamina) is observed

3. Therapeutic approach:

### 3.1 Medication:

A. The Natural antivirals (Omega-3, propolis, herbal medicines); coriander, anti-inflammatories - DHEA, arnica, antioxidants, Vit D3, Prebiotics, alkalizing foods

B. Ivermectin comp 6mg or 5CH homeopathic formula; (as anti-inflammatory 200 or 400 mg) or 5CH homeopathic formula

### 3.2 Procedures:

A. Acupuncture, moxa, Ionic pumping with Manaka cables, Infiltrations with Traumeel's + Lidocaine2% or Procaine2%

B. Selective drug capture method: digital pressure in the representative areas of the organs; Use of Red Laser or Led on body areas, etc.

**Key words:** viral encephalopathy, SARS-COV-2 (COVID-19), vasculitis; Selective Drug Uptake Method, Acupuncture, Ivermectin, Hydroxychloroquine

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# Thymus Dysfunction in Individuals with Resonance for the New Coronavirus

**IWASA, S, M.D.**, Orthopedist, F.I.C.A.E, Cert. ORT-MD (4 Dan) \*; Specialist Integrative Medicine; President ACL Foundation (in São Paulo, SP, Brazil)

**PRADO P de A., MD** Master in General Surgery; Acupuncture and Integrative Medicine Specialist; Director of AMBBDORT; Head of the Integrative Medicine Outpatient Clinic of ACL Foundation

(Correspondence: [pprado999@gmail.com](mailto:pprado999@gmail.com))

## Summary

**Background** Among the unusual aspects of the COVID-19 pandemic, we can highlight the strange behavior of this disease related to the development of immunity and the lack of a precise diagnostic method within the scope of conventional medical resources. The importance of the thymus as an organ that remains active in adults and continues to have an important immune function has been emphasized by Prof. Omura since the beginning of the development of BDORT. When providing care to patients during the pandemic, we found frequent changes of the thymus imaging and we consider this a newsworthy finding. The search for understanding this phenomenon motivated the present investigation.

**Methods** Thirty patients were evaluated during the COVID-19 pandemic. All evaluations were carried out on photos of the patients. The thymus imaging procedure was performed with and without the histological slide of the thymus in the photos, obtaining two contours: the drawing obtained with the histological slide of the thymus was called "anatomical thymus" and the other represented the opening response or not of the thymus to BDORT. We call this last representation "functional thymus". Viral load of SARS-CoV-2 and 69 Reference Control Substances (RCS) were measured over the anatomical thymus region. For the focus of this presentation, the values found for Thymosin  $\alpha 1$ , Thymosin  $\beta 4$  and inflammatory parameters were considered. The resonance phenomenon between identical substances is widely used in BDORT and we use it working from microscopic images of the etiologic agent to estimate viral load. The evaluation of patients at a distance through photos is not a strange practice to BDORT and during the pandemic, it becomes a valuable resource to respect social distance. The evaluation is made on printed photos and description of imaging's, parameter measurements and selection of drugs are noted in these photos.

**Findings** The contour of the "anatomical thymus" (obtained with the resonance of histological tissue of the thymus) was as expected. Regarding the "functional thymus", we observed the occurrence of non-opening of the thymus, unlike the normal response of its opening to BDORT or a decrease in the size of the area with a preserved functional response reaching in some cases the punctiform thymus. We found decreased values and, in some cases, extremely low values of thymosin in this dysfunctional thymus. Elevation of inflammatory parameters was also frequently observed. Interpretation During the pandemic, the morphological and functional abnormalities of the thymus that we found may suggest immunomodulation disorders and could be related to impaired immune response competence. This phenomenon helps to explain certain inconsistencies in laboratory tests and disease recurrences observed in various parts of the world.

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## **Acupuncture for Acute Non-specific Low Back Pain: A Randomized, Controlled, Double-blind, Placebo trial**

**Alexandre Massao Yoshizumi, MD, Master's degree from the Faculty of Public Health at the University of São Paulo – USP**

Vice-President of the São Paulo Medical College of Acupuncture - CMAESP

Director of the Brazilian Medical College of Acupuncture - CMBA

**Tatiana Molinas Hasegawa, MD, Master's degree in Rheumatology at the Federal University of São Paulo**

**Andréia Salvador Baptista, PT, Master's degree in Rheumatology at the Federal University of São Paulo**

**Jamil Natour, MD, PhD and Professor in Rheumatology at the Federal University of São Paulo (Correspondence: E-mail: [massaoy@me.com](mailto:massaoy@me.com), Author Affiliations: Rheumatology Division of Universidade Federal de São Paulo (UNIFESP)-São Paulo/Brazil and Brazilian Medical College of Acupuncture (CMBA))**

### **ABSTRACT**

**Context** Acute non-specific low-back pain (ANLBP) is a condition not attributed to a specific disease, persisting for less than 6 weeks.

**Objective** To evaluate the effectiveness of Yamamoto's method of acupuncture called Yamamoto New Scalp Acupuncture (YNSA) on pain, functional status, quality of life and number of anti-inflammatory tablets taken on patients with ANLBP.

**Design, Setting, and Participants** A randomized, controlled, double-blind, placebo trial in which 80 men and women in São Paulo, Brazil with ANLBP were enrolled in the monthly acupuncture program between October 2009 and March 2010.

**Intervention** Forty participants were randomly assigned to five acupuncture sessions, the intervention group (IG); and 40 participants to five non-penetrating acupuncture sessions, the placebo group (PG). Patients were evaluated before and after the sessions at baseline, 3, 7, 14, 21 and 28 days.

**Main Outcome** Change in visual analogue scale for pain that was measured before (VAS 1) and after intervention (VAS 2). Secondary outcomes were Roland-Morris Disability Questionnaire (RM); SF-36; LIKERT scale and number of anti-inflammatory tablets taken.

**Results:** Eighty patients completed the study. The IG improved significantly in the following outcomes: VAS 1 and RM on Days 14, 21 and 28 ( $p < 0.05$ ); VAS 2 at all times ( $p = 0.007$ ); SF-36 functional capacity (Days 21 and 28;  $p < 0.05$ ), limitation in physical aspects (all times;  $p = 0.02$ ), pain (Days 14, 21 and 28;  $p < 0.05$ ) and vitality component (Days 14, 21 and 28;  $p < 0.05$ ). The IG also took significantly fewer anti-inflammatory tablets than the PG ( $p = 0.004$ ) at all evaluation times and was better than PG for LIKERT scale ( $p < 0.001$ ).

**Conclusions:** Acupuncture was more effective than placebo treatment regarding a decrease in pain and anti-inflammatory drug intake as well as improving functional status and quality of life.

**Trial Registration** [clinicaltrials.gov](http://clinicaltrials.gov) Identifier: [NCT01124955](https://doi.org/10.1136/acupmed-2013-010333)

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# Auricular Chromotherapy in the Treatment of Psychological Trauma, Phobias and Panic Disorder

**Alexandre Massao Yoshizumi MD, Master's degree from the Faculty of Public Health at the University of São Paulo – USP**

Vice-President of the São Paulo Medical College of Acupuncture - CMAESP

Director of the Brazilian Medical College of Acupuncture - CMBA

**Fabiola Luz MD, PhD in Experimental Psychology, University of São Paulo - USP**

**Daniel Asis MD, Anaesthetist, Pain Management**

**(Correspondence:** E-mail: [massaoy@me.com](mailto:massaoy@me.com), **Author Affiliations:** Rheumatology Division of Universidade Federal de São Paulo (UNIFESP)-São Paulo/Brazil and Brazilian Medical College of Acupuncture (CMBA))

## ABSTRACT

Auricular chromotherapy has shown promising results in the treatment of psychological trauma and anxiety disorders, such as phobias and panic attacks. With its relatively easy and quick technical application, this procedure could be an indispensable tool for physicians. However, its mechanism of action is not yet understood completely.

**Objective:** To treat patients suffering from trauma, phobia, and panic attack with auricular chromotherapy.

**Materials and Methods:** The protocol\* was applied on 160 patients (135 who experienced traumas; 15 patients with specific phobias and 10 patients with panic disorders). There were 134 women, 26 men, ages 20–60. Results: The treatment showed a 93% positive response.

**Conclusion:** This procedure shows the possibility of drawing a path from the external ear to traumatic memories, anxiety disorders and phobias.

## Keywords

Auricular Acupuncture; Auriculotherapy; Chromotherapy; Psychological Trauma; Phobia; Panic attack.

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## The Protocol\*

Afterwards, with Dr. Frederico Zarragoicoechea, the following protocol was created:

1. Both lobes are palpated, in order to find the most painful points or two points that might be painful.
2. Then the patient is asked to close his/her eyes and try to remember the most terrible image of the trauma (fear or panic) for at least one minute.
3. Generally, if the trauma is older than 6 months, the left ear is more painful during palpation (the opposite is true for left-handed people).
4. After that, the patient is asked to tell which emotion accompanies the image (is it anxiety or sadness?) and describe the intensity of this emotional perturbation on a scale of 0-10, which is called the SUDS Scale (Subjective Unit of Distress Scale).
5. The patient then tells which negative words or thoughts accompany the image, for example "I will never overcome his/her death" (Negative Cognition).
6. The patient is asked which body sensation is linked to the emotion (e.g. pressure in the chest).
7. The sensitive points are then detected using a pressure probe (painful points) or electronic detection.
8. Next, these points are colored with a yellow fiber pen (2 - 3 points) and the patient is asked to maintain the traumatic image in his/her mind. Facial expressions, respiration and gestures are observed.
9. It is then recommended to have the patient breathe deeply 5 times.
10. After 2 minutes the patient is asked to describe the image. Generally, the image will blur or even disappear.
11. Measure once again with the help of the SUDS scale, which should give a very low score (0 - 2).
12. The patient is then asked which Positive Cognition or Positive word accompanies the newly obscured image ("I can overcome his/her death", for example). Observe if any disturbing body sensation remains.

# TREATMENT OF CHRONIC OSTEOARTICULAR INFECTION

**HARA, C. L.; M.D. ;** Acupuncturist, Family Medicine; Home Care.  
Address: Rua Antonio Barbosa, 180; Mogi das Cruzes - SP – BR; 08715-260  
(Correspondence: [cintiahara@yahoo.com.br](mailto:cintiahara@yahoo.com.br))

## ABSTRACT

Chronic Osteomyelitis consists of infection of the bone for more than a month, caused by bacteria, fungus or mycobacteria and represents the important health problem in Brazil due to its high prevalence, low cure rate and patient disability. This work has a process of reporting a case of Chronic Osteomyelitis after surgery of right knee arthroplasty in a healthy elderly woman and a case of Chronic Sacral Osteomyelitis due to pressure ulcers in an elderly person with Parkinson's Disease, both being treated by BDORT, both being treated by BDORT with reduced improvement soon.

**Key-words:** Osteomyelitis; Chronic Osteomyelitis, Chronic Osteomyelitis Treatment; BDORT.

# ANALYSIS OF BIOLOGICAL AND CHEMICAL CONTAMINANTS IN DIFFERENT RETAIL CHICKEN EGGS

**Jojima, K.L.; M.D.**, Pediatrician, Acupuncturist, Allergist/Immunologist  
(Correspondence: [katiajokima@gmail.com](mailto:katiajokima@gmail.com))

## **Abstract:**

**Objective:** To evaluate the presence of biological and chemical contaminants in the yolk and albumen of chicken eggs from different retail suppliers in Southeast Brazil. Furthermore, we suggest a quality score to sort the best eggs for human consumption.

**Material and Methods:** Different types of chicken eggs (cage-free, organic and barn eggs) from different suppliers were analyzed in their raw and cooked forms for the presence of biological and chemical contaminants using the Bi-Digital O-Ring Test (BDORT) method. Monoclonal antibodies slides (Reference Control Substance - RCS) were used to test the samples for the presence of various microorganisms. Slides from chemical contaminants, IL-6, C-reactive protein, substance P and vitamin B12 were used for detection of these substances by the same method. Egg yolk and albumen were tested separately for raw and cooked eggs in a sequential manner. Statistical analysis was performed using Excel (Microsoft corp., Redmond, WA, USA).

**Findings:** Of the ten groups of eggs tested, just one (cooked organic egg) had no resonance for any microorganisms. The remaining samples had at least one microorganism contaminant. *Campylobacter* spp. was detected in 40% of raw eggs and 40% of cooked eggs' yolk and 60% of cooked albumen. *E. coli* EHEC was found in 20% of the raw yolks and 80% of the raw albumen. There was no resonance for *E. coli* in cooked yolk, but 40% of the cooked albumen was tested positive. *Salmonella* spp. were not found in the samples (yolk and albumen) both raw and cooked. At least one chemical contaminant was detected in 95% of the analyzed samples. Asbestos, mercury, lead, aluminum, arsenic, melamine, polychlorinated biphenyls (PCBs) and dioxin were identified in all raw egg samples. Inflammatory substances were not found in the sample. Vitamin B12 had higher values in yolk than albumen in 95% of the tests and had higher values in less contaminated eggs.

**Conclusions:** Various microorganisms and chemical contaminants were detected in most of the retail eggs tested. In this context, the BDORT method may pose a helpful

tool for food safety screening. The use of a quality score derived from the analysis of harmful substances and vitamin B12 may further improve this selection. Due to small sample size and study design further research is necessary.

**Keywords:** chicken eggs, BDORT, food safety, food contaminants, *Salmonella* spp., *Campylobacter* spp., *E. coli* (EHEC)

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## **Oral Interference Fields**

**Camargo, L B;** Dentistry (Sao Paulo University)- 1980; Specialization in functional jaw orthopedics - Cresp – 2003; Specialization in Acupuncture and Chinese Medicine - Cresp – 2012; Specialization in Quantum Medicine – 2018; Specialization in Neurology – 2016; Ozone Qualification - Cresp – 2018; Master in Neural therapy - 2018

(Correspondence: [E-mail:laniecamargo@hotmail.com](mailto:laniecamargo@hotmail.com))

### **ABSTRACT**

Are histomorphology and biochemical changes in the tissue, which generates important effects on cybernetic levels and with, as an initial functional injury, the disturbing effect persists, leads to definite organic injuries of different nature and locations in the body tissues, causing potential damage. Different clinical cases will be presented to illustrate this effect.

Caries, amalgam restorations, implants, metal crown, apical lesions, gingival problems, removable metal prosthesis, root canal treatment, snoring and apnea, fixed orthodontics, dental absences, and Nico.

**Key word - oral interference fields**

## **Enhanced Addiction Management Using BDORT Acudetox Ear Protocol**

**Harsha Duvvi M.D., MPH, F.I.C.A.E., Cert. ORT-MD (4 Dan)**

Clinical Assistant Prof., Dept. of Family and Preventive Medicine, New York Medical College, Valhalla, NY; Visiting Associate Professor of Integrative Medicine, Int'l College of Acupuncture & Electro-Therapeutics

(Correspondence: e-mail: [hduvvi@gmail.com](mailto:hduvvi@gmail.com))

### **Abstract:**

Addiction is simply defined as the pathological pursuit of pleasure. The incidence of addiction has risen significantly. There are different types of addiction ranging from chemicals such as alcohol, opiates, cocaine, amphetamines, marijuana and even sugar. Other types of addiction are more psychological such as social media, shopping, gambling, and pornography addiction. They all eventually cause increased pleasurable dopamine release through the nucleus accumbent, VTA, and the amygdala in the brain. This can be regulated with auricular acupuncture.

Dr Yoshiaki Omura initiated the initial ear protocol for addiction treatment in the early 1970's at Lincoln Hospital in NY City. His student Dr. Michael Smith refined the technique that later became widely accepted as the NADA Protocol (National Acupuncture Detoxification Association). This presentation will discuss a more accurate point localization using the BDORT test using the NADA protocol points. This can help with release of naturally occurring opiates such as endorphins and enkephalins that reduce cravings for pleasurable substances immediately. This can reduce the time for treatment of sympathetically mediated cravings that occur during withdrawal period. This can help with the smooth transition to the use of Medication Assisted Therapies as opposed to waiting for a high clinical opiate withdrawal scale reading before treatment is started.

This form of enhanced BDORT Acudetox has been shown to significantly decrease cravings for alcohol and drugs, withdrawal symptoms, relapse episodes, anxiety, insomnia, and agitation. It helps facilitate relationships with self and others irrespective of client's level of motivation. It also helps improve the effectiveness of other withdrawal and rehab program components. In addition, it helps to integrate different aspects of the body, mind, and spirit of an individual. The technique is easy to learn, cost effective and an efficient way of controlling cravings.

# **Using Bi-Digital O-Ring Test (BDORT) as a Tool to Create Diagnostic Testers for Diagnosis and Natural Products as a Developing Protocol for Treatment of Covid-19 Infection, from SARS-Cov-2**

## **Momir Dunjic, MD, Ph.D., F.I.C.A.E., Cert MD-ORT (4DAN)**

Associate Prof of Ob/Gyn & Integrative Medicine, School of Medicine, School of Dentistry, University of Pristina., Faculty of Pharmacy, Novi Sad, Faculty of Health Science, AMEU-ECM Maribor, President of Serbian Association of Integrative Medicine, President Serbian Acupuncture Section of Serbian Medical Society, Serbia – Slovenia

## **Stefano Turini, MBioLSc, Ph.D.,**

Senior Lecturer in Biochemistry and Microbiology, School of Physiotherapy, AMEU-ECM University, Maribor, Koper, Project Manager UNIQUE Treatments, Belgrade, Serbia, Italy-Slovenia-Serbia

## **Dejan Krstic, Ph.D.,**

Prof at Faculty of Environmental Safety, University of Nis, Serbia. President of Non-Ionizing Radiation Section of SAIM

## **Katarina Dunjic, MD,**

PhD Student, School of Medicine, University of Belgrade, Serbia

## **Miodrag Stanasic, MD, MSc, Cert MD-ORT (1DAN)**

Department of Surgery, University Clinical Center Pristina-Gracanica, Serbia

## **Bojan Rajevic, DDS, Cert MD-ORT (1DAN)**

BDORT Center for Functional Supplementation and Integrative Procedures, Belgrade, Serbia.

**Contact:** Cell. Phone: +381 62 222555; e-mail: [dr.momidunjic@gmail.com](mailto:dr.momidunjic@gmail.com).

## **Abstract**

**Introduction:** The SARS-CoV-2 infection, called COVID-19, appeared, for the first time, in the Chinese town of Wuhan, at the end of the year 2019 and, in a few months, has spread throughout Asia, arriving in Europe, North and South America, Africa, the Middle East and Southeast Asia. The virus immediately showed a high level of infectivity, corroborated by a global mortality rate which, in the peak maximum phase, reached 7.1%. The associated pathology was characterized by symptoms not dissimilar to the common seasonal flu, with protracted dyspnea, in the most serious cases, which could lead to death from respiratory failure in the most serious subjects. Conventional treatment modalities included: artificial respiration (induced lung ventilation), induction of pharmacological coma, in more serious cases, and use of antimalarial drugs such as hydroxychloroquine.

This global pandemic has become a challenge for all medical practitioners, both clinicians and researchers for diagnosis as for treatment.

**Material and methods:** First challenge was to establish diagnosis of COVID-19 by BDORT. At the beginning, according to Prof. Omura we found photos of virus made by electronic microscope as photos of CT Scan of patients with Covid-19 pneumonia and after that we examined patients confirmed to have COVID-19 with different, multiorgan pathology and symptoms.

We tested many potent food supplements and essential and cold pressed oils as a possible antiviral agent. After many testing we concluded that there are three type (strains) of COVID-19 in Serbia which cause different symptoms as a severity of illness. In parallel with other researchers, we have developed a typology of oils, deriving from the combination of Etheric Oils and Cold Pressed Oils, whose composition has been carefully selected, by means of Bi-Digital O-Ring Test. We created three oils:

1. Immuno Cov (Horsetail, Black Pine, Anise, Cedar, Immortelle)
2. Immuno Cov pneumo (Horsetail, Macadamia, Camphor, Rosemary)
3. Immuno Cov 3 (Macadamia, Bitter Almond, Eucalyptus)

By using of Molecular Docking software (Swiss Dock, from Swiss Bioinformatic Institute <http://www.swissdock.ch/docking>), we confirmed effectiveness of these oils against SARS-Cov-2. From these oils we made testers as a reference substance for diagnosis presence of SARS-Cov-2 in patients.

During these several months changed presence and severity of different strains of SARS-Cov-2 in patients in our patients examined personally and what is more important, also on-line by using photos of patients. So, we could help patients during lockdown.

**Results:** About 70% of patients diagnosed to have SARS-Cov-2 were asymptomatic and 20% had mild symptoms. 60% of asymptomatic patients after diagnosis made by BDORT developed mild symptoms of COVID-19 in the next 2-3 weeks, several even 6-7 weeks after diagnosis of presence SARS-Cov-2. Of all patients with symptoms, nobody developed severe illness after application of supplements according to our protocol.

Protocol for prevention and treatment of COVID-19 we gave to patients with developed symptoms as asymptomatic patients include:

1. Selected oil for COVID-19 (2ml three times daily- 1 bottle/100ml)
2. NAC (N-acetylcysteine) 200-400 mg three times daily
3. Ganoderma Lucidum Spore oil caps 300mg (In most cases 3 times 2 capsules)
4. Vitamin D capsules or tablets 3 times 400-800 IU
5. Probiotics 1 capsule daily
6. Antibiotics (determined by examination. Usually: azithromycin, amoxi clav...)
7. In some cases Brazilian Green Propolis spray, orally
8. In some cases antioksidant: Taksifolin (Dihidrokvercetin)
9. Paracetamol for high temperature, and the most important is a
10. Fraxiparine ampules in patients with increased D-Dimer

All patients recommended to be on gluten, lactose, and sugar free diet.

**In more than 90%, SARS-Cov-2 is neutralized by using this protocol within two weeks.**

After this protocol we gave enzymes: Nattokinase and Serrapeptase to prevent or to treat fibrosis after COVID-19.

By using these testers, we detected in many patients which had COVID-19 pneumonia and hospitalization, still active virus in the body in lung or in other organs although confirmed two times by PCR as a COVID 19 negative. These patients developed again symptoms of COVID-19 or worsening of symptoms of the underlying disease. (Increase PSA in patients with pre or Prostate cancer, Increase S100 marker in patients with Melanoma, pain of joints in patients with rheumatic diseases etc.). After treatment by using this protocol and neutralization of COVID-19, symptom and markers decreased.

**Conclusion:** Oils and testers made by using BDORT have a very high sensitivity to detect and cure SARS-Cov-2. This protocol has not or minimum side effects in patients. In this unique situation BDORT confirmed as a one of the best methods which can help us to establish very fast effective treatment against in the very beginning unknown infective agent.

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**Bi-Digital O-Ring Test (BDORT), coupled with advanced bioinformatic and Artificial Intelligence (AI) tools of Molecular Docking, to create natural products consisted from cold pressed and etheric oils, for treatment of COVID-19 infection, from SARS-CoV-2; Natural products to bind molecular determinants in SARS-CoV-2**

**Stefano Turini, MBioLSc, Ph.D.,**

Senior Lecturer in Biochemistry and Microbiology, School of Physiotherapy, AMEU-ECM University, Maribor, Koper, Project Manager UNIQUE Treatments, Belgrade, Serbia, Italy-Slovenia-Serbia

**Momir Dunjic, MD, Ph.D., F.I.C.A.E., Cert MD-ORT (4DAN)**

Associate Prof of Ob/Gyn & Integrative Medicine, School of Medicine, School of Dentistry, University of Pristina., Faculty of Pharmacy, Novi Sad, Faculty of Health Science, AMEU-ECM Maribor, President of Serbian Association of Integrative Medicine, President Serbian Acupuncture Section of Serbian Medical Society, Member of Executive Board of European Society of Integrative Medicine, Serbia – Slovenia

**Dejan Krstic, Ph.D.,**

Prof at Faculty of Environmental Safety, University of Nis, Serbia. President of Non-Ionizing Radiation Section of SAIM

**Katarina Dunjic, M.D.,**

PhD Student, School of Medicine, University of Belgrade, Serbia

**Miodrag Stanisic, MD, MSc, Cert MD-ORT (1DAN)**

Department of Surgery, University Clinical Center Pristina-Gracanica

**Bojan Rajevic, DDS, Cert MD-ORT (1DAN)**

BDORT Center of Functional Supplementation and Integrative Medicine, Belgrade, Serbia.

**Contact:** Cell. Phone: +381 62 222555; e-mail: dr.momidunjic@gmail.com.

**Abstract**

**Introduction:** Between the end of December 2019 and the beginning of January 2020, cases of an undetermined lung disease of viral origin began to appear, with an initial outbreak recorded in the Chinese city of Wuhan. It was of viral origin and was called SARS-CoV-2 (Severe Acute Respiratory Syndrome-Coronavirus-2), to differentiate it from the previous SARS-CoV-1 (Severe Acute Respiratory Syndrome -Coronavirus-1), identified for the first time by the Italian infectious disease specialist Carlo Urbani and disappeared from the same pathology. This virus came out well taken from the Chinese borders, and, with an extremely high infectious rate (high  $R^2$ ), in a few months caused infectious people and deaths all over the world. Symptoms included: fever (38.5-39°C), joint pain, fatigue, loss of appetite, temporary loss of smell and ability to perceive aromas, dry cough, a feeling of closure of the respiratory tract and, in severe cases, dyspnea. Therapy included: steroidal and non-steroidal anti-inflammatory drugs (NSAIDs or FANS), antiepileptics, antivirals such as Ribavirin (usually used in the treatment of Flavivirus of Hepatitis C) and the application of the antimalarial drug Hydroxychloroquine (which has been shown to block replication of the virus at the level of cell vacuoles). For the most severe cases, with severe dyspnea, immediate hospitalization was required, with provision for intubation and induction of pharmacological coma.

Concerning this virus, of which, at the current state of research, 17 different strains have differentiated, and the development of forms of cellular immunity and humoral, capable of counteracting this infection.

One study evaluated the in vitro antiviral effect against influenza type A (H1N1) of commercial essential oils that included cinnamon (*Cinnamomum zeylanicum*), bergamot (*Citrus bergamia*), lemongrass (*Cymbopogon flexuosus*), thyme (*Thymus vulgaris*), and lavender (*Lavandula*

*angustifolia*). The oils were tested in the liquid phase at a concentration of 0.3% and in the vapor phase. The oils of cinnamon, bergamot, thyme, and lemongrass displayed 100% inhibition of H1N1 in the liquid phase, while the inhibition for lavender essential oil was 85%. However, in the vapor phase, 100% inhibition was observed only for cinnamon leaf essential oil after 30 min of exposure. The bergamot, lemongrass, thyme, and lavender essential oils displayed inhibition rates of 95%, 90%, 70%, and 80%, respectively [1-2]. The research team responsible for the publication *Essential Oils as Antiviral Agents, Potential of Essential Oils to Treat SARS-CoV-2 Infection: An In-Silico Investigation*, reported the following conclusions: A molecular docking analysis was conducted, using Spartan 18 v 1.4.4, molecular docking software, using 171 components of essential oils with the following molecular species:

- 1) SARS-CoV-2 Main Protease (SARS-CoV-2 M pro)
- 2) SARS-CoV-2 endoribonuclease (SARS-CoV-2 Nsp15 / NendoU)
- 3) SARS-CoV-2 ADP-ribose-1-phosphatase (SARS-CoV-2 ADRP)
- 4) SARS-CoV-2 RNA-dependent RNA polymerase (SARS-CoV-2 RdRp)
- 5) SARS-CoV-2 peak protein binding domain (SARS-CoV-2 rS)
- 6) Human angiotensin converting enzyme (hACE2)

The best docking result, determined by Spartan 18 software, was between the aforementioned ligands before and the molecules (E, E)- $\alpha$ -farnesene, (E)- $\beta$ -farnesene and (E, E)-farnesol. The docking energies determined from a bioinformatic point of view were relatively weak, and it is statistically unlikely that these molecules (Farnesene and Farnesol) interact with the virus targets (the molecules mentioned above). However, the components of the essential oil can act synergistically, in addition, they can be used in the form of integrated therapy (as a food supplement), to enhance the effect of antiviral agents and can provide some relief from the symptoms of the pathology COVID-19. Strengthened by these results and the possibility of being able to apply Bioinformatics to the BDORT Test [3-4], we began to verify the main chemical compounds present in the oils, prepared by us, whose proportions between the individual components were determined by means of the BDORT Test itself and, through Molecular Docking software, we verified the binding capacity and strength of the main molecules present in the oils, with the 6 main antigens, mentioned above, expressed by SARS-CoV-2.

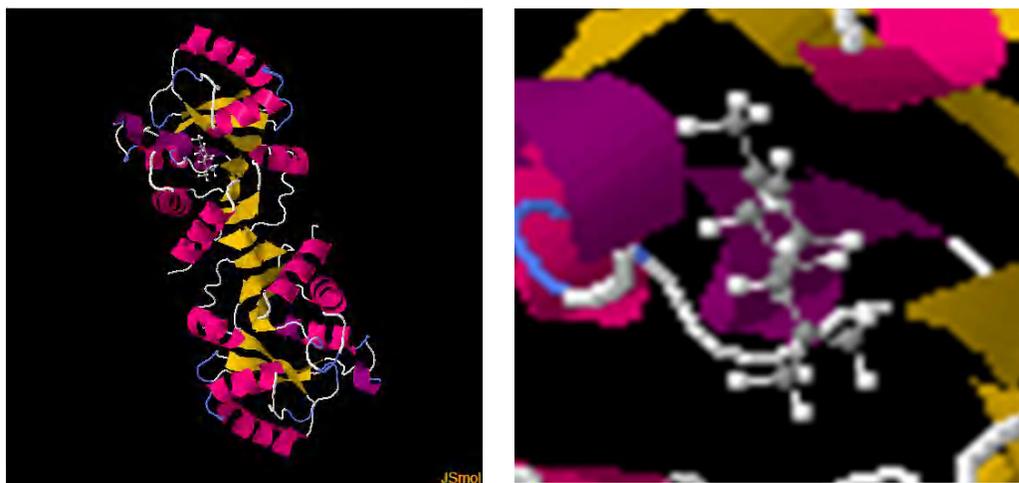
**Materials and Methods:** By using indirect BDORT, we detected effective anti-COVID-19 oils and BDORT was applied to determine the proportion between the various components present in the mixed oils that have been prepared. Three tables are shown below in which they are present: Common Name of the vegetable from which the oil was obtained, Scientific Name of the aforementioned vegetable and Type of Oil, that is, Cold Pressed Oil or Etheric Oil. The tables are indicated for three types of oils, the composition of which, as mentioned above, determined by BDORT, should be effective in countering not only the symptomatology of the COVID-19 pathology, but acting directly against the specific viral particle SARS-CoV-2. The primary purpose of this research work is not only to verify the effectiveness of the components present through the use of Molecular Docking software (Swiss Dock, from Swiss Bioinformatic Institute <http://www.swissdock.ch/docking>), but to demonstrate the effective effectiveness of the BDORT Test, by comparing it with accredited scientific method of Molecular Docking (Figure 1) and, finally, the possibility of comparing methods such as the BDORT test and the modern advanced Bioinformatics technique of Molecular Docking. Bond energy is calculated as Gibbs Free Energy ( $\Delta G$ ). In Thermochemistry and, in this case, in Thermodynamics, Gibbs Free Energy, defined as the difference between the Enthalpy ( $\Delta H$ ) and Entropy ( $\Delta S$ ) variation of a thermodynamic system, in which the temperature of the system (which is multiplied by the variation of Entropy ( $\Delta S$ ), is a representation of the spontaneity of a given chemical reaction. Its formula is represented as  $\Delta G = \Delta H - T\Delta S$ . If the value of  $\Delta G$  is negative, then the reaction will be spontaneous and exergonic (the reaction occurs with a release of energy into the environment outside the reaction system), vice versa if the  $\Delta G$  value is positive and the reaction will be non-spontaneous and endergonic (the reaction requires and calls energy from the external environment to the reaction system.) Regarding Molecular Docking, if the binding  $\Delta G$  between

ligand and protein will be negative, then it means that the affinity will be high and the ligand will take naturally contact with the protein. The higher the negative coefficient, the higher the affinity. In order to better understand the type and strength of the bond, the following division has been prepared:

- **Positive:** When the  $\Delta G$  value is between -1 KCal / mol and -6 KCal / mol and there is at least one unity difference between the maximum and minimum  $\Delta G$  value (e.g. between -6 KCal / mol and -7 KCal / mol there is a difference of one unit).
- **Positive / Discreet:** When the  $\Delta G$  value is between -6 KCal / mol and -7 KCal / mol and there is a difference of at least one unit between the maximum and the minimum  $\Delta G$  value.
- **Positive / Strong:** When the  $\Delta G$  value is between -7 KCal / mol and -8 KCal / mol or less than -7 KCal / mol (-8 KCal / mol for example) and there is a difference of at least one unity between the maximum and the minimum  $\Delta G$  value. Could be also Positive / Strong when value of  $\Delta G$  is between -6 KCal / mol and -8 KCal / mol, but with a difference less than one unity.
- **Strong:** When the  $\Delta G$  value is between -8 KCal / mol and -9 KCal / mol and there is a difference of less than one unit between the maximum and minimum  $\Delta G$  value, (an example, -9,54 KCal / mol and -9,30 KCal / mol).

In this distinction, no reference is made to the fact that the bond occurs outside or inside the acceptor molecule, which differ from the temporal point of view of the bond. To give an example, a strong bond outside the molecule will still have a shorter time duration than a strong bond inside the molecule. In the same way a weak bond behaves. As initially mentioned in the Introduction, 6 molecular determinants were considered as targets, of which 5 belonging to the viral particle SARS-CoV-2 and, the last, the **hACE2 (Angiotensin Converting Enzyme-2)**, molecule having a role in SARS-CoV-2 infection. The five molecular determinants of the virus considered are: **SARS-CoV-2 Main Protease, SARS-CoV-2 endoribonuclease, SARS-CoV-2 ADP-ribose-1-phosphatase, SARS-CoV-2 RNA-dependent RNA polymerase, SARS-CoV-2 peak protein binding domain.** Each of these molecular species, chosen as a target, was evaluated, with Molecular Docking, with each of the following molecular species, as ligand of targets, present as main components within the oils considered, namely: **Anethole,  $\alpha$ -Pinene,  $\alpha$ -Cedrene, D-Camphor, 1,8-Cineole, Prunasine.**  
**Results:** In order not to report all the tables obtained, with binding energy values, measured as  $\Delta G$ , an average of the values of the aforementioned energy was performed, for each molecular species, that is, targets and ligands of the aforementioned targets. The results are shown in the table below.

Ligand	Acceptor / Target	Energy of Bond ( $\Delta G$ ) (Max and Min) (Kcal/mol)	Type of Reaction	Affinity
$\alpha$ -PINENE	SARS-CoV-2 M Pro	-7,38 -6,21	Spontaneous / Exoergonic	Positive/Discreet
$\alpha$ -CEDRENE	SARS-CoV-2 Nsp 15	-6,35 -5,27	Spontaneous / Exoergonic	Positive
ANETHOLE	SARS-CoV-2 ADRP	-7,11 -7,02	Spontaneous / Exoergonic	Positive/Strong
<b>D-CAMPHOR</b>	SARS-CoV-2 RdRp	<b>-9,01</b> <b>-8,14</b>	<b>Spontaneous / Exoergonic</b>	<b>Strong</b>
1,8-CINEOLE	SARS-CoV-2 rS	-5,22 -5,01	Spontaneous / Exoergonic	Positive
PRUNASINE	hACE2	-6,87 -6,54	Spontaneous / Exoergonic	Positive/Strong



**Figure 1:** Virtual Molecular Docking software Swiss Dock image and bond between target, ie SARS-CoV-2 RdRp or RNA dependent RNA polymerase and ligand  $\alpha$ -Cedrene. In yellow frame is possible to look position of bond of molecule of  $\alpha$ -Cedrene on molecule of SARS-CoV-2 RdRp and its magnification (6X) on right

**Discussion and Conclusions:** Based on the modeling analysis of the data obtained and the consequent (unweighted) arithmetic average performed on them, it emerges that the D-CAMPHOR compound is the most effective in binding, on average, all the molecular determinants, both belonging to the molecular pattern of SARS-CoV-2, and the hACE2 molecule. In turn, compounds like ANETHOLE and PRUNASINE follow. So, drawing conclusions from this work, we can state the following:

On the basis of the interpretation of the results obtained following the aforementioned work, of comparison between the BDORT Test and the advanced bioinformatics technique of Molecular Docking, we can state the following:

- The Molecular Docking software confirmed, from a statistical-forecasting point of view, the effectiveness of the components (determined by BDORT Test), with which the oils were prepared. Further confirmation derives from the fact that, although not all components showed a Positive / Strong bond, they nonetheless showed a spontaneous bond, with a negative  $\Delta G$  value, for all the series examined.
- The most effective oil, on determinants of SARS-CoV-2, is that has presence of the D-CAMPHOR molecule, which showed an affinity, therefore a Strong bond (in arithmetic average) in 4 of the SARS-CoV-2 molecules, out of 6 in total. Furthermore, as already stated, the other two links were Positive / Discreet.
- D-CAMPHOR has so far proved to be the most effective molecule in contacting the main molecular determinants of SARS-CoV-2.

We await subsequent experiments to further confirm the data obtained.

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# COVID19: Effectiveness in Preventing and Treating with Défense Energy

**Harasawa, L., M.D., PhD, F.I.C.A.E., Cert. ORT(1Dan)**  
Specialist on Acupuncture, and Obstetrics & Gynaecology,  
Director of the Brazilian Medical Association of Bi-Digital O-Ring Test,  
Director of the São Paulo Institute of Integrative Medicine  
Approved by NIDA Clinical Trial Network

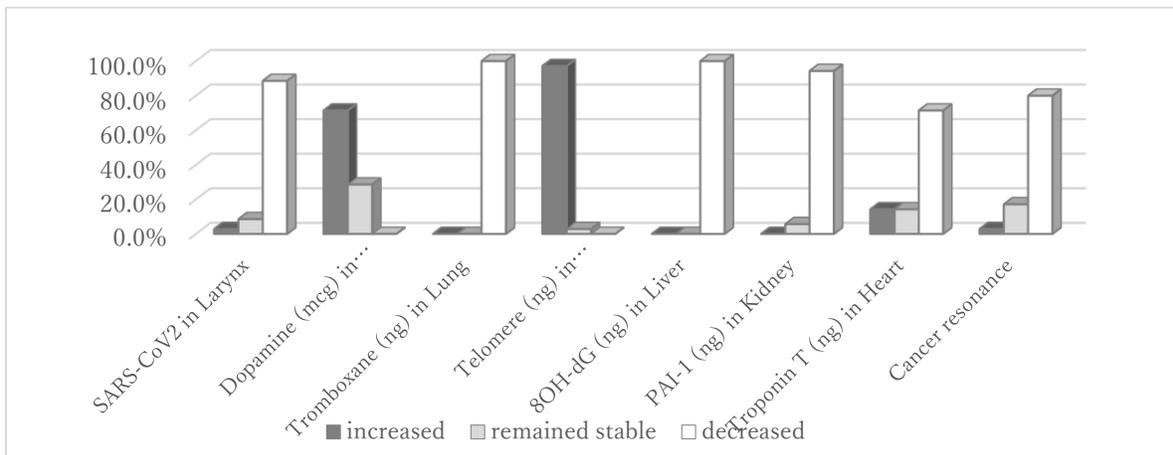
Correspondence: Lucy Harasawa. IPMI – Instituto Paulista de Medicina Integrativa. Rua Domingos de Moraes, 2187, Bloco A, Conjunto 409. Saúde. São Paulo. SP.  
CEP 04035-000. Tel: +55-11-3253-9423, 3514-8502.  
Web site: [www.medintegrativa.med.br](http://www.medintegrativa.med.br) E-mail: [luharasawa@gmail.com](mailto:luharasawa@gmail.com)

## ABSTRACT

Thirty-five patients with inflammatory, infectious, and degenerative diseases were treated with Defense Energy, an integrative quantum formula, during the SARS-Cov-2 pandemic period. Photographs were taken on the first and fourteenth days of treatment. Two consecutive attack doses and maintenance doses for the first and second week of treatment were tested by BDORT, individually.<sup>1-3</sup> Mo points of lung, heart, liver, and kidney, and representative points of the pineal gland, thymus gland and larynx were identified on photos with histological slides of the respective organs. Reference Control Substances (RCS) were measured on these points, before & after treatment. **OBJECTIVE:** The aim of this study is to verify the efficiency of the treatment with Defense Energy, measured by BDORT, on the prevention and treatment of pandemic medical conditions. **RESULTS:** there was a significant increase in the levels of Dopamine in Pineal gland (71.4%) ( $p < 0.001$ ) and Telomere in Thymus gland (97.1%) ( $p < 0.001$ ); and decreased levels of SARS-CoV2 in larynx (88.6%) ( $p < 0.001$ ), Thromboxane in lung (100%) ( $p < 0.001$ ), 8OH-dG in Liver (100%) ( $p < 0.001$ ), PAI-1 in kidney (94.3%) ( $p < 0.001$ ), Troponin T in heart (71.4%) ( $p = 0.038$ ) and Cancer resonance in the body (80.0%) ( $p < 0.001$ ). See Graphic 1. **CONCLUSION:** The treatment with Defense Energy reduced the presence of SARS-Cov2, an indicator of clinical or sub-clinical infection. The reduction of SARS-Cov2, as well as the reduction of cancer resonance, can be understood as the improvement of the immunological condition. The behavior of Dopamine, Telomere, PAI-1, Troponin T, Thromboxane, and 8OH-dG are useful as severity markers for COVID 19. The favorable evolution of these markers with treatment with Defense Energy proves its efficiency in the treatment and prevention of COVID 19. The use of Defense Energy for 14 days, every 4 hours, in doses tested by BDORT, can reverse the pathophysiological condition that sustains several diseases. **Vibrational therapy** - Each element of nature, atoms, molecules, plants, cells, microorganisms, etc., has its own specific vibrational frequency, which can be measured and reproduced. These frequencies can be used to detect presence or absence in the body, in a non-invasive way, through BDORT. Vibrational Essences of specific frequencies can strengthen the oscillatory resonance of molecules present in nature, present in the human body. Inserting the correct information into the system, they stimulate the frequency regulation of metabolism, rescuing order and homeostasis.<sup>5-7</sup> Due to its immaterial nature, it has no active principle, it is not considered a drug, and its action cannot be explained by pharmacology. There are no records of contraindications nor adverse reactions being safe for humans and animals. When a chemical is used as an information carrier, during the reaction, more than 98% of the available energy is dissipated as heat. Conversely, energy signals are not lost in thermochemical reactions. The energetic signals are transferred almost 100%, without losses. Quantum physics reveals that, in

biology, vibratory energy signals would undoubtedly be selected over chemical signals in the control of our behavior.<sup>8</sup> The signs that drive life are not chemical drugs. Energy signals are much more efficient and effective in controlling protein changes than physical drugs.<sup>9</sup> The “Virtual BDORT” demonstrated the fact. The effect of the substance on the body can be measured by BDORT just touching the substance rather than inserting it into the body. In previous studies presented by the main author, the frequency element showed to produce the same effect on biological systems as its ponderal correspondent but faster.<sup>10-12</sup> So vibrational formulas relieve acute and chronic symptoms quicker than material ones.

**The Essential Energy System®** was created from the accumulated knowledge by BDORT research, in São Paulo city, São Paulo state, in Brazil. It uses only the vibrational frequency of integrative medicine treatments. They are prepared in purified water and brandy, and the frequency is printed electronically. The liquid presentation is advantageous over tablets and capsules regarding tolerance and management of doses, while spray bottle favors conservation and asepsis compared to the dropper. The absence of matter dispenses concerns about finitude, conservation, validity, and import of inputs; facts that contribute to the reduction of costs. The technology generates frequencies in a precise and unlimited way, which associated with higher production and consumption can consistently lower costs. Frequency preparations must be protected from exposure to artificial electromagnetic fields, due to deconfiguration and consequent biological inefficiency. The Essential Energy System® has a selection of frequencies of natural molecules, to recover physiology and homeostasis, essential for health. Therapy with the Essential Energy System® does not intend to introduce anything that is not already in the system, just strengthen the vibratory resonance. **Defense Energy** is a product that belongs to the Essential Energy System®. The Defense Energy is a complete frequency formulation of important molecules and atoms in our metabolism and physiology. It can be used in emergency situations when the functional response as a whole required quickly, especially in epidemics. It has the frequency that neutralizes and eliminates SARS-CoV-2 plus the vibration of more than 800 substances with a detoxifying, anti-inflammatory, antioxidant, antibiotic, immunomodulatory, neuromodulatory, anti-aging, pre & pro-biotic, vasodilator, anti-thrombogenic functions; well-known by Nutrology, Phytotherapy, Homeopathy, Ayurveda, Anthroposophy, Functional and Quantum medicine, by their already proved benefits and safety.



**Graphic 1: Distribution of the temporal behavior of RCS**

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# **Persistent Anosmia after COVID-19 Infection: Treatment Options According to BDORT**

**Fernando C. Dotta Barros, MD, MSc, FICAE**

Otolaryngologist, Acupuncturist, Director of Oto-Rhino Clinic at São Paulo, Brazil  
Vice-President of Brazilian BDORT Medical Association  
www.otorrinomorumbi.com.br, phone + 55 11 3742-8242  
e-mail fsbarros@uol.com.br

**Sumie Iwasa, MD, PhD., FICAE, Cert. ORT-MD (4 Dan)**

Orthopedic Surgeon, Former President of Brazilian BDORT Medical Association

## **Abstract**

The current outbreak of the novel coronavirus SARS-CoV-2 (coronavirus disease 2019), epi-centered in Hubei Province of the People's Republic of China, has spread to many other countries. On January 30<sup>th</sup>, 2020, the WHO Emergency Committee declared a global health emergency based on growing case notification rates at Chinese and international locations.

Coronaviruses are enveloped, positive single-stranded large RNA viruses that infect humans, but also a wide range of animals. Coronaviruses were first described in 1966 by Tyrell and Bynoe, who cultivated the viruses from patients with common colds. Four subfamilies, namely alpha-, beta-, gamma- and delta-coronaviruses, exist. While alpha- and beta-coronaviruses apparently originate from mammals, particularly from bats, gamma- and delta-viruses originate from pigs and birds. Among seven subtypes of coronaviruses that can infect humans, beta-coronaviruses may cause severe disease and fatalities, whereas alpha-coronaviruses cause asymptomatic or mildly symptomatic infections. SARS-CoV-2 belongs to the B lineage of the beta-coronaviruses and is closely related to the SARS-CoV virus.

The coronavirus related disease caused by SARS-CoV-2 has been named COVID-19. Symptoms at the onset of COVID-19 infection may include fever, cough, fatigue, myalgia, sputum production, dyspnea, oppression in the chest, diarrhea, headache, anorexia, chest pain, sore throat, dizziness, palpitations, and vomiting. The infection can progress to severe disease with pneumonia and death.

Although coronaviruses are known to cause a common cold, and olfactory loss is known to be associated with common cold, many reports related anosmia (loss of sense of smell) and also dysgeusia (alteration of sense of taste) as primary and pathognomonic symptom of COVID-19. This feature may indicate a propensity for neuroinvasion; olfactory neurons are currently being discussed as a portal of entry for neuroinvasion and the spread of COVID-19 after infection of neural cells from the CNS to the periphery via a transneuronal route.

The majority of patients who developed anosmia and/or dysgeusia with a confirmed diagnosis of COVID-19 by PCR-RT test or serum antibodies test have recovered after 15 days; a few cases recovered after 30 days. We present three cases of patients who did not recover after up to three months from the onset of the infection by COVID-19.

One case was a 65-year-old male with positive PCR-RT for COVID-19 before the consultation. He was complaining of loss of smell since the onset of infection three months before, with no improvement. According to BDORT, there was a positive resonance to COVID-19 infection (using a virus picture), and research for a drug aid found Açaí berry positive. The patient took the medication for a week, with good improvement.

Another case was a 35-year-old female complaining of anosmia for 45 days; no diagnosis of COVID-19 was performed. Brain MRI was normal. BDORT was positive for COVID-19, and for Omega-3 fish oil, that was prescribed, with an improvement of olfaction in two weeks.

Last case was a 45-year-old woman with a previous diagnosis of COVID-19 by PCR-RT and loss of smell for two months before the consultation. She was submitted to Ozone therapy by ear insufflation; later, she informed the sense of smell improved that same day.

We conclude that there are therapeutic options out of sight of medical literature that can be useful for controlling the COVID-19 pandemic, and the BDORT is important to find those solutions with the advantage of time-saving. Until now, no specific antiviral drug has been proven effective for the treatment of patients with severe COVID-19. Ozone therapy by ear insufflation can also be an important aid in COVID-19 infection because nose and paranasal sinuses are areas of great concentration of the virus due to the mechanism of infection involving the respiratory epithelium.

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## COVID -19 PROFILAXIS WITH OZONETHERAPY

**Falzone, W., MD.** Ophthalmologist; Accredited Neuromotor Vision Dysfunctions Specialist since 2017 by HOLhos de BH; Director of Brazilian Bi-Digital O-Ring Test  
Pos Graduate in Integrative Medicine, UNIUBE, 2016-2017; President of Colégio Médico Brasileiro de Ozonioterapia 2018-2019; Vice-President of Colégio Médico Brasileiro de Ozonioterapia, 2020; Approved by NIDA Clinical Trial Network 2018.

**Senvaitis, M I, MD.;** Psychiatrist; Volunteer Physician at BDORT Integrative Medicine Clinic.  
Director of Brazilian Bi- Digital O-Ring test

**IWASA, S, M.D.,** Orthopedist, F.I.C.A.E, Cert. ORT-MD (4 Dan)

(Correspondence: e-mail: falzoniw@gmail.com)

Key words: ozone therapy, COVID-19, oxidative treatment

### ABSTRACT

Ozone therapy treatment consists of a gas mixture of 98% oxygen and 2% of ozone produced by ozone generators specially developed for medical use with increasing number of published papers over the past century regarding its biological effects including the ability to kill microorganisms ( bacteria, virus and fungi) in various conditions and also improves several physiological parameters essential for infection defense (1)(2)(3)(4)(5).

The purpose of our study was to determine whether ozone therapy would be effective in COVID-19, the virus responsible for the never before seen on going world pandemic.

**Methodology:** Nine female patients, mean age 55 (42-70) came to our Integrative Out Patient Clinic with different diagnosis (6 had pain, 1 depression, 1 hypertension and 1 post op of ocular retinal detachment). BI-Digital O-Ring (6)(7) test was performed with COVID-19 obtained by photographs of the virus image, each image was considered an BDORT unit, IL-6 and PCR slides. BDORT was done over the picture taken just prior to ozone treatment and immediately after of each patient on 5 consecutive days and a week later. None of the patients had COVID -19 typical symptoms. Bi-Digital O-Ring done at I Tang, P1 and VG16 acupuncture points and also at umbilical area over the pictures taken. Rectal optimal dose of ozone (8) was given to these patients on a daily basis. A BDORT exam was performed a week later after finishing the treatment to evaluate for how long the ozone treatment would hold its effect.

**Results:** The medium COVID-19 BDORT units (BCU) for all 9 pre-treatment at day 1 was 14.219 BCU. This value dropped to zero BCU at day 5. During the 5 days at each consultation pre-treatment this value was lower than the previous pre-treatment day but was higher than the pos treatment of the last consultation for all 9 patients.

The BCU, IL-6 and PCR values were similar at all points examined for each patient. This did show us that ozone therapy does not prevent from further COVID-19 contamination.

Conclusion: although we had a small number of patients all of them did show a trend to improve their sub clinical COVID-19 BDORT units infection to zero at day 5 of treatment and also decrease of the pain intensity which I had already shown in a previous paper presented (9). For these sub clinical COVID-19 patients PCR and IL-6 slides did not help with their evaluation. Ozone therapy for this series of patients did not prevent further COVID-19 contamination as shown after a week of no ozone treatment.

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## **How to use BDORT to Prevent the Spread of COVID 19 in Environments and Personal Contamination.**

**OHARA, G., M.D.**, Affiliate Professor at Orthopedics and Traumatology Department - São Paulo Federal University. Acupuncturist. Voluntary doctor and Medical Researcher at ACL Foundation.  
(Correspondence; e-mail: gilberto.ohara@gmail.com)

### **ABSTRACT**

Using a current photo of COVID 19, we replicated hundreds, thousands of times and served as a measure of a CVU (Corona Virus Unit).

Serving as viral load, different locations in the city were evaluated through photos at different times.

The degree of viral load in health centers that provided medical assistance to the population were evaluated and reduced the viral load by spraying 0.5% sodium hyposulfite in the air.

Employees and patients were evaluated using protective measures ingesting Propolis drops and finding a significant reduction in viral load.

# **Distant Medical Care of COVID-19 Cases through BDORT: A Treatment Approach for Pandemic Times**

**OHARA, G., M.D.**, Affiliate Professor at Orthopedics and Traumatology Department - São Paulo Federal University. Acupuncturist. Voluntary doctor and Medical Researcher at ACL Foundation.

**IWASA, S, M.D., Orthopedist, F.I.C.A.E, Cert. ORT-MD (4 Dan) \***; Specialist Integrative Medicine; President ACL Foundation (in São Paulo, SP, Brazil)

**PRADO P de A., MD** Master in General Surgery; Acupuncture and Integrative Medicine Specialist; Director of AMBBDORT; Head of the Integrative Medicine Outpatient Clinic of ACL Foundation

(Correspondence: pprado999@gmail.com)

## **Summary**

**Background** In 2020, we face an unprecedented challenge with the emergence of a pandemic whose etiologic agent is the SARS-CoV-2. The impact generated is still difficult to estimate accurately. As doctors, we are just beginning to unravel the epidemiological, pathophysiological, and clinical aspects of a new disease, while we are exposed to it on the frontline of care. The use of BDORT as an investigative tool in cases of diseases that are difficult to solve is part of the very development of the method by Prof. Omura and its principles are valid in cases of COVID 19, as well as in cases of neoplasms, neuropsychiatric disorders and so on. We have an invaluable resource that we must use in this fight but we need to understand how to get the most out of the method and explore the peculiarities of the moment.

**Methods** The resonance phenomenon between identical substances is widely used in BDORT and we work based on this using microscopy images of the etiologic agent in different quantities, ranging from 1 to 200000 units, to estimate the viral load. Using the same principle, we also use images from *Prevotella* sp; vitrification lesions, histological images of arteritis and others. We also measured sixty-nine RCS parameters. The evaluation is done in printed photos of the patients and the records of the imaging patterns, measurement of RCS parameters and drug selection are written in these photos. The assessment of patients at a distance through photos is not a strange practice to BDORT and in the context of the pandemic it becomes even more valuable because it respects social distance. The sequential assessments documenting the evolution are archived and can at any time be the object of new studies and shared to exchange information. Findings We have observed over time the increase in viral load both in the environment and in patients and we consider this increase to be progressive and not yet stabilized. In the imaging patterns of individuals infected with SARS-Cov-2, there are areas of electromagnetic anomaly in various structures of the body where it was possible to check the resonance for UCV and measure the viral load. Unexpected findings in Imaging included vertical contamination in pregnant women, dysfunction of the thymus and the occurrence of high levels of UCV in the Cranial Imaging. This latest finding proved to be a longstanding contamination and it is too early to estimate its long-term effects, presence of residual injury or sequelae. These imaging patterns will be the subject of specific presentations. Contamination by SARS-CoV-2 appear to be correlated with remarkable alteration with remarkable alteration in inflammatory parameters, Thromboxane B2 and another RCS. Interpretation We are still beginning to learn about COVID-19 but research through BDORT brings valuable insights and is therefore now an indispensable support for clinical practice. BDORT allows a better diagnosis than other available resources and with proper evaluation we can treat it earlier, avoiding the progression of COVID-19 to severe forms. BDORT allows you to locate and quantify the infection in real time and this assessment allows you to understand the patient's response and monitor it

safely. For this reason, we can not only choose the most effective interventions, but also introduce the precise therapeutic adjustments at an ideal time.

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**Bi-Digital O-Ring Test and COVID Treatment in Family Medicine.  
Review of Diagnosis and Successful Treatment of COVID 19 from the  
Prospective of a Physician Trained in BDORT.**

**Avraham Henoah M.D., D.A.B.F.M., F.I.C.A.E., ACUP.CERT., CERT. BDORT-MD (1Dan) ;**

Fellow International College of Acupuncture and Electrotherapeutics Fellow American Board of  
Family Medicine Visiting Attending, Depts. Family Medicine;

Montefiore Medical Center, Mount Sinai Medical Center

16th Biennial International Symposium on the Bi-Digital O-Ring Test Secretariat October 25, 2020.

(Correspondence: e-mail: avihenoah@aol.com)

**ABSTRACT**

In a busy family medicine practice in Washington Heights, New York City, we remained open during the pandemic and treated patients with the Coronavirus. Between February 2020 and August 2020, we treated over 100 patients with COVID-19 infection. In the absence of therapeutics recommended by cross control double blind studies, we utilized low risk medical treatments that were suggested by the literature. We were successful in treatment by reducing symptoms and duration of illness and avoided any deaths in these patients. The BDORT was present in parallel to the medical process.

Discussion is made suggesting of future methods including standard western medical treatment as well as the possible role of the Bi-digital O-ring test in the treatment of current and future infections. Continuing appreciation is expressed to Dr. Y. Omura for contribution as founder and chief scientist in the BDORT discipline.

# COVID-19 Pandemic の報道から BDORT により対策を考察し、勝つ

藤巻 五朗 D.D.S., Ph.D., Cert. ORT-DDS (5Dan)

パストラル歯科、台東区上野、東京

(Correspondence: e-mail: info@Pastoral-shika.net, Fax: 03-3836-3418)

## 【はじめに】

中国の武漢に由来する COVID-19 は姿を変貌させながら、世界各地で爆発的に蔓延して、pandemic へと巻き込んでいく状況は TV にて連日報道されている。その報道から BDORT を用いて検索してみると、世界のどこの都市であっても同じことが観察できる。

## 【世界での TV 報道から COVID-19 を BDORT で診る】

1. 感染して発症する患者はその胸腺部の Telomere が必ず 10ng(BDORT Unit)以下であること、しかもそのほとんどは 5ng 以下である。
2. 感染発症して、不幸にもお亡くなりになられる方の Telomere は必ず 5ng (BDORT Unit) 以下であったこと、しかもそのほとんどは 3ng 以下であった。
3. 幸いにも回復して退院できたとしても、回復した方の Telomere は 10ng(BDORT Unit)以下のままで、しかもそのほとんどは 5ng 以下を保持し続けていることである。そのためか同一人物で再発したとの報道すらでてきた。いわゆる免疫記憶が成立し難い感染症であることを示唆している。
4. 報道での町の中、集会やデモでの大衆、群衆を測定すると、そのほとんどは 5~10ng (BDORT Unit) であった。故に、なぜ世界でこれほどまでの pandemic が発現するかがよく理解できる。

## 【対策】

現在のところ感染源 COVID-19 への対策としては、ワクチン接種しかないとの報道である。しかし、いまだ未開発であり、その完成と国民への供給には莫大な時間と費用が必要である。しかも、感染源の新型ウイルスが変貌すれば、その都度新たに開発しなければならない。

過去の Pandemic が示すように、ワクチンだけではウイルス対策として根本的な原因除去療法になり得ないことを示唆している。

然るに、感染症が成立するときは感染源への対応だけでなく、宿主への対策が必須である。しかし、COVID-19 には 3密 (密閉・密集・密接) 防止とマスク着用を徹底させるだけの受動的行動である。

宿主への免疫対策はない。それは COVID-19 への免疫抵抗力の有無を発症以前に判断することは非常に難しく、個人として対策することが不可能だからだ。発症しているか否かは、PCR 検査で判定できるが、免疫抵抗力の有無やその程度についての判断はできない。免疫抵抗力を上げるためには生活の中で、何をどうしたらよいか能動的に積極的に行うべき行動内容は判っていない。

## 【Telomere 量を免疫細胞の指標とする】

そこで、胸腺組織細胞の若さと健全度の指標となる Telomere について、BDORT 技法で測定し、対象者の免疫力として判定するのはいかがであろうか。

胸腺部の Telomere 量としては 10ng (BDORT Unit) 以下では確実に低すぎる、報道が示す

ように COVID 19 感染が成立している。せめて 200ng 以上にはなっていたい。さらに大村恵昭教授が提唱する正常細胞の健康指標である 350ng 以上を安定的に獲得していきたい。歯科での対応であれば可能である。

### 【歯科の適用で COVID 19 感染症に勝つ】

ヒトの免疫力を高値安定化させるためには、心身が副交感神経系優位であることが基本である。

そのためにはヒトは誰でも、生きている限り日常生活習慣として、途切れることなく、一日に 1000~2000 回も行っている本能的生理現象である無意識唾液嚥下時の上下歯列の瞬間的触れ合い（噛み合わせ）が BDORT 的に生理咬合として適合していることである。

生きていることの本能的生理現象なのだから、昼夜を問わず必要である。

生理咬合に適合したヒトは本能的生理現象として、無意識に唾液を飲み込むだけで Telomere 量は二倍になり、一回の食事をすることで四倍も増加させることができる。この条件が繰り返し行われる日常生活であれば、胸腺組織細胞の Telomere 量を最高安定値である 15,000ng (BDORT Unit) にすることができる。

この現象が安定的に獲得され続けられる日常生活は今回の COVID-19 だけでなく、多分、数年後には再度発現するだろう新たな未知の感染症にとっても、ヒトの取るべき対策の道となる。

これは医療行動として、心身を構成する全身細胞の構造的正常化なのであるから、当然、ガンや認知症対策でもある。

歯科での手法は上記の噛み合わせのことだけでなく、口腔衛生管理としての non-paste brushing や口腔関連筋肉（舌を含む）の適正運動の活用など副交感神経系を優位にする生理活動を使いこなすことで、より一層高い次元での、心身細胞を感染に強い免疫力を備えて安定した細胞に仕立て上げることができる。

手技の詳細は今期学会の演者の別演題に記載してある。

### 【結語】

現代人の免疫力が低下しているため、COVID-19 感染症が世界に pandemic を引き起こしている。

現代人の免疫力を引き上げるのには、ヒトの本能的生理現象を活用することが最も得策である。

本能的生理現象である無意識唾液嚥下時の上下歯列の瞬間的触れ合い（噛み合わせ）は歯科手技の適用で BDORT 的に生理咬合として適合させることができる。それは免疫力の指標となる胸腺組織細胞の Telomere を正常化させ、高値安定化させるので COVID-19 感染症を制御することができる。

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# **Consider the Measures by BDORT from the TV Coverage of COVID 19 Pandemic and Win**

**Fujimaki Goro D.D.S., Ph.D., Cert. ORT-DDS (5 Dan)**

Pastoral Dental Office, Ueno, Taito City, Tokyo, Japan

(Correspondence: e-mail: info@Pastoral-shika.net, Fax: +81-3-3836-3418)

## **ABSTRACT**

### **【Introduction】**

COVID 19, which originated in Wuhan, China, is changing its appearance, but it is reported every day on TV that it spreads explosively all over the world and becomes involved in pandemic. If we search BDORT from that report, we can observe the same in any city in the world.

### **【Checking COVID 19 at BDORT from TV coverage around the world】**

1. In patients who develop the infection, Telomere in the thymus must be 10 ng (BDORT Unit) or less, and most of them are 5 ng or less.
2. Those who died unfortunately after the onset of infection had a Telomere of 5 ng or less (BDORT Unit), and most of them were 3 ng or less.
3. Fortunately, even if he recovered and was able to be discharged from the hospital, the recovering Telomere remained below 10 ng (BDORT Unit), and most of them remained below 5 ng. For that reason, it has even been reported that the same person has recurred. This suggests that the so-called immune memory is an infectious disease that is difficult to establish.
4. When we measured the masses and crowds at the meetings and demonstrations in the town in the press, most of them were 5-10 ng (BDORT Unit). Therefore, we can understand why pandemic expression is so high in the world.

### **【Countermeasures】**

At present, it is reported that vaccination is the only countermeasure against COVID 19, the source of infection. However, it is still undeveloped, and it takes enormous time and money to complete it and supply it to the people. Moreover, if the new virus that is the source of infection changes, it must be newly developed each time.

As past pandemic shows, it suggests that vaccines alone cannot be a fundamental cause-eliminating therapy as an anti-virus measure.

However, when an infectious disease is established, it is necessary not only to deal with the source of infection but also to take measures against the host. However, COVID 19 is a passive action that requires only '3 closed' preventions (closed meeting/ closed crowd /closed contact) and wearing a mask.

There are no measures to immunize the host. This is because it is extremely difficult to determine the presence or absence of immune resistance to COVID 19 before the onset, and it is impossible to take individual measures. Whether or not the disease has developed can be determined by a PCR test, but it is not possible to determine the presence or absence of immune resistance and the degree thereof. In order to improve immune resistance, what to do in life and what to do positively and actively are not known.

### **【Telomere amount is used as an index of immune cells】**

Therefore, how about measuring Telomere, which is an index of thymus tissue cell youth and health, by the BDORT technique and judging it as the immunity of the subject?

The amount of Telomere in the thymus is certainly too low at 10 ng (BDORT Unit) or less, and COVID 19 infection has been established as the media reports. I want to be at least 200 ng. Furthermore, we would like to stably obtain the normal cell health index of 350 ng or higher proposed by Professor Yoshiaki Omura. It is possible as long as it is dental treatment.

### **【Overcome COVID 19 Infections in Dental Applications】**

In order to stabilize human immunity at high levels, it is essential that the body and mind have the parasympathetic nervous system predominance.

For that purpose, as long as we live, every human being does 1000 times to 2000 times a day without interruption, which is an instinctive physiological phenomenon. Instant contact between upper and lower dentition during unconscious saliva swallowing. (Occlusion) is that BDORT is suitable as a physiological occlusion.

It is necessary not only during daytime, but during nighttime sleep because it is an instinctual physiological phenomenon of being alive.

As an instinctual physiological phenomenon, humans adapted to physiological occlusion can double the amount of Telomere by simply swallowing saliva unconsciously, and can increase it four times by eating one meal. If this condition is repeated in daily life, the Telomere amount of thymic tissue cells can be set to the maximum stable value of 15,000 ng (BDORT Unit).

The daily life in which this phenomenon can be stably acquired is not only the current COVID 19 but also a new unknown infectious disease that will probably reappear in a few years, and it will be the way for humans to take alive.

This is a medical action, because it is structural normalization of the systemic cells that make up the mind and body, and of course it is also a countermeasure against cancer and dementia.

The dentistry technique is not limited to the above-mentioned occlusal use, but it also uses physiological activities that dominate the parasympathetic nervous system, such as non-paste brushing for oral hygiene management and the use of proper movement of oral muscles (including the tongue). As a result, it is possible to tailor the mind-body cells to a stable cell with a higher immunity against infection in a higher dimension.

The details of the procedure are described in another subject of this year's conference.

### **【Conclusion】**

COVID 19 infections are causing pandemic in the world due to the weakened immune system of modern people.

Utilizing human instinctive physiological phenomena is the best way to boost the immunity of modern humans.

Instinctive physiological phenomenon, the instantaneous contact (bite) of the upper and lower dentition during unconscious saliva swallowing can be adapted as a physiological occlusal by BDORT by applying dental procedures. It normalizes Telomere in thymic tissue cells, which is an index of immunity, and stabilizes it at a high level, so that COVID 19 infection can be controlled.

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## COVID-19 予防に対する照射マスクの効用と食事-

Chieko, Hirobe Ph.D., ORT-Pharm(4Dan)

(Correspondence: e-mail: cictus@me.com)

### 【目的】

COVID-19に対する有効な治療法、予防法はまだ確立されていない。Bi-Digital O-Ring Test (BDORT)では、SARSの時の抗原を用いたRCSで、極初期からの検査もできる。今回は、予防の方に力を入れて、COVID-19に感染しない様な対策を考えてみた。

### 【対象と方法】

COVID-19感染者との接触が難しい中、BDORTで陽性となった方2人に対して行なった、テラヘルツ波照射マスクの効果、および感染しにくい食品などに対する効果を検証してみた。テラヘルツ波照射商品については、多くの記載があり、また製品も多く発売されている。その中には、かなりの効果があるものもある。しかし、天然の岩石やまた販売されている商品の中には、あまり効果がないものも多い。私たちがテラヘルツ波と呼んでいるのは、波長にすると、通常3  $\mu\text{m}$  から3000  $\mu\text{m}$  である。テラヘルツ波は、周波数で言われることが多いので、周波数にすると0.1-100THzということになる。しかし残念ながらこの領域全部を測定するものはまだ開発されていない。では、どうやって理想のテラヘルツ波を測定するのであろうか。それは、水に照射した時に、一番早く、高濃度で水素イオンを出す周波数を測定することで代用している。それがおよそ35 THzということである。今回はまたCOVID-19に感染しにくくなる照射製品、食品についても合わせて検討してみた。

### 【結果】

まず、テラヘルツ照射マスクの有効性について述べる。全く自覚症状はなく、BDORTだけでプラスであった人の写真を用いて、マスクの効用についてチェックした。口から出る息の中の水蒸気は、マスク表面で分解され、水素陽イオンとなる、これが、COVID-19を不活性化するのである。これに加えて食生活も注意すると、感染防止に役立ち、軽症者は、ひどくならないですむ。対象者は、友人で殆ど無症状だったが、1週間ORT Immuno Nano Fucoseを一回20ml、朝晩飲ませた所、2日で反応がなくなった。念の為。1週間服用してもらい、発病に至らなかった。第2の人は、40歳代の女性、喉の違和感、味覚障害があり、本人の希望で、食生活で治したいというので、モズクをかなり摂取してもらった、結局、一日PCR陽性でホテル滞在、次の日に陰性になり、帰宅した。もずくでもごく軽く済んだ事例である。モズクの他に、東北北3県で良く食されている、アカモク、メカブ、その他の海藻類、青味魚も同様な効果がある。

**【考察】** COVID-19 の治療に対しては、いろいろの研究発表があるが、感染しないのが、一番良いことであり、その一助として、食生活とテラヘルツ波照射マスクが効果がある。

**【結語】** COVID-19 に対してはなかなか良い治療法が今の所見つかっていない。しかし、感染しにくい体質にするための食生活は、東北北3件などの殆どが患者が発生していない県の食生活にあるように思う。これらの地域でよく食されている青味魚も良いようである。終わりに、私に BDORT を伝授して下さった。大村先生、下津浦先生に心から感謝の意を表したい。

# Effect of Terahertz irradiation mask for Covid-19 and Effect of foods

**Dr. Chieko Hirobe Ph.D ORT-Pharm(4Dan)**  
(Correspondence: e-mail: cictus@me.com)

## ABSTRACT

### **【Object】**

Effective treatments against Covid-19 as well as preventive method have not yet been established. In the Bi-Digital O-Ring Test (BDORT), RCS (the antigen from SARS) is used for detecting COVID-19. Finding patients with this RCS, I checked the effect of the mask used. I also check several foods which will be good for COVID-19 prevention.

### **【Method】**

I examined the effect of terahertz wave irradiation mask. I also check on good foods to keep good health. Since it was quite hard to contact with patients (PCR +), I checked only using BDORT RCS + people.

There are many descriptions about terahertz wave irradiation products, and many products are on sale. Some of them are quite effective. However, many of the natural rocks and other products for sale are not very effective.

The terahertz region, which is usually 3  $\mu\text{m}$  to 3000  $\mu\text{m}$ . Since the terahertz wave is often referred to as a frequency, the frequency is 0.1-100  $\text{Thz}$ . But unfortunately, nothing has been developed to measure this entire region. So, how do you measure the ideal terahertz wave? At a moment, we measure the frequency that produces hydrogen ions at the highest concentration and at the shortest time when it is irradiated in water. That is about 35  $\text{THz}$ .

I checked several masks (1) as it is (2) irradiate for one night in Terahertz 35 ray.

I also check some food considered to be good for the health.

### **【Result】**

Effect of terahertz irradiation mask.

I use photo of a patient (COVID-19+)

	Mask not radiated	Mask radiated for 1day
Non-wiveb mask	COVID-19 +	COVID-19 —
Urethane mask	COVID-19 +	COVID-19 —
Cloth mask	COVID-19 +	COVID-19 —
Gauze mask	COVID-19 +	COVID-19 —

Water vapor in the breath that comes out of the mouth is changed to hydrogen cation by terahertz ray on the mask, which inactivates COVID-19. In addition, if our daily food is good enough, we will be quite safe against COVID-19.

One of my friends who was almost asymptomatic but RCS+, she took 20 ml of ORT Immumo Nano Fucose twice a day and continue to take it for one week, the reaction of RCS was — in two days. The second person was also my friend and RCS plus. She had some symptom, such as discomfort in the throat and tongue. She wanted to cure herself only by eating good foods.

I recommended to take Mozuku and other sea weeds every day. She was asking for PCR during this time, but finally she could check PCR and it was plus and she moved to the hotel.

On the next day, she came back to her house, because PCR became minus.

In addition to sea weeds, fishes, Japanese mushrooms, and millets will be good for avoiding infection.

### **【Conclusion】**

Terahertz irradiation mask is good for avoiding infection. In addition, good dietary habits make our body hard to get infected. Good dietary habits of three prefectures in Tohoku, Japan will give us some suggestion.

At the end, I would like to express my sincere thanks to Prof. Omura and Prof. Shimotsura. They taught me BDORT from the first time I met them.

## 当院におけるがんの診断と治療

### Telomere の上昇と Oncogene C-fos Ab2 の低下

石黒 栄紀 M.D., Cert. ORT-MD (1 Dan)<sup>1)</sup>,

石黒 香 Cert. ORT-Pharm (1Dan)<sup>2)</sup>

1)医療法人社団栄香福祉会 いしぐろクリニック、加賀市、石川県

2)日本治療食協会代表、加賀市、石川県

(Correspondence: e-mail: gold\_clinic@yahoo.co.jp, TEL:0761-73-0012, FAX:0761-73-1911)

#### 【目的】

がんの診断と治療は、同時並行で、行うものであり、日々刻々と変化する患者の容態を的確に判断しながら進むことが要求される。今回、当院におけるがんの治癒改善例の解析から、がんが治癒に向かうとき、まず Telomere 上昇がみられたあと、Oncogene C-fos Ab2 の低下がおこる。という仮説を打ち立てた。その仮説をもとに、当院でのがんの診断と治療の問題点について考察した。

#### 【対象と方法】

当院に来院する患者さんで、がんと確定診断を受けた方、もしくは前がん状態の方の Bi-Digital-O-ring Test(OMURA,Y.1977-2020;以下 BDORT)におけるマイナス領域において、8-OH-dG、Oncogene C-fos Ab2、Integrin  $\alpha_5\beta_1$ 、Telomere、細菌、ウイルス、重金属などを計測し、サプリメント投与、マイクロ波治療などを行いその効果を見た。

#### 【結果】

がん患者さんの Telomere は治療開始の段階ではかなり低いことも多い。10ng(BDORT Unit)以下 治療の進展とともに、Telomere はそれほど上昇しないが、Oncogene C-fos Ab2 の顕著な低下が認められるケースも多い。

#### 【考察】

治療効果が出ているが見えない因子が絡み、経過が複雑になる場合もある。治療効果と全身状態の相関が認められない場合がある。胸腺領域、がん遺伝子検査、ストレスマーカー検査を観察することは、患者さんの予後予測に役立つものとする。それは患者さん自身の生活状況レベルの評価でもあり、医者は患者と共に歩いていくものである。それらを総合的に見て判断し、治療効果を高めていくことが重要と考えられる。原因を探る治療でなければ本当の治療とは言えない。

#### 【結語】

1. Telomere を上昇のあと、Oncogene C-fos Ab2 が低下、
2. Telomere が低値のまま、Oncogene C-fos Ab2 が低下、どのような治療効果に結びつくのかは今後検討課題といたします。

# **Diagnosis and Treatment of Cancer in our Hospital Rise of Telomere and Decline of Oncogene C-fos Ab2**

**Eiki Ishiguro M.D., Cert. ORT-MD (1 Dan) <sup>1)</sup>**

**Kaoru Ishiguro Cert. ORT-Pharm (1Dan) <sup>2)</sup>**

1) Director, Ishiguro Clinic, Kaga City, Ishikawa Prefecture

2) President of Japan food association Kaga City, Ishikawa Prefecture

(Correspondence: e-mail: gold\_clinic@yahoo.co.jp, TEL: +81-761-73-0012, FAX: +81-761-73-1911)

## **ABSTRACT**

### **【Purpose】**

Diagnosis and treatment of cancer are performed in parallel and it is necessary to proceed while accurately judging the patient's condition that changes every day. This time, we analyzed cases of improved cancer healing in our hospital. We have hypothesized that when cancer goes to healing, telomere rises the first and oncogene dropped. Based on the hypothesis, we discussed the problems of cancer diagnosis and treatment in our hospital

### **【Subjects & Methods】**

Patients who came to our hospital who had the definitive diagnosis of cancer or those who were pre-cancerous had measured 8-OHdG, Oncogene C-fos Ab2, Integrin  $\alpha_5\beta_1$ , Telomere, Bacteria, Virus, and heavy metal in the negative area using BDORT and checked the effect using supplements and microwave therapy.

### **【Result】**

Telomere in cancer patients are often quite low at the beginning of treatment. In many cases, telomere does not rise so much, but oncogene often drops remarkably.

### **【Consideration】**

The treatment is effective, but there are cases where factors that are not visible are on board and the process may be complicated. In some cases, there is no correlation between treatment effect and general condition. We think that observing the thymus, cancer genetic testing and stress marker test will help predict the prognosis of patients.

It is an assessment of the patient's own living situation level.

Doctors follow the same path with their patients. It is considered important to judge them comprehensively and enhance the therapeutic effect.

It cannot be said that the real treatment if it is not treatment to explore the cause.

### **【Conclusion】**

1.Oncogene C-fos Ab2 declines after Telomere rise. 2.Telomere remains low and oncogene fall. These two therapeutic effects will be considered for further study.

# アドバンス・クリニック東京におけるがん活性消滅療法の報告

## Report of CEAT at Advance clinic Tokyo

石井宏則 M.D., Ph.D.

アドバンス・クリニック東京

Hironori Ishii, M.D., Ph.D. Advance Clinic Tokyo

### 要約

2014年4月より、アドバンス・クリニック東京でCEAT（Cancer Energy Annihilation Therapy）を開始し、2019年3月で5年となる。5年間で計1407例のCEATを行い、その成績について考察したので報告する。来院患者全1407名のうち男性424名、女性983名であり1:2で女性が多く、平均年齢は70.6歳（7歳～97歳）、癌腫は全43種であり、乳がん、肺がん、大腸がん、前立腺がん、膵臓がんの順に多かった。今回、治療に対する評価において1407例のうち追跡可能な1030例（追跡率73.2%）を対象に検討を行った。その結果、初診時BDORTにてがんの反応がみられたのは651名（63.2%）であり、患者のステージはStageIVが210例（32.3%）と最も多かった。CEATの加療後に反応が消失したものは、422例（64.8%）であった。その一方で死亡例は130例（19.9%）であった。

### Abstract

It has been 5 years since the CEAT started at Advance Clinic Tokyo. In the period from April 2014 to march 2019, 1407 cases of CEAT has been conducted.

Of the 1407 cases, the male to female ratio was approximately 1:2, with 424males and 983 females. The average age was 70.6 years old, the youngest being 7 years old and the oldest, 97 years old. There were 43 types of cancers reported. The most frequently seen types were breast cancer, lung cancer, colorectal cancer, prostate cancer, and pancreatic cancer.

In this report, 1030 trackable cases out of 1407 were taken into consideration. 651 cases showed cancer reactions when first investigated using BDORT, and in the 651 cases, 422 cases reported no cancer reactions after CEAT. Furthermore, of the 422 cases in which cancer reactions were no longer seen. On the other hand, 130 deaths were reported.

# Discovery of a Precise and More Sensitive Point in the Palm of the Hand for the Detection of Malignant Resonance using the BDORT

Gustavo Vilela, MD

Correspondence: Rua Barão de Capanema, 98 ap  
22 01411-010 São Paulo, SP – Brazil  
[gvilela1000@gmail.com](mailto:gvilela1000@gmail.com)

## ABSTRACT:

### Introduction:

The BDORT is an experimental technique that allows the measurement of a spectrum of signature frequencies that vibrate from the patient's body (non-invasive measurement of the existing bio resonance between the patient's body and a reference marker).<sup>1,2,3,4</sup>

In Oncology, the BDORT is potentially useful to detect minimal residual disease. Therefore, it is an extremely sensitive method since it would be able to detect the presence of tumoral resonance in sub-radiological and sub-clinical phases.

Classically, malignant resonance can be detected in the tumoral sites, in the thymus gland, the umbilical scar and other representative points in microsystems' areas.

During the follow up of cancer patients it is extremely common to observe disappearance of tumoral resonance as the treatment evolves. This disappearance generally is a good sign of response to the treatment or better control of tumor activity. However, unfortunately there are a number of patients that exhibit progressive disease despite tumoral resonance negativity. These paradoxical situations reveal that the thymus, the umbilical scar and the tumoral sites have limited capacity to emanate malignant resonance, causing false negative results.

For this reason, we looked up for other points that might have more sensitivity in detecting tumoral resonance.

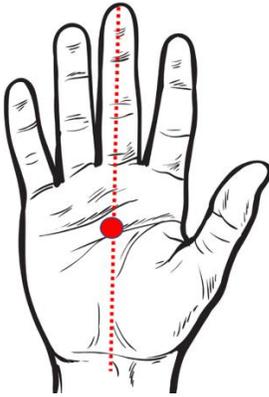
### Method:

We selected 15 oncological patients with varied cancer diagnosis (gastric carcinoma = 1, retroperitoneal germ cell tumor = 1, liposarcoma = 1, thyroid papillary carcinoma = 1, breast adenocarcinoma = 4, squamous cell cervical carcinoma = 1, melanoma = 1, serous ovarian carcinoma = 2, chronic lymphocytic leukemia = 1, colon adenocarcinoma = 2). All the patients had a biopsy-proven diagnosis and were under treatment. They were examined once a week in the search of malignant signals. In order to evaluate the tumor resonance emanating from the patients' bodies we used homologous cancer tissues as reference markers. These tissues were selected from our personal archive and consisted of varied samples of human neoplasia tissues whose classification was confirmed by a pathologist, then embedded in paraffin and fixed into microscopic slides. The tumoral resonance was measured in the commonly used points: thymus, umbilical scar and the tumor sites themselves. The moment the malignant resonance disappeared in these areas we looked up for other points that might still have pathologic signals.

### Results:

We found a point in the palm of the hands that exhibit abnormal resonance even when it has disappeared elsewhere. This point is located at the center of the palm, mid-way in an imaginary longitudinal line going

from the 3<sup>rd</sup> finger extremity to the middle of the wrist. It is the point of deepest concavity of the hand. This point was named Central Palmar Point (CPP).



**Conclusion:**

Consequently, negative resonance in the thymus gland, umbilical scar and at tumor sites is not a guarantee of disease control, since it can be a false negative. Negativity of malignant resonance in these points can give a false impression of good oncologic control. By utilizing the CPP it is possible to augment the sensitivity of the clinical evaluation.

According to this study, the criterion of negativity of tumoral resonance should be always confirmed in the CPP.



Figure 1: patient with a newly diagnosed, non-metastatic gastric cancer (not yet operated). The malignant resonance is negative in the thymus, umbilical scar, and the gastric area, but can be detected in the CPP.



Figure 2: patient with a newly diagnosed thyroid papillary carcinoma (not yet operated). The malignant resonance is negative in the thymus, umbilical scar, and the thyroid area, but can be detected in the CPP.

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## **BDORT and Health**

**Alves, L.R.F., MD**, Cardiology, Post Graduate in Orthomolecular Practice, Acupuncture, Functional Medicine – cardiometabolic and immune modules, Clinical Practice at BDORT Integrative Medicine Out Patient Clinic of ACL Foundation

(Correspondence: e-mail: dralaraalves@hotmail.com)

### **ABSTRACT**

BDORT is a medical propaedeutic discovered and developed by Professor Yoshiaki Omura. Enables early diagnosis of changes and also assists in the therapeutic process. We present a clinical case where a patient was evaluated by Professor Omura in 2012 having her diagnosis. In 2017, she presented symptom and underwent surgical intervention. She evolved uneventfully and is still clinically well. BDORT was used throughout the process to provide a healthy environment for cells, from helping with food choices, the most suitable clothes and best place to sleep and work. BDORT is able to guide small daily attitudes that add up to facilitate cell physiology.

# **EVALUATION OF OXIDATIVE STRESS AND ADJUSTED TREATMENT WITH BDORT IMPACTING ON INCREASED SURVIVAL**

**De Oliveira, C. A.; M.D.**; Anesthesiologist, Oncologist, Specialist in Integrative Medicine, Director of Health Concept Clinic and The Health Concept Human Development; Director of CADO Research Institute and President of the International Oxidative Stress Observatory - Brazilian Session; Coordinator and professor at the Graduate Program in Integrative Medicine at the University of Uberaba (UNIUBE); Active member Brazilian Medical Association of Bi-Digital O-ring Test (AMBBORT), member of the Society for Integrative Oncology (SIO / USA), and President of the World Academy of Integrative Medicine (WACIM); Master student of the Genetics and Biochemistry program at the Federal University of Uberlândia.

(Contact to correspondence: [clarissaoliveira@hotmail.com](mailto:clarissaoliveira@hotmail.com))

## **ABSTRACT**

In recent years there has been an increase in the focus and management of Oxidative Stress due to its importance in the origin and control of the causes of illness.

We observed that when measuring this condition for our patients with BAP and Drom tests and adjusting the proposed therapy to correct the various pathological conditions, adjusting the choice of supplement and dose with the BDORT test, there was a significant impact on quality survival life of our cancer patients

**POSITIVE BIOLOGY, SUCCESSFUL AGING AND WISDOM.  
TOWARDS THE BIOLOGY OF VIRTUES?**

**Dr Prof Eugenio Luigi Iorio, MD, PhD.** President of the International Observatory of Oxidative stress (Italy, Japan, Greece, Brazil, and Argentina).

**ABSTRACT**

Successful aging derives from a unique combination of personal, genetic, environmental, and casual factors, where redox changes play a determinant role. The best way to start the path of longevity is to follow positive phenotypes, i.e., people who have reached a happy and healthy old age. The study of such people leads to consider the importance of imperceptible, intangible factors linked to a person's spirit, such as a series of virtues, among which wisdom stands out. Over 700 years ago, Thomas Aquinas decreed, “of all the pursuits open to men, the search for wisdom is most perfect, more sublime, more profitable, and fuller of joy.” Evidence suggests that wisdom is related to better physical health and improved quality of life among older adults. In light of these considerations, the aim of my speech will be to outline the biological basis of a happy old age, with particular reference to the definition and the measurement of wisdom.

## 健全な免疫力を恒久的に獲得する方法ーガン患者を診るにあたっての歯科の役割ー

藤巻 五朗 D.D.S., Ph.D., Cert. ORT-DDS (4Dan)

パストラル歯科、台東区上野、東京

(Correspondence: e-mail: info@Pastoral-shika.net, Fax: 03-3836-3418)

### 【はじめに】

歯科領域には発症率 70%を超える病がある、感染症の歯周病である。この病態は治療しても、そのほぼ 100%は再燃するか、再発して、結局は歯を失う。さらに領域を全身に広げると、発症率が 50%で、しかもその半数は死に至る病がある。それはガンである。これらは共に生活習慣病であり、現代のはやり病と呼ぶべきで、治療が難しく、誠に異常な状況である。これらは免疫力が低下すると決まって再燃・再発して悪化する。しかし、歯周病患者を 40 年以上診ているとある条件下では、長期間再燃・再発せず、しかも加齢に伴うマイナス現象を超えて、一度も悪化しない。その免疫力の高まった症例は全身的にもとても良好に経過している。

一方、ガンが発病するのには、たとえこの部位のガンであったとしても、患者は日常生活の中でガンを発症する体質になっていたはずである。すなわち、気づかず免疫力の低下した体質になっていたのは確かである。そこでガン患者に歯科での再燃・再発しない免疫力対策を応用してみてもどうであろう。

### 【目的】

口腔機能の中でも、無意識唾液嚥下時の上顎への下顎の軽い接触（噛み合わせ）は自律神経系に関わるだけでなく、免疫力を担う胸腺組織に瞬時に、直接的に強く影響している<sup>1)</sup>。そこで、免疫力の低下しているガン患者の口腔機能を改善することで、体質的に低い免疫力を回復健全化させ、さらに高い免疫力を恒久的に、獲得する方法を提案する。

### 【方法】

1. ガン患者の免疫力は術前に、胸腺組織細胞の若さと健全度の指標となる Telomere 量<sup>2)</sup>を普段の自然な状態で測定し、免疫力として判定する。それは ORT 生命科学研究所製作の定量濃度測定試料(RCS)を用いて、Bi-Digital O-Ring Test (Omura Y.1977-2020;BDORT)の共鳴現象を応用し、安静状態で測定し<sup>4)</sup>、術前の胸腺組織の通常免疫力とする。

2. ガン患者の口唇を軽く閉じさせ、上下の歯を自然に触れ合い接触させたときの Telomere 量を測定する。この段階では、ガン患者の咬合はまだ非生理であるため、免疫力は低下したままなので、上下の歯が直接的に触れ合うことは、1 の状況から非生理状態への接触となり、Telomere 量は減少する。

3. そこで上下の歯の咬合面の影響を遮断するため、左右歯列にコットンロールを一本ずつ、あるいは薄紙片を一枚ずつ噛み挟んで測定する。目的は現状での歯の咬合面が直接的に触れ合うとマイナス現象が発生するので、それをあえて遮断した上で、下顎の位置を微妙に変えてみて、Telomere 量がどのように変わるかを検索する。ここで Telomere 量を増加させる下顎の位置があれば、歯科での対策で胸腺機能を健全化でき、免疫力が向上する予測がつく。

4. 上下の歯を軽く接触させたとき、胸腺 Telomere 量を確実に増加させ得る下顎の位置に誘導確定し、その位置を日中活動時に安定して維持できるように歯科技術を用いて確立する。

4-1) 噛み合わせの高さを変えないで、水平的な位置変化を必要とする症例では、前後的に、左右的に、あるいは複合的に変位させて下顎の適正位置を探る。

4-2) 咬合高径の変更が必要な症例では、高径をさらに挙上すべきか？逆に下げるべきか？ その上で、水平的な変位を必要としているのか否か、などから Telomere 量を確実に増加させ得る適正な下顎位置とそれを保持できるように歯の形態を修正し確立する。

5. 夜間睡眠中でも、無意識唾液嚥下は行う。その嚥下時、歯は瞬間的に軽く接触するので、睡眠中でも Telomere 量を確実に増加させ得る下顎の位置を獲得できてなければならない。そのためには睡眠姿勢をとる中で、BDORT-PSF (睡眠姿勢での嚥下時に生理的下顎位置に落ち着けるように滑走誘導する藤巻型装置)<sup>9)</sup>を製作して、睡眠中使用させて、Telomere 量を安定して確実に増加させ、胸腺機能を正常化して、免疫力を回復、改善する必要がある。

一般的に仰臥位睡眠姿勢では下顎の位置は重力により下方に偏位しているので、その位置からの無意識唾液嚥下では、必ず不正な上下歯列の接触関係となり、Telomere 量は減少して、胸腺機能は低下する。しかし、たとえ昼間活動時に胸腺機能を正常化させて、Telomere 量を確実に増加させる下顎の位置を確立したとしても、ひとは誰でも、睡眠中に無意識唾液嚥下を行うので、そのとき胸腺の生理性が確保されていなければ、恒久的に高値安定した Telomere 量を獲得することはできない。

この4と5の段階が歯科的知識と手法・技法を最も必要とする複雑なところである。

6. 口腔環境が改善され、無意識唾液嚥下と食事時の咀嚼嚥下が行われるたびごとに安定して Telomere 量が増加できる環境になっているかを確認する。すなわち、5分間のガム噛み、またはカチカチ動作をして測定確認する。

### 【胸腺組織細胞 Telomere 量の測定結果】

ガン患者の胸腺細胞 Telomere 量は減少していて、胸腺機能は低下している。その状況では噛み合わせは非生理であり、自然に噛み合わせた時、1/2 倍に減少し、5分間のガム噛み後ではさらに 1/2~1/4 倍に減少した。しかし、口腔機能を改善して、噛み合わせを正常化させた後では、自然に咬合させた時、2 倍に増加し、5分間のガム噛み後ではさらに 4 倍増加した。

また、日中活動時、噛み合わせが生理的に確立していて、夜間仰臥位睡眠姿勢での無意識唾液嚥下時、非生理咬合であったとしても、BDORT-PSF を使用したうえで睡眠している患者の胸腺 Telomere 量は確実に増加傾向を安定的に獲得することができた。しかし日中正常であるとしても、夜間睡眠中での無意識唾液嚥下時に非生理である上に、BDORT-PSF を使用していない患者での胸腺 Telomere 量は、日中増加したとしても睡眠中減少するので、胸腺機能の改善には至らない。これでは免疫力改善を得ることはできない。

### 【考察】

普段上下の歯は触れ合っていない。もし噛み合わせていれば、それは異常である。しかし、ひとは誰でもが無意識に、安静時での生理的唾液飲み込み行動を行う。この嚥下行動の時は必ず、上下の歯は瞬間的に軽く接触する。この嚥下時の瞬間的接触は生きている限り、日常生活習慣として途切れることなく、一日に 1000~2000 回も行っている生理現象であり、本能的行動である。この本能的生理現象の無意識唾液嚥下が Telomere の増減に確実に関わっている。それは噛み合わせが BDORT に適合していたか否かで、全く逆の増減を示す。昼夜共に生理咬合者であれば普段の生活をする中で唾液嚥下時 Telomere を 2 倍に増加させる。さらに、ファンタム エフェクト内での好循環を回転させ続けるので、胸腺を一層安定正常化できて、免疫力が高まり、心身の健全化が得られる。加えて、日に三度の食事では、その食品内容にかかわらず、食事時の咀嚼嚥下で Telomere は 4 倍も増加する。それは例えばガン患者であっても、さりげない生活をしているその中で、生きて、食事をするその本能的生理行動が細胞染色体を健全化し、質の高い免疫力を恒久的に獲得さ

せる。そこで体質はより一層改善するので、ガンや感染症の発現増悪化を防ぐことができる。

一方、BDORT 不適合咬合者では全く逆で、さりげない生活をするその中で、Telomere 量を減少させている。これはファンタム エフェクト内での悪循環をさらに続けることになるので、細胞染色体は不安定になり、ガンを発病させ、増悪化することになる。故に、細胞染色体レベルでの改善がないのだから、がん患者にどのような治療を行ったとしても、むしろ、病状は悪化していくことになる。さらに三度の食事が加われば状況はなおさら悪化する。

### 【結語】

ガン患者の胸腺細胞 Telomere 量は減少していて、胸腺は機能を発揮していない。それに伴い免疫力は低下している。一方、本能的生理行動として誰でも行っている無意識唾液嚥下と三度の食事時の咀嚼嚥下時の上下の歯の接触は、胸腺細胞の Telomere 量を常に増減させている。無意識唾液嚥下時の上下歯の接触が昼夜共に適正咬合者では胸腺細胞の Telomere 量を確実に増加させる。それはガン組織を細胞レベルから改善して、患者の体質的に低い免疫力を回復、健全化させて、さらに高い免疫力を恒久的に獲得させ続け、ガンをなおしていく。しかし不適切咬合者では胸腺細胞の Telomere 量を減少させ、染色体を不安定にして、老化を早め、免疫力を低下させて、気づかずに、がんの発症・増悪化となり、心身を悪化させる。

この日常の誤った本能的生理行動こそが生活習慣病の真の原因であり、ガン治療や歯周病治療を成功させない真の理由である。

歯科の役割としては、気づかず無意識に行っているこの本能的生理行動が胸腺細胞の Telomere 量を増加させ得るように BDORT を駆使して噛み合わせを適正化し、胸腺細胞染色体を健全化させることで、免疫力を細胞染色体レベルから改善向上させ、ガン患者を心身共に健康にすることである。

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# **How to Permanently Obtain Healthy Immunity -The Role of Dentistry in Examining Cancer Patients-**

**Fujimaki Goro D.D.S., Ph.D., Cert. ORT-DDS (5Dan)**

Pastoral Dental Office, Ueno, Taito City, Tokyo, Japan  
(Correspondence: e-mail: info@Pastoral-shika.net, Fax: +813-3836-3418)

## **ABSTRACT**

### **【Introduction】**

It is an infectious periodontal disease that has a disease rate of over 70% in the dental field. Even if this condition is treated, almost 100% of it relapses or recurs and eventually loses teeth. If the area is further spread over the whole body, the incidence is 50%, and half of them have a fatal disease. It's cancer. Both of these are lifestyle-related illnesses, and today's illnesses should be called spell illnesses, which are difficult to treat and are truly abnormal. When the immunity is lowered, they are usually relapsed and recurred to worsen. However, if a patient with periodontal disease has been examined for 40 years or more, it does not recur or recurrence for a long period of time under a certain condition, and beyond the negative phenomenon associated with aging, it never deteriorates. The case in which the immunity is increased has progressed very well in the whole body. On the other hand, in order to develop cancer, no matter where the cancer originates, the patient must have a constitution to develop cancer in daily life. In other words, it is certain that the immune system had become weaker without realizing it. Therefore, why not try applying immunity measures that prevent dental recurrence / relapse in cancer patients?

### **【Purpose】**

Among oral functions, the light contact of the lower jaw to the upper jaw during unconscious saliva swallowing not only affects the autonomic nervous system, but also has a direct and immediate effect on the thymus tissue that plays a role in immunity<sup>1)2)</sup>. Therefore, we propose a method of improving the oral function of a cancer patient whose immunity is weakened to restore the constitutionally low immunity to a healthy state and permanently acquire a higher immunity.

### **【Method】**

1. Immunity of cancer patients is determined as the immunity by measuring the Telomere amount<sup>3)</sup>, which is an index of the thymus tissue cell's youth and health, in the usual natural condition before experiment. It uses a quantitative concentration measurement sample (RCS) manufactured by ORT Life Science Institute and applies the resonance phenomenon of Bi-Digital O-Ring Test (Omura Y.1977-2020; BDORT) to measure in a resting state <sup>4)</sup>, The normal immunity of thymus tissue before experiment.
2. The amount of Telomere when the lips of a cancer patient are lightly closed and the upper and lower teeth are naturally brought into contact with each other is measured. At this stage, the occlusal bite of the cancer patient is still non-physiological, so the immunity remains weak, so the direct contact between the upper and lower teeth is a contact from the situation of 1 to the non-physiological state, and the Telomere amount is Decrease.
3. Therefore, in order to block the influence of the occlusal surfaces of the upper and lower teeth, one cotton roll or one thin paper piece is sandwiched between the left and right dentition for measurement. The purpose is that a negative phenomenon occurs when the occlusal surfaces of the current teeth directly touch each other, so after intentionally blocking it, try subtly changing the position of the lower jaw to find out how the Telomere amount changes. To do. If there is a position of the lower jaw that increases the amount of Telomere,

it is possible to improve the immune system by improving the thymus function with dental treatment.

4. When the upper and lower teeth are lightly touched, the position of the lower jaw that can surely increase the amount of thymus Telomere is determined and established, and it is established using dental technology so that the position can be stably maintained during daytime activities.

4-1) In cases where horizontal position change is required without changing the bite height, the optimal position of the lower jaw is searched by displacing it in the anteroposterior, lateral, or combined manner.

4-2) Should the height of the occlusal height be further increased in cases requiring a change in the occlusal height? Should it be lowered? On top of that, based on whether or not horizontal displacement is necessary, correct the lower jaw position that can reliably increase the Telomere amount and correct and establish the tooth shape so that it can be maintained.

5. Perform unconscious saliva swallowing even during night sleep. During swallowing, the teeth come into light contact with each other instantaneously, so it is necessary to acquire the position of the lower jaw that can surely increase the amount of Telomere even during sleep. For that purpose, while taking a sleeping posture, BDORT-PSF (Fujimaki type device that guides sliding so as to settle to the physiological lower jaw position when swallowing in a sleeping posture) <sup>5)</sup> was manufactured and used during sleep, and the Telomere amount was used. It is necessary to stabilize and reliably increase thymus gland, normalize thymus function, and restore and improve immunity.

Generally, in the supine sleeping position, the position of the lower jaw is deviated downward due to gravity, so unconscious saliva swallowing from that position will always result in an incorrect upper and lower dentition contact relationship, and the Telomere amount will decrease. Thymus function is reduced. However, even if normalization of thymus function during daytime activity establishes a mandibular position that reliably increases Telomere volume, all humans perform unconscious saliva swallowing during sleep, and at that time, physiology of the thymus If the sex is not secured, it is not possible to obtain a permanently high Telomere amount that is stable.

These steps 4 and 5 are the most complex areas that require dental knowledge and methods / techniques.

6. It is confirmed that the oral environment is improved so that the amount of Telomere can be stably increased each time unconscious saliva swallowing and chewing swallowing during meals are performed. That is, chewing gum for 5 minutes or ticking to check the measurement.

### **【Results of measurement of thymic tissue cell Telomere】**

The amount of thymocyte Telomere in cancer patients is decreased and the thymic function is decreased. In that situation, the bite was non-physiological, with a 1 / 2-fold reduction when naturally chewed and a further 1 / 2-1 / 4-fold reduction after 5 minutes of chewing gum.

However, after improving the oral function and normalizing the bite, it increased twice when it was naturally occluded, and further increased four times after chewing gum for 5 minutes.

Moreover, during daytime activities, even if the bite is physiologically established and unconscious saliva is swallowed in the supine sleep position at night, even if there is non-physiological occlusal, sleep after using BDORT-PSF. The amount of thymus Telomere of the patients who were present could surely acquire the increasing tendency stably.

However, even if it is normal during the daytime, it is non-physiological during unconscious saliva swallowing during night sleep, and the amount of thymus Telomere in patients who do not use BDORT-PSF decreases during sleep even if it increases during the daytime.

Therefore, the thymus function is not improved. Immunity cannot be improved with this.

### **【Consideration】**

Usually the upper and lower teeth do not touch each other. If it does, it's abnormal. However, everyone unconsciously performs physiological saliva swallowing behavior at rest. At the time of this swallowing action, the upper and lower teeth make a momentary light contact. This momentary contact during swallowing is a physiological phenomenon that is performed 1000 to 2000 times a day without interruption as a daily habit as long as alive, and is an instinctive behavior. The unconscious saliva swallowing of this instinctive physiological phenomenon is definitely involved in the increase and decrease of Telomere. It shows the opposite increase and decrease depending on whether or not the bite was suitable for BDORT. If the person has a physiological occlusal both day and night, he / she doubles the Telomere when swallowing saliva in his / her normal life. Furthermore, since the virtuous cycle within the phantom effect continues to rotate, the thymus can be further stabilized and normalized, immunity can be enhanced, and mental and physical health can be obtained. In addition, three meals a day increased Telomere by a factor of four with chewing and swallowing during the meal, regardless of the food content. Even if it is a cancer patient, even though he / she lives a casual life, the instinctual physiological behavior of living and eating makes the cell chromosome healthy and permanently acquires high-quality immunity. Therefore, since the constitution is further improved, it is possible to prevent the exacerbation of the expression of cancer and infectious diseases. On the other hand, in the case of BDORT incompatible occlusion patients, the opposite is true, and the amount of Telomere is reduced in the life in which they are casual. This will continue a vicious cycle within the phantom effect, which will destabilize the cell chromosomes and cause cancer to develop and worsen. Therefore, since there is no improvement at the cell chromosome level, no matter what treatment is given to the cancer patient, the medical condition will be exacerbated. The situation gets even worse with three more meals.

### **【Conclusion】**

The amount of thymocyte Telomere in cancer patients is decreased, and the thymus is not functioning. Along with that, the immunity is reduced. On the other hand, contact between the upper and lower teeth during unconscious saliva swallowing, which is an instinctual physiological action, and chewing and swallowing during three meals always increases or decreases the Telomere amount of thymocytes. The contact between the upper and lower teeth during unconscious saliva swallows increases the Telomere amount of thymocytes in the proper occlusion day and night. It improves the cancer tissue from the cellular level, restores and restores the patient's constitutionally low immunity, continues to acquire even higher immunity, and repairs cancer. However, in the case of improper occlusion, the amount of Telomere of thymocytes is decreased, the chromosome is destabilized, aging is accelerated, the immunity is lowered, and the onset and exacerbation of cancer is continued without deterioration and the physical and mental health is deteriorated. Let This mistaken daily instinctual physiological behavior is the true cause of lifestyle-related diseases, and the true reason why cancer treatment and periodontal disease treatment are not successful. The role of dentistry is to use BDORT to optimize occlusion and to restore thymocyte chromosomes so that this instinctual physiological action that is performed unconsciously can increase Telomere amount of thymocytes. Therefore, it is to improve the immunity from the cell chromosome level to improve the mental and physical health of cancer patients.

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# 下津浦内科医院で経過フォロー中の患者さんの中で ガンを発見された患者さんについての検討

下津浦 康裕 M.D.,F.I.C.A.E., Cert. ORT-MD (7 Dan)

日本 BDORT 協会会長；下津浦内科医院院長

(Correspondence: e-mail : seimei@bdort.net, FAX : +81-942-36-1961)

## 抄 録

**目的：** 著者は、バイ・デジタル O-リングテスト (Omura, Y. 1977-2020; 以下 BDORT) を応用してガン患者の診断・治療を行っている。ガンを心配で来院された患者さんの発癌ガンの時期に差があるかどうかについて検討したので、ここに発表する。

**対象：** 下津浦内科医院に 1996 年～2020 年に来院し、経過フォロー中の患者の中でガンが発見された患者 31 名 (男性 18 名 (平均年齢：59.0±9.06 歳) 女性 13 名 (平均年齢：57.15±13.25 歳) ) について検討した。

### 方法：1. BDORT で用いる RCS (Reference Control Substance)

RCS として 8-OH-dG, Integrin  $\alpha_5\beta_1$ (Oncogene C-fos Ab2) や腫瘍マーカーの RCS (CEA, PSA, AFP, CA15-3, CA19-9, CA125, NSE, CYFRA etc.) を用意し、BDORT でガンの状態を診断した。更に、各種、ガン組織標本を準備して、ガン組織標本との共鳴現象も調べた。

### 2. BDORT 結果のリスク分け

Integrin  $\alpha_5\beta_1$ (Oncogene C-fos Ab2) の数値で 1 mg ( $10^{-3}$  g BDORT Unit) 以上を High Risk Group,  $10^{-24}$ g~ $10^{-5}$ g BDORT Unit を Middle Risk Group,  $10^{-25}$ g BDORT Unit 以下を Low Risk Group と 3 段階にリスクを分けた。

### 3. 西洋医学的な検査との対比

患者に対しては、現代医学的に、採血による腫瘍マーカーの検査、エコー、X 線、CT、MRI 検査、内視鏡検査 etc.を行った。治療前後で腫瘍マーカーの比較検討を行った。また、他院へ紹介して、検査結果の返事をもらったものも検討した。

## 結果

1. ガン発見までの経過期間は、男性では 6.6～23 年で平均期間：11.77±4.57 年で発見されたのは、胃癌 5 名；大腸ガン 3 名；前立腺ガン 3 名；肝臓ガン 3 名；腎臓ガン 2 名；肺癌 1 名；食道ガン 1 名の合計 18 名であった。
2. 女性では 4～24 年で平均期間：11.62±5.45 年で発見されたのは、乳癌 4 名；大腸ガン 2 名；肺癌 2 名；胃癌 1 名；膀胱癌 1 名；子宮ガン 1 名；卵巣ガン 1 名；肝臓

ガン 1 名の合計 13 名であった。

3. High Risk Group のレベルになってから、ガン発症までの年数を検討したら、男性は  $2.44 \pm 2.01$  年、女性は  $5.15 \pm 4.13$  年になっていた。
4. 腫瘍マーカーが正常値より高い人は、発症までの期間が短い傾向にあった。
5. 8-OH-dG, Integrin  $\alpha_5\beta_1$ (Oncogene C-fos Ab2)の数値が、上昇・下降してから、タイムラグがあって腫瘍マーカーが上昇・下降する傾向にあった。

## 考察

1. BDORT の発症予測より遅れて、発症した人は、乳酸菌、中国パセリ、藍、プロポリス、フコイダン等のサプリメントを服用している人が多い傾向にあった。
2. BDORT によるサプリメントを適量どおり服用しないと、BDORT の結果が悪化し、発症に至るケースが見受けられた。
3. BDORT の指導で、最長 23~24 年後に発症する症例があったが、BDORT による健康指導で発症の成長曲線のスピードを遅くすることが可能であると判断された。
4. 女性で 4 例、男性で 1 例重複ガンが見られた。  
1 例は Adenocarcinoma of Stomach と Signet Ring Cell Carcinoma of Stomach  
2 例目は、子宮がん術後 12 年目に膀胱ガンが発見された。3 例目は肝臓がんの症例で数年後に肝臓がんの再発が見られた。4 例目は乳癌術後で 8 年目に卵巣ガンが発見された。男性の症例は初診後 1 年後に胃癌、8 年後に大腸がんが発見された症例である。重複ガンが見受けられる症例は、生活習慣が改善されていない可能性もあるので、生活習慣の指導も必要と思われた。

# **Examination of Patients Who were found to have Cancer Among the Patients Who are being Followed up at Shimotsuura Clinic**

**Yasuhiro Shimotsuura M.D., F.I.C.A.E., Cert. ORT-MD (7 Dan)**

President, Japan Bi-Digital O-Ring Test Medical Association; Director, Shimotsuura Clinic

(Correspondence: e-mail : seimei@bdort.net, FAX : +81-942-36-1961)

## **ABSTRACT**

**Purpose :** The author applies the Bi-Digital O-Ring Test (Omura, Y. 1977-2020; hereinafter BDORT) to diagnose and treat cancer patients. We have examined whether there is a difference in the timing of carcinogenic cancer in patients who came to our hospital because of concerns about cancer, so we will announce it here.

**Subject :** 31 patients (18 males (mean age  $59.0 \pm 9.06$  years)) and 13 females (mean age:  $57.15 \pm 13.25$  years old) who visited the Shimotsuura Clinic from 1996 to 2020 and were found to have cancer among the patients who were being followed up.

### **Methods : 1. RCS (Reference Control Substance) used in BDORT**

8-OH-dG, Integrin  $\alpha_5\beta_1$  (Oncogene C-fos Ab2) and tumor marker RCS (CEA, PSA, AFP, CA15-3, CA19-9, CA125, NSE, CYFRA etc.) as RCS We prepared and diagnosed the cancer condition by BDORT. Furthermore, various types of cancer tissue specimens were prepared, and the resonance phenomenon with the cancer tissue specimens was also investigated.

### **2. Risk Evaluation of the Results of BDORT**

It is Middle Risk Group. in the above 1 mg ( $10^{-3}$  g of BDORT Unit) with a number of Integrin  $\alpha_5\beta_1$  (Oncogene C-fos Ab2) in High Risk Group,  $10^{-24}$ g~ $10^{-5}$ g BDORT Unit We divided a risk into Low Risk Group and three phases in less than 10-25 g of BDORT Unit.

### **3. Comparing with BDORT & Western Medical**

For the patients, we performed examination, echo, X-rays, CT, MR imaging of the tumor marker by the drawing blood, endoscopy etc. for contemporary medicine. We weighed the tumor marker in before and after therapy. Also, we referred you to another hospital and examined the thing which got the answer of the test result

## Results

1. Course time to cancer discovery is mean time in the men in 6.6-23 years: What was discovered in Average  $11.77 \pm 4.57$  years. five gastric cancer, three colorectal cancer, Three Prostate cancers, three liver cancer, two kidney cancer, one lung cancer, there were 18 people of one esophageal cancer in total.
2. It is mean time in the women in 4-24 years: What was discovered in average  $11.62 \pm 5.45$  years. four breast cancer, two colorectal cancer, two lung cancer, one gastric cancer, One bladder cancer, One uterine cancer, One ovarian cancer, There were 13 people of one liver cancer in total.
3. As for the men, as for the women, it was in  $5.15 \pm 4.13$  year in  $2.44 \pm 2.01$  year when we examined the number of years until cancer genesis after becoming the level of High-Risk Group.
4. The person whom a tumor marker was higher in than normal tended to have a short time to cancer genesis.
5. There was time lag, and a tumor marker tended to lift and lower it after a number of 8-OH-dG, Integrin  $\alpha_5\beta_1$  (Oncogene C-fos Ab2) lifted and lowered it.

## Consideration

1. Many patients who developed cancer later than BDORT's cancer prediction tended to take supplements such as lactic acid bacteria, Chinese parsley, indigo, propolis, and fucoidan.
2. If you do not take the BDORT supplement in the proper amount, the BDORT result will worsen. However, there were cases of carcinogenesis.
3. Under the guidance of BDORT, there was a case of carcinogenesis after a maximum of 23 to 24 years, but BDORT risk assessment that it is possible to slow down the growth curve of carcinogenesis with health guidance was done.
4. Duplicate cancer was seen in 4 cases in women and 1 case in men. One case is Adenocarcinoma of Stomach and Signet Ring Cell Carcinoma of Stomach, as for the second case, bladder cancer was detected in the uterine cancer twelfth year after surgery. The third patient had a recurrence of the liver cancer in a case of the liver cancer several years later. As for the fourth case, ovarian cancer was detected after the breast cancer technique in the eighth year. A case of men is the case that colorectal cancer was detected gastric cancer, eight years later one year after initial diagnosis. Because a lifestyle might not be improved as for the case that multiple primary cancer was founded, it seemed that the instruction of the lifestyle was necessary.

**Long Lasting Beneficial Effects of More Than Few Months After Giving of One Stimulation of BDORT Strong Positive Stimulation of BDORT Strong Positive Stimulation was Found to be due to Long Lasting Burnes Tissue Created by Micro Tissue Damage.**

**Yoshiaki Omura, M.D., Sc.D., FACA, FICAE, FAAIM, FRSM**

Adjunct Prof., Dept. of Family & Community Medicine, New York Medical College;  
President & Prof., International College of Acupuncture & Electro-Therapeutics;  
Former Director of Medical Research, Heart Disease Research Foundation;  
Editor-in-Chief, Acupuncture & Electro-Therapeutics Research, International Journal of Integrated Medicine (Indexed by 17 major international indexing periodicals)

When anyone is speaking to a group of people, it is an essential responsibility to wear a non-black mask (or outerwear) since many black materials indicate a BDORT rating as an unhealthy value. Also, most women's material that is black receives BDORT's worst grading of (-12). If the woman has breast or lung cancer, it can promote growth in the cancers. However, regardless of experimentation, when a grading of BDORT is a strong (+), instantly the best result is obtained. Concerning CNN, Anderson Cooper had some problems with the left side of his brain when he was shown on TV, but his baby has a BDORT strong positive grading.

## **Very Significant Beneficial Effects of Optimal Dose (about 2mm in diameter) of Bitter Melon on Inhibition of More than Several Bacterial and Viral Infections and Cancers Associated with Corona Virus Infection.**

**Yoshiaki Omura, M.D., Sc.D., FACA, FICAE, FAAIM, FRSM**

Adjunct Prof., Dept. of Family & Community Medicine, New York Medical College;  
President & Prof., International College of Acupuncture & Electro-Therapeutics;  
Former Director of Medical Research, Heart Disease Research Foundation;  
Editor-in-Chief, Acupuncture & Electro-Therapeutics Research, International Journal of Integrated Medicine (Indexed by 17 major international indexing periodicals) Published by Cognizant Communications New York.

(Correspondence: e-mail: [icaet@yahoo.com](mailto:icaet@yahoo.com))

**Abstract:** Among well-known beneficial substances such as “Stem Cell Maxum”, “G. VNS (Green Valley Natural Solutions), Genesis (Telomere and Mitochondria Activation Matrix), and “Bitter-Melon”, when the optimal dose is given to each patient, extraordinary beneficial effects can be obtained.

In this article, beneficial effects of optimal dose of Bitter Melon (which is about 2mm in diameter) was evaluated. If 2 identical pieces of an optimal dose are held by 2 fingers, there are changes in the urine and changes in the entire body that last a 12 grading of BDORT.

Particularly, after inhaling air while both hands are raised above the level of the head and exhale the air until both hands reach the abdominal level. Repeat the same exercise about 5 to 10 times.

**Keyword:** Bitter Melon: Better beneficial effects. Optimal dose of Bitter Melon to get potentially beneficial Drugs.

## **Optimal Doses of Natural Fruit that Inhibit Infections and Cancer Activities for Various Time Duration and their Combination for the Corona Virus Pandemic.**

**Yoshiaki Omura, M.D., Sc.D., FACA, FICAE, FAAIM, FRSM**

Adjunct Prof., Dept. of Family & Community Medicine, New York Medical College;  
President & Prof., International College of Acupuncture & Electro-Therapeutics;  
Former Director of Medical Research, Heart Disease Research Foundation;  
Editor-in-Chief, Acupuncture & Electro-Therapeutics Research, International Journal of Integrated Medicine (Indexed by 17 major international indexing periodicals). Published by Cognizant Communications in New York.  
(Contact: e-mail: icaet@yahoo.com)

**Abstract:** Among the optimal dose of these beneficial fruits are Red Dragon Fruit, Guava, Turmeric Powder (beneficial effect of about 2 to 3 hours), and papaya. Additionally, “Stem Cell Maxum”, and the best in terms of safety that is commercially available is “GVNS-GENESIS” (Green Valley Natural Solutions). The effect lasts about 5 hours. (One bottle may contain only 30 capsules and cost \$100). Everything to eat or drink has an optimal dose for each person, but when the optimal dose is very small without examining the optimal dose by BDORT, many people will take a toxic overdose. For example, an optimal dose of less than 2mm per section. Most people often eat half a banana which is toxic which can be detected by Bi-Digital O-Ring test.

- 1) Avoid black masks and underwear as they are Bi-Digital O-Ring negative and can cause types of infections and cancers.
- 2) Since 2016, most white rice has become strongly negative all over the world. White rice should be avoided. For restaurant sushi, use Bi-Digital O-Ring test. Brown rice and locally grown rice can be O-Ring positive.
- 3) All Fish Skin is strongly BDORT negative, particularly shiny white skin is strongly negative, very harmful, and should be removed.
- 4) Green apples are always BDORT strongly negative, but red apples are BDORT positive.
- 5) Most containers from the supermarket are contaminated with the Coronavirus. Before eating and drinking, all containers and their bottoms should be sterilized, but some containers were not sterilized completely.

We need transparent masks except on the forehead. We must make a new mask, so the person's face can be identified without any difficulties.

## **Twenty-Five Years of Teaching BDORT in Brazil**

**IWASA, S, M.D., Orthopedist, F.I.C.A.E, Cert. ORT-MD (4 Dan) \***; Specialist Integrative Medicine; President ACL Foundation (in São Paulo, SP, Brazil)

**PRADO P de A., MD**; Master in General Surgery, Specialist Acupuncture and in Integrative Medicine. Director of AMBBDORT. Head of the Integrative Medicine Outpatient Clinic of ACL Foundation

### **Abstract:**

We have come a long way since Prof Omura's first visits in 1995. A path paved with hard work and which opens up before us bringing new challenges. Over twenty-five years, we have trained more than 2300 professionals at BDORT, the vast majority of whom are doctors. This accomplishment was only achieved with the implementation of an unprecedented machinery that was created for this purpose: Annual BDORT Training Course of the Brazilian Medical Association of BDORT-AMBBDORT; Didactic material for the training of AMBDORT certified Students and Instructors; Outpatient Clinic of Integrative Medicine of the ACL Foundation; Disseminating BDORT to the general public through lectures on health promotion and a specific workshop; Pedagogical approach based on levels of learning and focused on the development of skill at BDORT. BDORT care at the Outpatient Clinic is essential to form and maintain a trained staff; general public lectures allow a continuous flow of patients with diverse and complex pathologies which keep Teaching and Research stimulated

## **Didactic Material for BDORT Teaching: Core Course Content for Students and Instructors of AMBBDORT**

**PRADO P de A., MD**; Master in General Surgery, Specialist Acupuncture and in Integrative Medicine. Director of AMBBDORT. Head of the Integrative Medicine Outpatient Clinic of ACL Foundation

**IWASA, S, M.D., Orthopedist, F.I.C.A.E, Cert. ORT-MD (4 Dan)\***; Specialist Integrative Medicine; President ACL Foundation (in São Paulo, SP, Brazil)

**Fernando C. Dotta Barros, MD, MSc, FICAE**, Otolaryngologist, Acupuncturist, Director of Oto-Rhino Clinic at São Paulo, Brazil. Vice-President of Brazilian BDORT Medical Association

**Correspondence:** pprado999@gmail.com

### **Summary**

The Annual BDORT Training Course has been held by AMBBDORT continuously for 25 years. This teaching experience and the internships at the Integrative Medicine Outpatient Clinic of the ACL Foundation work synergistically. This combination allowed us to develop and maintain a properly trained clinical staff to provide care to patients and work as pedagogical instructors. The training of professionals with this profile is a complex and time-consuming subject and there is no other similar program in Brazil.

The Course is divided into modules that teach students the theoretical content and provide a progressive immersion in practical experience through successive training stations; thus, allowing the gradual and cumulative development of the skill in BDORT.

The standardization of this pedagogical approach has matured over time and crystallized in the didactic material in two versions: for students and for instructors. This material contains specific sections such as: pedagogical support for instructors; the description of the practical stations and the objectives of each chapter, with the evidence criteria for learning achievement.

Based on a unified and standardized central content and with trained instructors, we understand that the next step is to develop AMBBDORT training centers in different locations in the country. This didactic material will be the reference creating conditions to avoid losses of quality in teaching, thus ensuring the AMBBDORT standard.

# **BDORT Learning Levels: A Pedagogical Proposal for Teaching BDORT in Brazil**

**PRADO P de A., MD**; Master in General Surgery, Specialist Acupuncture and in Integrative Medicine. Director of AMBBDORT. Head of the Integrative Medicine Outpatient Clinic of ACL Foundation

**IWASA, S, M.D., Orthopedist, F.I.C.A.E, Cert. ORT-MD (4 Dan)\***; Specialist Integrative Medicine; President ACL Foundation (in São Paulo, SP, Brazil)

**Correspondence:** pprado999@gmail.com

## **Summary**

The development of a skill has different characteristics from other primarily theoretical learnings that essentially requires rational understanding. Throughout the time that the Annual Training Course in BDORT at AMBBDORT is promoted, there has always been a concern to improve teaching in order to optimize the development of skill in BDORT.

The greatest difficulties of students occur not in relation to theoretical understanding but in the development of skill and for some students this is a huge obstacle. To overcome this difficulty, we proposed to divide the learning process into levels of competence, with increasing complexity.

The initial level consists of Standard Ring Selection and development in the ability to assess gross variations in muscle tone evident in a binary form as present or absent. This level of competence is that practiced in the Food Compatibility Test that we teach patients and families.

The second level requires the acquisition of a larger repertoire of kinesthetic references and allows to measure broader responses to the variation in muscle tone of the digital ring. At this level of competencies, we have training stations with the objective of teaching Ring Graduation and parameters measurement (RCS) and we conclude this level with the experimental verification of the Drug Enhanced Uptake Method in a specific training station.

The third level is the last in relation to the BDORT Training Course for Students. At this level it is necessary to automate several micro-behaviors in order to make students competent in more complex skills, such as Imaging, Drug Selection Test and Virtual Therapeutic Test.

## **Disclosing BDORT to Patients and Their Families: Teaching Self-Care**

**PRADO P de A., MD**; Master in General Surgery, Specialist Acupuncture and in Integrative Medicine. Director of AMBBDORT. Head of the Integrative Medicine Outpatient Clinic of ACL Foundation

**CHIMELLI, M; M.D.**; Vascular Surgeon, practitioner of Anthroposophical Medicine  
Specialist Integrative Medicine

**Correspondence:** pprado999@gmail.com

### **Summary**

The dissemination of BDORT to the lay public has value in itself but adds greater relevance as it is inserted in a larger context, related to the ACL Foundation's charitable and philanthropic objectives and to AMBBDORT's pedagogical objectives.

Two lines of educational activity are aimed at the lay public: lectures on health promotion and disease prevention; and a workshop presenting the fundamentals of BDORT in a practical way thus enabling its use in an objective way for self-care and support for treatment.

When lectures on health and prevention are given, the assistance and philanthropic work of the Ambulatory of Integrative Medicine of the ACL Foundation is also presented. This service provides care in Integrative Medicine, BDORT and acupuncture to those who are interested. The cases are screened according to their severity and this mechanism, in addition to the indication made by the patients themselves in their contact networks, feeds the continuous search for care in our outpatient clinic.

The creation of a workshop for laypeople arose from the need to teach patients, families and caregivers how to check whether food, clothing, cosmetics and other products are appropriate or not for patients. There are patients who live far away and need this resource so that we can guarantee therapeutic success. When they receive this training, they understand BDORT better and this increases adherence to treatment and therapeutic guidelines.

## **ACL Foundation's Integrative Medicine Outpatient Clinic: AMBBDORT Teaching Field**

**PRADO, P de A., MD**; Master in General Surgery, Specialist Acupuncture and in Integrative Medicine. Director of AMBBDORT. Head of the Integrative Medicine Outpatient Clinic of ACL Foundation

**IWASA, S, M.D.**, Orthopedist, F.I.C.A.E, Cert. ORT-MD (4 Dan) \*; Specialist Integrative Medicine; President ACL Foundation (in São Paulo, SP, Brazil)

**OHARA, G., M.D.**, Affiliate Professor at Orthopedics and Traumatology Department - São Paulo Federal University. Acupuncturist. Voluntary doctor and Medical Researcher at ACL Foundation.

**Correspondence:** pprado999@gmail.com

### **Summary**

The ACL Foundation's Integrative Medicine Outpatient Clinic has provided philanthropic care since 1999. In addition to assistance, it works as a teaching and research structure, being the teaching field of the Brazilian Medical Association of BDORT. In the first years of operation, due to the small space and reduced number of volunteers, the number of consultations is estimated at around 300 patients per year. Over time, there has been a continuous increase in the volume and complexity of services; by the current monthly average it is estimated for 2019 about 4000 connections.

In the analysis of outpatient care we observed from newborn care to nonagenarians and from the simplest cases, ranging from outpatient acupuncture care to highly complex pathologies. Among the latter are oncological cases (we receive all types of cancer in different evolutionary stages), neuropsychiatric disorders of different presentations (cognitive disorders, behavioral / psychiatric disorders such as depressive and learning disorders, degenerative neurological diseases such as Parkinson's disease, Alzheimer's, Sclerosis Amyotrophic Lateral and others), pain refractory to treatment and a wide range of pathologies.

The training and qualification of doctors, dentists and veterinarians at BDORT can only be done properly in the presence of defined conditions. Among them, we can highlight the need for an outpatient service where patient care and evolutionary monitoring takes place, a body of trained instructors, defined program content and rooms with structure for lectures and academic activities. The Ambulatory allows not only to take the Annual Training Course in BDORT, but also internships for Students and Instructors and the development of activities aimed at Teaching and Research in BDORT and Integrative Medicine.

# Health, Longevity and Bi-Digital O-Ring Test

**Dominic P. Lu, DDS, F.I.C.A.E., Cert. ORT-DDS (4 Dan)**

Clinical Professor of Oral and Maxillofacial Surgery, University of Pennsylvania

President, American Society for the Advancement of Anesthesia in Density

(correspondence: +1-610-395-8093)

## ABSTRACT

Longevity is closely linked to health (including both physical and mental states). Throughout the human history, men (especially the kings, queens, and the noble, etc.) has sought ways and means to increase life span, but the longevity proved as elusive as ever, though scientists and researchers, through years of studies, has collected sufficient evidences to show that individuals with long span of life share some common characteristics of their life style. However, the recommendations from those researchers failed to address the needs and requirements on individual basis. Bi-digital O-Ring Test (BDORT) could well fill this gap. Most longevity is largely determined by genetics, and the environmental factors like diet and lifestyle. The methods known to improve health, thereby, increasing longevity include acupuncture and moxibustion, certain spices, and habits such as:

**1. Avoid overeating:** Animal studies suggest that a 10–50% reduction in normal calorie intake may increase maximum lifespan. Studies of human populations for longevity also found the links between low calorie intake and extended lifespan, and a lower likelihood of disease. Calorie restriction may help reduce excess body weight, which is associated with shorter lifespans. Long-term calorie restriction is often unsustainable and can include negative side effects, such as increased hunger, low body temperature, and a diminished sex drive. Whether calorie restriction slows aging or extends your lifespan is not yet fully understood.

**Comment:** Limiting your calories may help live longer and protect against disease. However, more research is needed. Nevertheless, BDORT could help an individual to find the optimal amount of food intake.

**2. Eat more nuts:** Nuts are nutritionally rich in protein, fiber, antioxidants, and beneficial plant with a great source of several vitamins and minerals, such as copper, magnesium, potassium, folate, niacin, and vitamins B6 and E . Several studies show that nuts have beneficial effects on heart disease, high blood pressure, inflammation, diabetes, metabolic disorder, belly fat levels, and even some forms of cancer. One study found that people who consumed at least 3 servings of nuts per week had a 39% lower risk of premature death. Similarly, two recent reviews including over 350,000 people noted that those who ate nuts had a 27% lower risk of dying during the study period — with the greatest reductions seen in those who ate 1 serving of nuts per day.

**Comment:** Adding some nuts to your daily routine may keep you healthy and help you live longer. Nevertheless, Dr. Omura and I have found some nuts (especially almond) were tested O-Ring negative, and might prove to be unsuitable for some people.

**3. Try out turmeric:** When it comes to anti-aging strategies, turmeric is a great option, because it contains a potent bioactive compound called curcumin. Due to its antioxidant and anti-inflammatory properties, curcumin is thought to help maintain brain, heart, and lung function, as well as protect against cancers and age-related diseases. Curcumin is linked to an increased lifespan in both insects and mice. However, these findings have not always been replicated, and no human studies are currently available. Nevertheless, turmeric has been consumed for thousands of years in India and is generally considered safe.

**Comment:** Curcumin has antioxidant and anti-inflammatory properties. Some animal studies suggest that it can increase lifespan. However, long term ingestion of this spice in large quantity might have some undesirable consequence, BDORT would help to establish the daily optimal requirement for each person.

**4. Eat plenty of healthy plant foods:** Consuming a wide variety of plant foods, such as fruits, vegetables, nuts, seeds, whole grains, and beans, may decrease disease risk and promote longevity. Many studies link a plant-rich diet to a lower risk of premature death, as well as a reduced risk of cancer, metabolic syndrome, heart disease, depression, and brain deterioration. These effects are attributed to plant foods' nutrients and antioxidants, which include polyphenols, carotenoids, folate, and vitamin C. Accordingly, several studies link vegetarian and vegan diets, which are naturally higher in plant foods, to a 12–15% lower risk of premature death. The same studies also report a 29–52% lower risk of dying from cancer or heart, kidney, or hormone-related diseases. Some research suggests that the risk of premature death and certain diseases increases with greater meat consumption. However, other studies report either nonexistent or much weaker links with the negative effects seeming specifically linked to processed meat. Overall, eating plenty of plant foods is likely to benefit health and longevity.

**Comment:** Eating plenty of plant foods is likely to help live longer and lower your risk of various common diseases. However, I have found many plant foods were tested O-Ring negative, probably due to insecticide, or excessive fertilizers used to grow those produces. Even organic produces were found O-Ring negative maybe due to parasites and their eggs in the produces.

**5. Stay physically active:** As few as 15 minutes of exercise per day may help increase an additional 3 years of life. Furthermore, risk of premature death may decrease by 4% for each additional 15 minutes of daily physical activity. A recent review observed a 22% lower risk of early death in individuals who exercised even though they worked out less than the recommended 150 minutes per week. Finally, some research links vigorous activity to a 5%

greater reduction in risk compared to low- or moderate-intensity activities. Regular physical activity can extend your lifespan. Exercising more than 150 minutes per week is best, but even small amounts can help.

**6. Don't smoke:** Overall, people who smoke may lose up to 10 years of life and be 3 times more likely to die prematurely than those who never pick up a cigarette. One study reports that individuals who quit smoking by age 35 may prolong their lives by up to 8.5 years.

**Comment:** Almost all tobacco has been tested strongly O-Ring negative.

**7. Moderate your alcohol intake:** Heavy alcohol consumption is linked to liver, heart, and pancreatic disease, as well as an overall increased risk of early death. However, moderate consumption is associated with a reduced likelihood of several diseases, as well as a 17–18% decrease in the risk of premature death

Wine is considered particularly beneficial due to its high content of polyphenol antioxidants. Results from a 29-year study showed that men who preferred wine were 34% less likely to die early than those who preferred beer or spirits. In addition, one review observed wine to be especially protective against heart disease, diabetes, neurological disorders, and metabolic syndrome. To keep consumption moderate, it is recommended that women aim for 1–2 units or less per day and a maximum of 7 per week. Men should keep their daily intake to less than 3 units, with a maximum of 14 per week. It's important to note that no strong research indicates that the benefits of moderate drinking are greater than those of abstaining from alcohol. In other words, there is no need to start drinking if you don't usually consume alcohol.

**Comment:** Maintaining a moderate intake may help prevent disease and prolong life. BDORT is especially useful to determine the optimal amount alcohol for each person. Even an O-Ring positive wine or liquor, if a person drinks excessively beyond the BDORT optimal amount, it could become O-Ring negative, and harmful to the body.

**8. Prioritize your happiness:** Feeling happy can significantly increase your longevity. In fact, happier individuals had a 3.7% reduction in early death over a 5-year study period. Those who felt happiest at 22 years of age were 2.5 times more likely to still be alive six decades later. Review of 35 studies showed that happy people may live up to 18% longer than their less happy counterparts.

**Comment:** Happiness likely has positive effects not only for your mood but also your lifespan.

**9. Avoid chronic stress and anxiety:** Anxiety and stress may significantly decrease your lifespan. For instance, women suffering from stress or anxiety are reportedly up to two times more likely to die from heart disease, stroke, or lung cancer. Similarly, the risk of premature death is up to three times higher for anxious or stressed men compared to their more relaxed counterparts. If you're feeling stressed, laughter and optimism could be two key components of

the solution. Studies show that pessimistic individuals have a 42% higher risk of early death than more optimistic people. However, both laughter and a positive outlook on life can reduce stress, potentially prolonging your life.

**Comment:** Finding ways to reduce your anxiety and stress levels can extend your lifespan. Maintaining an optimistic outlook on life can be beneficial, too.

**10. Nurture one's social circle:** Researchers report that maintaining healthy social networks can help live up to 50% longer. In fact, having just 3 social ties may decrease risk of early death by more than 200%. Studies also link healthy social networks to positive changes in heart, brain, hormonal, and immune function, which may decrease risk of chronic diseases. A strong social circle might also help react less negatively to stress, perhaps further explaining the positive effect on lifespan. Finally, one study reports that providing support to others may be more beneficial than receiving it

**Comment:** Nurturing close relationships may result in decreased stress levels, improved immunity, and an extended lifespan.

**11. Be more conscientious:** Conscientiousness refers to a person's ability to be self-disciplined, organized, efficient, and goal oriented. Based on data from a study that followed 1,500 boys and girls into old age, kids who were considered persistent, organized, and disciplined lived 11% longer than their less conscientious counterparts. Conscientious people may also have lower blood pressure and fewer psychiatric conditions, as well as a lower risk of diabetes and heart or joint problems. This might be partly because conscientious individuals are less likely to take dangerous risks or react negatively to stress and more likely to lead successful professional lives or be responsible about their health. Conscientiousness can be developed at any stage in life through steps as small as tidying up a desk, sticking to a work plan, or being on time.

**Comment:** Being conscientious is associated with a longer lifespan and fewer health problems in old age.

**12. Drink coffee or tea:** Both coffee and tea are linked to a decreased risk of chronic disease. For instance, the polyphenols and catechins found in green tea may decrease your risk of cancer, diabetes, and heart disease. Similarly, coffee is linked to a lower risk of type 2 diabetes, heart disease, and certain cancers and brain ailments, such as Alzheimer's and Parkinson's Diseases. Additionally, both coffee and tea drinkers benefit from a 20–30% lower risk of early death compared to non-drinkers. Just remember that too much caffeine can also lead to anxiety and insomnia, so limit intake to 400 mg per day around 4 cups of coffee. It's also worth noting that it generally takes six hours for caffeine's effects to subside.

**Comment:** Moderate consumption of tea and coffee may benefit healthy aging and longevity. In recent years, more and more tea and coffee were tested O-Ring negative, probably due to

increase use of insecticide or pollution. BDORT can be used to fine O-Ring positive coffee or tea.

**13. Develop a good sleeping pattern:** Sleep is crucial for regulating cell function and helping body to heal. A recent study reports that longevity is likely linked to regular sleeping patterns, such as going to bed and waking up around the same time each day. Sleep duration also seems to be a factor, with both too little and too much being harmful. For instance, sleeping less than 5–7 hours per night is linked to a 12% greater risk of early death, while sleeping more than 8–9 hours per night could also decrease lifespan by up to 38%. Too little sleep may also promote inflammation and increase risk of diabetes, heart disease, and obesity. These are all linked to a shortened lifespan. On the other hand, excessive sleep could be linked to depression, low physical activity, and undiagnosed health conditions, all of which may negatively affect lifespan.

**Comment:** Developing a sleep routine that includes 7–8 hours of sleep each night may help you live longer.

**Conclusion:** Good lifestyle include acupuncture and moxibustion at the acupoints that known for longevity, and the intake of desirable spices, drinking coffee or tea, exercising, getting enough sleep, and limiting your alcohol intake. Taken together, these habits can boost your health and put you on the path to a long life. However, BDORT is the prime method to determine the optimal doses and the amount for each person.

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# **ELECTRICAL CHARACTERISTICS OF ACUPUNCTURE POINTS AND BI-DIGITAL O-RING TEST**

**Prof. Dr. Kemal Nuri ÖZERKAN, M.D.**  
**Istanbul University-Cerrahpaşa, Faculty of Sport Sciences, Chairman of Sports Sciences  
Department**

**(Correspondence: kozerkan@gmail.com)**

## **ABSTRACT**

Skin resistance of biologically active points (2-250 k ohms) is much lower than their surroundings (300 k ohms). Electrical capacity of acupuncture points is higher than surroundings ranging from 0.02 to 0.5 microfarads. The difference on voltage between the points and surroundings ranges from 2 to 60 mV (1). Normally, dry skin has a DC resistance in the order of 200 k ohms to 2.000 k ohms. At acupuncture points this resistance is down to 50 k ohms (2).

According to Yoshio Nakatani, these values change in pathological states. He demonstrated the special property of the meridians namely the electrical conductivity. His studies showed that functional disorders of internal organs always decrease skin electrical resistance and increase the electrical conductivity (3). In the early 1950s, Nakatani found that some points on the body were more conductive than others when a 12-V current was applied to the skin.

According to Traditional Chinese Medicine, acupuncture lines which are surrounded whole body and called meridian(channel), starts, or ends in Acupuncture points which are in the tips of hand and toes.

The Bi-Digital O-Ring Test [BDORT] was invented by Yoshiaki Omura MD in 1977. It is a safe, non-invasive, extremely sensitive diagnostic test and screening. Many experiments have shown that the basic mechanism of the Bi-Digital O-Ring Test includes the muscle force changes through a brain response on the characteristic electromagnetic signals. Dr. Yoshiaki Omura thoroughly investigated the effects of acupuncture on microcirculation, cerebral circulation, and the neuromuscular system which shows muscle weakening on stimulation in an abnormal region.

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## Bi-Digital O-ring Testを用いた認知症の診療

山口 宏和 M.D., Cert. ORT-MD (2 Dan)

山口内科クリニック 佐賀県

はじめに、日本における認知症高齢者は近未来の2025年には730万人になり、65歳以上の高齢者の5人に1人が認知症になると推定されている。医学医療は日進月歩というものの、認知症に関しては抜本的な解決には至っていない。一定のメカニズムでおこる神経変性の結果は同じでも、原因は多様であり、多くの原因に対して1つ1つ丁寧に対応すべきであるというパラダイムシフトが求められている。今回当クリニックの外来でBi-Digital O-Ring Test(OMURA,Y. 1977-2020;以下BDORT)を用いて診療し、一定の長期間の維持や改善を数例経験した。パラダイムシフトの有効性について検討報告する。

目的は、認知症の複数の原因をBDORTにて診断し、BDORTにて有効薬物を選択し、認知症の改善、少なくとも悪化防止の結果を出すことである。

方法としては、慢性感染をおこす微生物の顕微鏡写真や電顕写真のカードのセットを用い、側頭部の海馬の代表領域にてBDORTによってどの微生物が要因かを特定し、選んだ複数の微生物に有効な漢方薬を選択して投与する。なお漢方は外来ごとに有効性を検討する。食物に関しては米・小麦等を試験管に入れてBDORTにより特定し、除去食などの対応をとる。銅、ニッケル、アルミニウム、水銀、アスベストなどの金属は陽性であれば除去方法をとる。低亜鉛血症や高ホモシステイン血症は検査データに基づき対応する。薬の効果を促進するために足の三里のマッサージを併用し、免疫能低下を防ぐため寝室のテレビは就寝時コンセントを抜き、携帯(スマホ)は電源を切ってもらう。

症例1. 80歳代男性

[2014.03.01] 1ヶ月前から約束を忘れるようになったと物忘れ外来を受診しアルツハイマー型認知症と診断された。

[2014.03.25] 当クリニック受診。妻がいつも付添で来院。側頭部の海馬の代表領域でライム病菌(ボレリア・ブルグドルフェリ菌),ピロリ菌,EBウイルス,パルボウイルスB19,SFTSウイルス, BDORTにて陽性。

有効な漢方薬として白虎加人参湯(34),六君子湯(43),小建中湯(99)の内服を指示。

[2018.10.31] 血中の銅亜鉛比  $Cu/Zn = 132 \mu g / 68 \mu g \div 1.94 (> 1.3)$

著明高値にてバルジソ50mgを内服

[2020.02.01] MMSE 27/30 この6年間認知症進行せず。



## 症例 2. 80 歳代男性

[2017.08.17] 車を運転していて方向が分からなくなったと当クリニック受診。妻がいつも付添で来院。テレビのリモコンを操作せず、エアコンもつけず、副食も手をつけなくなった。何度も同じことを尋ねる。MMSE 15/30 海馬の臓器代表領域でトキプラズマ, 歯周病菌, インフルエンザ ウイルスの陽性反応(BDORT)有効漢方薬として安中散(5), 茵陳五苓散(117), 麦門冬湯(29)処方。

[2019.12.13] MMSE 24/30 と改善。Cu/Zn =  $113 \mu\text{g}/68 \mu\text{g} \div 1.66 (> 1.3)$  ノバルジン 25mg 内服

[2020.02.07] 性格が明るくなった、とのこと。

## 症例 3. 80 歳代女性

[2019.10.17] 夫から妻の認知症について相談。靴がなくなった, 宝石箱がなくなった, 財布がなくなった, 通帳がない, と、部屋という部屋にすべて鍵をかけるようになったとのこと。MMSE 20/30 HbA1c 6.8% BDORT にて sirtuin1 1pg



[2019.12.24] 海馬の臓器代表領域でライム病菌, パルボウイルス B19, SFTS ウイルス, インフルエンザ ウイルス, トキプラズマ, HHV8 陽性。漢方薬は当帰芍薬散(23)安中散(5)黄芩湯(三和 35)を内服。

Cu/Zn =  $124 \mu\text{g}/59 \mu\text{g} \div 2.10 (> 1.3)$  チラジソン, フォリアミン, リン酸ピリドキサル, メチコバ イト, ノバルジン 50mg 内服。

[2020.01.07] 忘れていた糖尿病手帳を探し出し、隠していたお金をあちこちから見つけ、今日も 3 万円見つけた、と化粧もきれいにして来院。BDORT にて sirtuin1 15pg に上昇。

## 症例 4. 70 歳代女性

[2020.01.14] 夫から相談。2~3 年前から物忘れが多くなった、料理をしたがらず、掃除もしなくなった。買い物に行くと財布を落としてきた、など。海馬の臓器代表領域で Sirtuin1 1pg, パルボウイルス B19, トキプラズマ, HHV8, HSV2 陽性。Hg, 小麦陽性 HbA1c 6.4%(検査データ) 漢方薬は当帰芍薬散(23)安中散(5)黄芩湯(三和 35) 昼食のパン・うどんをごはんに変えるよう指示。

[2020.02.06] 整容されて来院。BDORT にて Sirtuin 1 21 pg HbA1c 6.3%(検査データ)

### <考察>

デール・プレデセン教授(UCLA)はその著書※1)の中で、アルツハイマー型認知症の原因は少なくとも 36 ケ以上あり、屋根に 36 ケの穴があいた雨漏りする建物に例えている。雨漏りを止めるためには 36 ケの穴の修理が必要であり、アルツハイマー病を 1 つの薬で治療することは不可能であり、パラダイムシフトが必要であると述べている。パラダイムシフトにのっとなって、36 の原因全てに対応するリコード法を考

案し、アルツハイマー型認知症の患者に試したところ、500例に及ぶ改善(改善率90%以上)が得られたという。

当クリニックで多くの考えられる原因(主に慢性感染)をBDORTで診断し、薬剤を選択し対策を講じた結果の4例を呈示した。改善の客観的評価としては簡易認知症検査のMMSEでも参考になるケースもあるが、認知症の初期には変化を把握しがたいと考えられた。タウ蛋白,アミロイド $\beta$ (1-42),サーチュイン1のRCSでの評価などでさらに今後は検討したい。

#### <結論>

- 1) 4症例にBDORTにより認知症の複数の原因を特定し有効な薬剤を選択し、一定の症状の進行の防止と改善を経験した
- 2) 原因のジャンルとしても、慢性感染,食事,金属,電磁波環境,糖尿病などの疾患,ビタミン(B/D),ホルモン,生活習慣(運動不足,睡眠不足)などの多くのジャンルが考えられた
- 3) 原因の検査を全て検査データや画像診断に頼ると、時間的、経済的負担が大きくBDORTを用いることが大きな貢献となる
- 4) 認知症には多くの原因があり、それらの原因の1つ1つに丁寧に対応することが認知症の診療に必要であるとの認知症に対するパラダイムシフト有効の可能性が高いと考えた。

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# Examination of Dementia using Bi-Digital O-Ring Test

Hirokazu Yamaguchi, MD., Cert. ORT-MD (2 Dan)

Yamaguchi Internal Medicine Clinic, Saga Prefecture

**Introduction:** In Japan, the number of elderly people with dementia is expected to increase to 7.3 million in the near future (2025), and it is estimated that one in five elderly people aged 65 or older will have dementia. Although there have been steady advancements in the fields of medical science and healthcare, a fundamental solution to dementia has not yet been found. Even if certain mechanisms of neurodegeneration lead to the same result, its causes are highly diverse. Thus, we need a paradigm shift that aims to deal with each and every one of the many causes carefully. This time, the Bi-Digital O-Ring Test (BDORT; OMURA, Y., 1977–2020) was used for diagnostic purposes in the outpatient department of our clinic, and we experienced several cases where disease improvement or no progression for a certain long period of time were observed. This paper discusses and reports the effectiveness of this paradigm shift.

**[Objective]** The objective was to identify the multiple causes of dementia using BDORT for selecting effective drugs and to improve the condition of dementia patients, or at least prevent progression of the disease.

**[Methods]** BDORT was performed to identify which microorganisms were causal factors at the

representation area of the hippocampus of the temporal lobe, using a set of cards with micrograph or electron

micrograph pictures of microorganisms causing chronic infection. Then,

Chinese herbal medicines effective for those multiple microorganisms were

selected and administered. Meanwhile, the efficacy of Chinese herbal medicine

was to be discussed in each outpatient department. With regard to food, BDORT was

performed using test tubes containing rice, flour, etc., to identify causative food and take

action such as elimination of such food from patients' diets. When patients were positive for

metals including copper, nickel, aluminum, hydrargyrum, and asbestos, an elimination

approach for those metals was taken. Hypozincemia and hyperhomocysteinemia were treated

on the basis of test data. Massage of Zusanli acupoints on the legs was also provided to

enhance the drugs' effects. To prevent immunological deterioration, patients were asked to

unplug the TV in their bedroom and turn off their cell-phone (smart-phone) when going to bed.

Case 1: 80's Man

On March 01, 2014, the patient consulted the geriatric outpatient department of a hospital because he had been forgetful of promises he had made since the last month. He was diagnosed as having Alzheimer's type dementia.

On March 25, 2014, the patient visited our clinic. His wife always accompanied him on his visits to our clinic. The BDORT showed positive results for *Borrelia burgdorferi*, *Helicobacter pylori*, Epstein-Barr virus, *Parvovirus B19*, and severe fever with thrombocytopenia syndrome (SFTS) virus at the representation area of the hippocampus of the temporal lobe. He was instructed to orally take Byakkokaninjinto (34), Rikkunsito (43), and Shokenchuto (99) as effective Chinese herbal medicines.

On October 31, 2018, the serum copper/ zinc (Cu/ Zn) ratio was remarkably high at  $132 \mu\text{g} / 68 \mu\text{g} \approx 1.94 (>1.3)$ , and thus Nobelzin 50 mg was orally given.

On February 01, 2020, the Mini-Mental State Examination (MMSE) score was 27/30. No progression of dementia had been noted for the past 6 years.



### Case 2: 80's Man

On August 17, 2017, the patient visited our clinic because he had experienced disorientation while driving a car. His wife always accompanied him on his hospital visits. He did not use remotes for the TV or air conditioner as much as before and no longer touched even side dishes during meals. He also asked the same things repeatedly. His MMSE score was 15/30, and the BDORT gave positive results for *Toxoplasma gondii*, periodontopathic bacteria, and influenza virus at the organ representation area of the hippocampus. As effective Chinese herbal medicines, Anchusan (5), Inchingoreisan (117), and Bakumondoto (29) were prescribed.

On December 13, 2019, the MMSE score improved to 24/30. The Cu/ Zn ratio was  $113 \mu\text{g}/68 \mu\text{g} \approx 1.66 (>1.3)$ , and Nobelzin 25 mg was orally given.

On February 07, 2020, it was reported that his personality had become brighter.

### Case 3: 80's Woman

On October 17, 2019, the patient's husband consulted us about her dementia. According to him, she began to lock every room in their house, saying that her shoes had gone missing, her jewel box had disappeared, and her purse and bank passbook had gotten lost. Her MMSE score was 20/30, and the HbA1c was 6.8%. The BDORT showed that the sirtuin-1 level was 1 pg.



On December 24, 2019, the patient tested positive for *Borrelia burgdorferi*, *Parvovirus B19*, SFTS virus, influenza virus, *Toxoplasma gondii*, and human herpesvirus 8 (HHV8). Chinese herbal medicines for oral intake were Tokishakuyakusan (23), Anchusan (5), and Ogonto (Sanwa 35). The Cu/ Zn ratio was  $124 \mu\text{g}/59 \mu\text{g} \approx 2.10 (>1.3)$ . Medication for oral intake comprised Thyradin, Foliamin, pyridoxal phosphate, Methycobide, and Nobelzin 50 mg.

On January 07, 2020, the patient visited our clinic, wearing make-up beautifully. She reported having found her forgotten diabetes handbook and money she had hidden here and there in the house a few days earlier. She had also found 30,000 yen on the day of her visit (January 07, 2020). The BDORT showed an increase in the level of sirtuin-1 to 15 pg.

### Case 4: 78's Woman

On January 14, 2020, the patient's husband consulted us about her behavior; for example, she had been very forgetful for the past two to three years, been unwilling to cook, stopped cleaning the house, and mislaid her wallet when shopping. The BDORT showed a sirtuin-1 level of 1 pg, with positive results for *Parvovirus B19*, *Toxoplasma gondii*, HHV8, and herpes simplex virus 2 at the organ representation area of the hippocampus. The patient tested positive for Hg and wheat, and the HbA1c level was 6.4% (test data). Chinese herbal medicines were Tokishakuyakusan (23), Anchusan (5), and Ogonto (Sanwa 35), and she was instructed to change her lunch menu from bread and wheat noodles to rice.

On February 06, 2020, the patient visited the hospital, dressed neatly. The BDORT revealed a sirtuin-1 level of 21 pg, and the HbA1c level was 6.3% (test data).

### <Discussion>

Dale E. Bredesen, M.D., a professor at the University of California, Los Angeles, states in his book (\*1) that there are at least 36 or more factors that can trigger Alzheimer's type dementia, and he describes the disease as if a building had a leaky roof with 36 holes. To fix the leaks, repairs should be made for each of the 36 holes, but it is impossible to treat Alzheimer's disease with only one drug and thus a paradigm shift is necessary, he says. In accordance with this paradigm shift, the Recode approach was developed to deal with all 36

causes and was tried in patients with Alzheimer's type dementia, which led to improvements in 500 patients (the improvement rate was more than 90%), according to his book.

We identified many possible causes (mainly chronic infection) by using BDORT at our clinic and presented the results obtained from four cases where medication was selected as a measure against those causes. The MMSE, a simple screening test for dementia, can be used in some cases as a reference for objective evaluation of improvement, but this is considered inadequate to grasp changes that occur in the early phases of dementia. We will undertake further study including the evaluation of tau protein, amyloid-beta, and sirtuin-1 by using reference control substances.

### <Conclusions>

- 1) We experienced a certain degree of prevention of symptomatic progression and improvement in dementia patients in four cases, by identifying multiple causes of dementia based on BDORT and selecting effective drugs.
- 2) A wide variety of factors were considered culprits, such as chronic infection, diet, metal, electromagnetic wave environment, diseases including diabetes, vitamins (B/D), hormones, and lifestyle habits (lack of exercise and sleep).
- 3) Given that relying on only test data and/or imaging diagnosis for detecting all causes becomes a temporal and financial burden, BDORT can make a significant contribution on that point.
- 4) We consider that there is a great possibility for the effectiveness of the paradigm shift that requires dealing carefully with every single cause of dementia in the examination because many causes can trigger dementia.

**Reference:** (\*1) Bredesen, Dale E. *The End of Alzheimer's: The First Program to Prevent and Reverse Cognitive Decline*

## 筋肉痛に効果的な単純7点円皮鍼治療

藤原良太 M.D., Cert. ORT-MD (3Dan)<sup>1)</sup>, 原たまえ Cert. ORT-Lac (3 Dan)<sup>2)</sup>

1) 未来オレンジクリニック統合医療ラボ、2)東洋治療院エトレ  
(Correspondence: e-mail: fuji93ryo56@gmail.com, TEL: +81-80-1427-3973)

### 抄 録

#### 【背景】

鍼灸治療は一般的に複雑で、その治療の習得に多大な修練が必要である。その原因として3点ある。  
第1点は経穴は視覚的に確認できない。つまり、見えないことで経穴の位置の特定が難しい。  
第2点は経穴が多い。経絡は主として12経絡+任脈、任脈があり、対応する経穴だけでも365穴ある。  
第3点は、病態や個人の体質により経穴の状態が変化することである。これらの理由で、治療法の習得に時間がかかる。  
そこで、治療法を単純化できないかと考えた。  
対象疾患には運動器を選んだ。  
運動器に関しては痛みの減弱などの結果が、すぐに出現するからである。  
そして、運動器疾患の治療の単純化を試みた。

#### 【目的】

運動器疾患に対する単純な対称性治療点の円皮鍼療法の治療効果を検証する。

#### 【方法】

鍼治療針には圧迫針（直径0.2mm、長さ0.6mm）を使用した。  
治療点是对称位置に選択し、治療順序は以下の通りである。

**Step1** : 足 : 行間 (LR 2) : R&L (2点) 、  
**Step2** : 腕 : 曲池 (LI 11) : R&L (2ポイント) 、  
**Step3** : 膝 : 血海 (SP10) : R&L (2ポイント) 、  
**Step4** : 仙骨部 : 腰兪 : (GV2) : 正中線上 (1点)  
計7点

#### 【結果】

患者は、痛みを中心として（肩の痛み、背中の痛み、股関節の痛み、首のこわばり、顎関節症など）の症状があった。しかし、この治療により症状は改善をした。次にその結果を示す。  
全体の被検者は39名。  
そのうち7名(18%)は改善なかったが、32名(82%)には痛み改善効果を認められた。  
そのうち22名(59%)がNRS2以上の痛みの減少を示した。  
また31名で30%以上の痛みの改善効果があった。（全体で79%、改善者の中では97%）

また 24 名で 50%以上の痛み改善効果があった。（全体で 64%。改善者の中では 75%）

また 10 名が 90%以上の痛み改善効果があった。（全体で 26%、改善者の中では 31%）

さらに 5 名は全く痛みが消失した。（全体の 13%、改善者の中では 16%）

### 【評価】

この治療法には複数の効果があったが、特に筋肉痛や可動域制限については、速やかな改善を認めた。中等度から軽度の筋肉痛については効果を自覚できる程の改善を認めた。また治療の所要時間が 1 – 3 分と短時間である。

以上のことより、筋肉痛の初期治療として、有用と考えられる。

この 7 点の経穴の効果については以下のように考える。

6 点の経穴（LR2、LI 11、SP 10）は臑領域にあり、筋肉緊張の緩和に有効なポイントと考える。また GV2 については、ここに円皮鍼を張ると頭頂部が強くなることより、正中線上の気の循環を増強していると考ええる。

### 【結論】

円皮鍼による 7 点治療を試みた。中等度以下の治療には速やかな効果を示した。この方法は筋肉痛などの運動器障害の初期治療に有効と考える。

# **Simple Novel Symmetric Acupuncture Therapy with 7 Press Needles is Effective for Muscle Pain and Stiffness.**

**Ryota Fujiwara M. D., F.I.C.A.E., Cert. ORT-MD (3 Dan)**

Sun Park Nakanoshima Clinic, Osaka

(Correspondence: e-mail: fuji93ryo56@gmail.com, TEL: +81-80-1427-3973)

## **ABSTRACT**

### **(Background)**

Acupuncture treatment seems difficult to perform, because there are so many invisible acupoints. In addition, treatments depend on a patient's condition, so there are so many variables. This situation presents difficulty for acupuncture.

The author proposes a novel simple technique. It uses only 7 press needles.

### **(Objective)**

This study was undertaken in order to confirm the effectivity of the simple novel symmetric acupuncture therapy for muscle disturbances.

### **(Method)**

Press needles are used as the acupuncture needle.

Acupoints are selected in symmetrical positions.

Treatment steps for correlating acupoints are as follows.

Step 1: foot : Koukan (LR 2) : R&L(2poits)、

Step 2: arm : Kyokuchi (LI 11) : R&L(2poits)、

Step 3: knee : Kekkai (SP10) : R&L(2poits)、

Step 4: sacral : Youyu (GV2) : Center(1point)

Total: 7 points

### **(Result)**

Patients had several muscle problems such as muscle pain, muscle stiffness and joint movable range limitations.

This therapy has made their problems better.

The symptoms got better soon after treatment.

In most cases, the symptoms had already changed when the 7th press needle attached the acupoint.

### **(Discussion)**

This therapy has several positive effects. Especially for muscle pain and joint movable range limitations, they clearly and quickly improved.

This novel therapy needs a very short time to take effect. It takes only 1-2 minutes. It is simple and effective.

Several acupoints (LI 11、 SP10) are located on tendon areas. This fact seems to be the cause of the effectiveness of muscle pain and stiffness.

### **(Conclusion)**

The author proposed a novel acupuncture method. It is simple symmetrical acupuncture with 7 press needles. This method was effective for various muscle disorders.

This treatment needs further researches by BDORT. The author will try to do it until next congress.

# 認知症およびパーキンソン病に対する小川療法の実践 - マルチモーダルな非薬物的介入（心身機能活性運動療法）の効果 -

桑原一朗 M.D., Ph.D.<sup>1)</sup>,

桑原泰子 Ph.<sup>2)</sup>,

小川眞誠<sup>3)</sup>

1) 老人保健施設 倉敷藤戸荘、倉敷、岡山県

2) 健成薬局、倉敷、岡山県

3) NPO 法人日本心身機能活性療法指導士会、東京都

(Correspondence: e-mail: ichirokbr@gmail.com, TEL: +81-90-2401-1940)

## 【目的】

心身機能活性運動療法（以下PMATと呼ぶ）は、小川眞誠氏によって1983年に開始された認知症の改善を目的として方法で、パーキンソン病や脳梗塞等の脳疾患、及びその他の疾病にも効果が認められている。PMATは、温熱療法、運動療法、ゲーム、および回想療法から構成されるプログラムによって、脳と心と体のバランスを達成する。今回、認知症およびパーキンソン病の個人につき、PMATを3か月に渡って行い、得られた効果について報告する。

## 【対象と方法】

Case1、90代男性、アルツハイマー型認知症。BPSD症状が顕著であり、特に夜間には、一晩中覚醒し大声でスタッフを呼びつける、等の行動が目立っていた。PMAT実施に当たり、これらのBPSD症状の軽減や身体症状の改善を目標とした。PMATのプログラムとして、3か月間、毎週、月～金曜日の5日間、午前：心身体操15分、温熱療法（手・肩）15分、午後：温熱療法（膝）15分、フィンガースポーツ20分、フラハンド20分、ゲ-ゴルフゲーム30分行うこととした。また、時々、回想療法を行った。

Case2、60代男性。パーキンソン病。症状として、左上肢の歯車様固縮があり、姿勢は前かがみで歩行はやや小刻み。また、幻視、幻聴があり、時々物忘れも自覚しており、認知症の症状も認められた。これらの症状の改善を目標としてPMATを実施した。PMATの実施は3か月の間、本人宅に通い、週2回。心身体操15分、フィンガースポーツ20分、フラハンド20分を実施した。

## 【結果】

Case1, Case2 とも目標とした改善がみられたが、BDORT による評価では、

		Acetylcholine Chloride	$\beta$ -Amyloid (1-42)	Tau protein	ApoE4
	Normal	100 ng >	1 ng <	1 ng <	1 ng <
Case 1	Before	3 ng	5 ng	5 ng	6 ng
	After	150 ng	1 pg	1 pg	0.1 pg
Case 2	Before	2 ng	7 ng	7 ng	7 ng
	After	200 ng	2 pg	2 pg	1 pg

であり、両者ともに認知症パラメーターの顕著な改善が認められた。Case1、身体機能面の顕著な変化は見られなかったが、自発性、社会性、反応性といった前頭葉に関連した機能面で、明らかな変化がみられた。大声や暴言等の BPSD は完全になくなる事はなかったが（特に夜間）、PMAT 前後での昼間、夜間を通じての介護の大変さは明らかに減少した。また、向精神薬、眠剤等はすべて中止する事ができた。Case2、身体機能面の改善が顕著であった。これには、歩行の改善、姿勢の改善、また、パーキンソン症状ではないが、斜視の改善が見られた。

## 【考察】

両者に共通に見られたこととして、自発性の増加、不安感の減少、表情の変化等がある。これは、Case1 では、自発性が増し、活気が出てきて、夜間の問題行動が減少していること、Case2 では、幻視が少なくなり、あまり気にならなくなってきたこと、強迫傾向、依存傾向、不安傾向の減少がある。特に、表情は無表情から豊かになってくるのは両者に共通している。これらの変化は、前頭前野の機能が関係していると考えられた。

## 【結語】

小川療法は認知症では特に BPSD の減少、およびパーキンソン病では身体機能の改善に効果があった。両者に共通することとして、特に自発性、意欲の増強、感情調節面での効果が顕著であると思われ、これらは、前頭前野の機能の増強によると思われた。

## 【参考文献】

Integrative body-mind-spirit intervention for people with dementia: a holistic revitalization model Amy Y.M. Chow, Patrick P.T. Chow, O. Shinsei, and Iris K.N. Chan in a book titled A theoretical and practice framework of integrative body-mind-spirit social work, Oxford University Press 2018, pp.216- 227 dc.identifier.isbn: 9780190458515  
<http://hdl.handle.net/10722/262159>

# Effect of Multimodal Intervention by Ogawa's Physical and Mental Activated Therapy (PMAT) on Dementia and Parkinson's Disease

Ichiro Kuwabara M.D., Ph.D. Geriatric Health Services Facility, Kurashiki, Japan  
Yasuko Kuwabara Pharm. Kensei pharmacy, Kurashiki, Japan  
Shinsei Ogawa NPO Japan society for PMAT therapists, Tokyo, Japan  
(Correspondence: e-mail: ichirokbr@gmail.com  
TEL: +81-90-2401-1940 FAX: +81-86-486-4103)

## 【Objective】

Physical and mental activated therapy (PMAT), initiated by Mr. Shisei Ogawa in 1983, is a structural nonpharmacological multimodal method for improving dementia, and comprises physical exercises, cognitive stimulation, and enjoyable games. PMAT achieves a balance between the brain, mind, and body, and has also been shown to be useful in improving brain diseases such as Parkinson's disease and cerebral infarction, as well as other diseases. Here, we report the effects obtained by performing PMAT for 3 months in individuals with dementia and Parkinson's disease.

## 【Target and Method】

Case 1, 90's male with Alzheimer's disease. The BPSD symptom was salient, as evidenced by behaviors such as waking up throughout the night and calling the staff out loud especially at night. In implementing PMAT, we aimed to reduce these BPSD symptoms and improve physical symptoms. PMAT program was implemented for 3 months and comprised the following, which took place every week, 5 days from Monday to Friday: 15 minutes of physical and mental warm-up exercises in the morning, 15 minutes of warmth therapy (hands / shoulders), 15 minutes of warmth therapy (knees), 20 minutes of finger sports, hula-hands exercise for 20 minutes and the game for 30 minutes in the afternoon. He also received reminiscence therapy from time to time.

Case2, 60's male. Parkinson's disease. Symptoms include cogwheel rigidity of the upper left limb, forward-leaning posture, and short, choppy gait. In addition, he had visual and auditory hallucinations, self-reportedly suffered from forgetfulness, and had symptoms of dementia. PMAT was performed with the goal of improving these symptoms. PMAT was implemented twice a week by visiting the subject at his home for 3 months: The program consisted of physical and mental warm-up exercises (15 minutes), finger sports (20 minutes), and hula-hands exercise (20 minutes).

## 【Results】

The evaluation by BDORT showed the below result:

		Acetylcholine Chloride	$\beta$ -Amyloid (1-42)	Tau protein	ApoE4
	Normal	100 ng >	1ng <	1ng <	1ng <
Case 1	Before	3 ng	5 ng	5 ng	6 ng
	After	150 ng	1 pg	1 pg	0.1 pg
Case 2	Before	2 ng	7 ng	7 ng	7 ng
	After	200 ng	2 pg	2 pg	1 pg

In both cases, significant improvement in dementia parameters was observed. In Case 1, there were no significant changes in physical function, but clear changes in prefrontal cortex-related functional changes such as spontaneity, sociality, and responsiveness, were observed. BPSD symptoms such as tendency to speak in loud voices and rants did not disappear completely (especially at night), but the difficulty of long-term care during the day and night before and after PMAT was clearly diminished. In addition, the subject achieved discontinuation of all psychotropic drugs and sleeping pills. In Case 2, the improvement in physical function was salient, as evidenced by improved gait, improved posture, and, improved strabismus, a symptom which did not seem to be Parkinson's.

### **【Discussion】**

Common findings in both cases were increased spontaneity, decreased anxiety, and changes in facial expressions. In Case 1, we observed increase in spontaneity and vivacity, and decrease in problematic behaviors at night. In Case 2, we observed decrease in hallucinations (to an extent that the subject no longer finds the symptom bothersome), anxiety, obsessive-compulsive tendency, addictive tendency, and anxiety tendency. Notably, richer facial expression was observed in both cases whereas the subjects showed very little facial expression prior to the intervention. These changes may be attributed to the function of the prefrontal cortex.

### **【Conclusion】**

Ogawa therapy was effective in reducing BPSD, especially in dementia, and improving physical function in Parkinson's disease. In both conditions, the effects on spontaneity, motivation, and emotional regulation are particularly notable, and these are considered attributable to the enhancement of prefrontal cortex function.

### **【Reference】**

Integrative body-mind-spirit intervention for people with dementia: a holistic revitalization model Amy Y. M. Chow, Patrick P. T. Chow, O. Shinsei, and Iris K. N. Chan in a book titled A theoretical and practice framework of integrative body-mind-spirit social work, Oxford University Press 2018, pp216- 227 dc.identifier.isbn: 9780190458515  
<http://hdl.handle.net/10722/262159>

## 振動アコースティックベッドを利用し BDORT を併用した 歯科治療により身体痛が改善した症例

七沢久子 D.D.S, Cert. ORT-DDS (1 Dan), F.I.C.D, F.I.C.A.E

七沢歯科医院院長；山梨県歯科衛生専門学校校長

(Correspondence: e-mail: cdh86380@par.odn.ne.jp

TEL: +81-55-232-1811 FAX: +81-55-235-3138)

### 【目的】

当医院では日頃から Bi-Digital O-ring Test(OMURA,Y.1977-2020；以下 BDORT)を応用した歯科診療を行っている。歯科は頸部の医学と考えられ、仙骨と顎関節は密接に関係している。BDORT を用いて歯のかみ合わせを治すことで、頭痛、腰痛、肩こり、膝関節痛などが改善されることがここ数年の臨床経験よりわかってきた。今回は振動音響療法と BDORT を併用した歯科治療により身体痛が改善した症例を報告する。

### 【症例】

40 歳代女性・主婦。

**主訴：**身体痛（口・腰・背中・首・肩）、肩関節の動きが悪い、右足が開きづらく体が固い、首を下げすぎると気分が悪くなる、心臓が苦しい、呼吸が浅い、不眠、イライラする、気分の落ち込み。

**既往歴：**他歯科医院においてう蝕および歯周病の細菌検査を受け、また別の他歯科医院を歯ぎしりのため受診、さらにその他の歯科医院において噛み締めがひどい状態を改善するためにマウスガードを作成した。

**口腔内所見：**下口唇部に外傷、左上第二大臼歯挺出、下顎前歯の叢生による舌の圧痕、および咀嚼運動の不調が認められた。

**顔貌所見：**瞳孔間線と咬合平面が互いに平行ではなく、目の大きさの左右差、頭部の前傾をきたしていた。

**口腔診断：**下顎前歯の捻転とそれによる舌圧痕。

**治療-1 回目（2020 年 1 月 30 日）：**左上第二大臼歯の痛みに対し、歯周組織への処置および BDORT を用いた噛み合わせ治療し、咬合平面の是正をした。下口唇部の外傷に対し、上顎左右中切歯の切縁の鋭利な部分へ BDORT を用いて歯冠形態修正。BDORT を用いて舌尖部（舌診で心臓部に対応する部位）の圧痕をもたらししている下顎前歯（右下側切歯、左下中切歯：叢生歯）切端部に対して歯冠形態修正。さらなる主訴の改善を目指し、振動音響療法として振動音響ベッドを 30 分使用。

治療-2回目(2020年2月20日):歯周組織への処置、および噛み合わせ治療の経過を診た。1回目と同様に、振動音響ベッドを使用。

治療-3回目(2020年3月19日):噛み合わせ治療および歯冠形態修正後の経過を確認し、振動音響ベッドを使用。なお、対象者には研究の目的と方法、および個人情報に特定されないことを説明した後に研究の同意を得た。

### 【結果】

身体痛(口・腰・背中・首・肩)の軽減、心臓、肝臓、頭部もBDORTポジティブ(+)になり、口唇の形態も良くなった。また仙骨のバランスが取れたため前傾していた頭部が正常になり、肩関節の可動域が広くなり腕が上がるようになった。目の大きさの左右差もほぼ同程度になり顔のしわ、くすみは取れた。振動音響療法により自律神経のバランスのとれた状態になり気分の落ち込みやイライラが改善され「健康感」がさらに高まった。

### 【考察および結論】

歯の挺出や歯牙の捻転により生ずる舌の圧痕を改善するために、歯冠形態修正することで肩こりや頭痛の改善につながり、歯科の分野でも様々な応用が出来ることがわかった。また、BDORTは、原因の特定がスムーズになることはもとより、術者だけでなく患者自身が治療の効果を実感できるひとつの診断法として使用できるものであるといえよう。さらに、これまでの経験上、BDORTのみでも身体的なアプローチをすることで長期的にみると精神面への良好な改善がみられていたが、今回の症例では、BDORTに振動音響療法を併用することにより精神面的な改善結果が早い段階で得られることが示されたので、これらの組み合わせにより治療への効果が相乗的になると考察する。

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# Dental Treatment for Improving Physical Pain using a Combination of BDORT and Vibroacoustic Therapy: A Case Study

Hisako Nanasawa D.D.S, Cert. ORT-DDS (1 Dan), F.I.C.D, F.I.C.A.E

Director of Nanasawa Dental Clinic; Principal of Yamanashi Dental Hygiene College

(Correspondence: e-mail: cdh86380@par.odn.ne.jp

TEL: +81-55-232-1811 FAX: +81-55-235-3138)

## [Purpose]

Our clinic regularly provides dental care using the Bi-Digital O-ring Test (OMURA, Y.1977-2020). Over the past few years, we found that the BDORT can be used for bite correction to improve headaches, back pain, shoulder pain, and knee joint pain. In this article, we report a patient with physical pain treated by a combination of vibroacoustic therapy and BDORT.

## [Case]

The patient was a female in her 40s who was a housewife.

**Chief complaint:** Physical pain (in the mouth, back, neck, and shoulders), poor shoulder joint movement, stiffness in the right leg with difficulty on opening, feeling sick when her neck was lowered too far, heart trouble, shallow breathing, insomnia, irritability, and a depressed mood.

**History:** The patient underwent bacteriological examination at another dentist's office for caries and periodontal disease and was seen at a different dentist's office for teeth grinding. The patient also had a mouthguard made at another dentist's office to correct her bite.

**Oral findings:** Lower lip trauma, prominence of the upper left second molar, tongue indentation due to a plexus of the mandibular anterior teeth, and poor masticatory movements were noted.

**Facial findings:** The interpupillary lines and occlusal planes were not parallel to each other. Her eyes had left-right differences in positioning, and she demonstrated an anterior head tilt.

**Oral diagnosis:** Torsion in the mandibular anterior teeth and the resultant indentation in the tongue.

**First treatment (January 30, 2020):** BDORT was used to treat pain in the upper left second molar, and to correct the occlusal plane, with a focus on periodontal tissue treatment and bite correction. BDORT was also used to correct the crown morphology of the sharp incisors of the maxillary right and left central incisors and to treat the lower lip trauma. BDORT was used to correct the crown morphology of the mandibular anterior incisors (lower right lateral incisors and lower left central incisors: plexiform teeth) that resulted in indentation of the lingual apex. For further improvement, a vibroacoustic bed was used for vibroacoustic treatment (30 min).

**Second treatment (February 20, 2020):** The prognosis of procedures for periodontal tissue and bite correction was examined. For example, a vibrating acoustic bed was used in the first step.

**Third treatment (March 19, 2020):** After confirming the prognosis post bite-correction and crown morphology correction, a vibrating acoustic bed was used. Consent for the study was obtained from the subject after explaining the purpose and methods of the study, clarifying that her personal information would not be revealed.

**[Result]**

Physical pain (in the mouth, back, neck, and shoulders) reduced post-treatment. The heart, liver, and head became BDORT positive (+), and lip morphology improved. In addition, the sacrum was balanced and the anterior tilt of the head normalized. Shoulder joint range of motion increased and she was able to raise her arm. Both the right and the left eye were now at about the same level, and the wrinkles and dullness in her face were reduced. The vibroacoustic therapy balanced her autonomic nervous system, and improved her mood swings and irritability, further enhancing her "sense of health".

**[Discussion and Conclusion]**

Correction of crown morphology to improve tongue indentation, caused by tooth protrusion and tooth torsion, relieved our patient's stiff shoulders and headaches. This approach could be applied variously in the field of dentistry. In addition, BDORT can be used to help identify the cause of the problem and to allow both the surgeon and the patient to realize the effect of treatment. In our experience, though the physical approach using BDORT alone has been associated with good long-term improvement in mental health, the combination of BDORT and vibroacoustic therapy was also associated with improvements in our patient's mental health in the earlier stage of the treatment. This combination therapy may produce potential synergistic effects.

**[Reference]**

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# 三叉神経痛に対して BDORT の RCS を生かした針灸治療法

竹田 照正 D.D.S

たけだ歯科クリニック、福岡県、糸島市

TEL/FAX +81-92-330-8020 e-mail; terutkd0809@gmail.com

## 抄 録

口腔内や顔面部において、三叉神経領域の疼痛に遭遇することは大変多い。しかしながら、現在の西洋医学での各種診断治療法では、良好な結果が得られているとはいいがたい。特に、臨床症状の特徴だけで病名を分類していることに長い間疑問を感じていた。BDORT の RCS を用いて診断を行なった結果三叉神経痛において、無疹性 Herpes の症例が圧倒的に多い事を知った。舌痛症や舌咽神経痛、顔面神経麻痺等においても同様であった。そこでこの頑固な無疹性 Herpes の疼痛に対して、東洋医学治療（針灸・漢方）を行ない良好な結果を得たので、その具体的な手法について述べてみたい。

### 1) 発症の主な原因

#### 1. 無疹性 Herpes によるもの

各種 Herpes の RCS を用いて定量診断した結果、無疹性 Herpes による疼痛が圧倒的に多いことが分かった。無疹性 Herpes の場合、原因不明の非定型顔面痛や口腔内灼熱症候群と診断されて、長期に対症療法を受けている事が多い。針灸治療後、Herpes の RCS の数値が 1ng 程度まで低下しても、なかなか期待した疼痛緩和が得られないが、BDORT で低濃度領域をイメージ診断して改善を図ることができる。また、Herpes は冷え性の女性や高齢者では、免疫力低下や呼吸抑制、循環障害等に伴い、何度も再発を繰り返す事がある。

#### 2. 呼吸抑制によるもの

人は、様々な内外因により身体に異常部があると、患側の鼻腔換気量の減少がみられる。肩こり 捻挫打撲 むち打ち 外傷 体幹や手足の冷え ストレス（寒冷、湿度、気圧等）の気候変動 内臓疾患 手術後 顎関節症 etc

#### 3. 歯科治療後の疼痛発現

歯科治療後に発現する疼痛に Herpes の反応が多くみられ、皮疹が出ることは少ない。抜歯等外科手術 インプラント手術 抜髄 顎や咬合治療 局所麻酔 等の処置後に多く見られる。

### 2) 三叉神経痛の病態を評価する RCS

各種 Herpes virus Bradykinin (疼痛の指標) DHEA (若返りホルモン)

Sirtuin 1 (長寿遺伝子) Thymosin $\alpha_1 \cdot \beta_4$  (胸腺ホルモン)

ANP (微小血管の評価指標) Acetylcholine (患部やツボ経絡の診断指標)

### 3) 主な治療法

- ・針灸治療（井穴 耳介穴 YNSA12 脳神経 感覚点）
- ・手足や耳介穴の臓器代表領域活用
- ・気功治療
- ・鼻腔換気量の改善
- ・冷えのぼせの病態の改善

・抗ウイルス剤 漢方薬（板藍根 当帰芍薬散加附子） ビタミン D3

### （考察）

三叉神経痛の疼痛は激しい痛みが長期間持続し、鎮痛剤も期待した効果が得られていない事が多く、患者の QOL を著しく損なう。BDORT の RCS を活用して定量測定を行った結果、無疹性の Herpes が圧倒的に多いことに気がついた。特に高齢者や冷え性の女性 術後患者 等では殆ど皮疹が出ていない。抗ウイルス剤と板藍根（抗菌抗ウイルス効果） Vit. D3 を組み合わせて治療を行い、また患部に高濃度に薬剤が到達するように Selective Drug Uptake Enhancement Method を行い、良好な結果が得られた。初診時から治療に伴い刻々と変化する Herpes の活性度の変化は治療法の評価や指針になる。Bradykinin の定量測定は疼痛の客観的なスケールとして大変有効である。また、患部周囲の微小血管内壁の状態を知る上で ANP はとても高感度である。BDORT の RCS を用いて東洋医学治療（針灸・漢方）を評価しながら効率的に行う事ができる。また、微小領域の定量や気功治療をサポートしてくれる。

### （結論）

西洋医学では投薬や神経ブロック等の対症療法に終始しているのが原状である。針灸治療や気功治療の術の世界を BDORT の RCS によって西洋医学の物差しを当てながら評価して治療する方法はとても効果的である。

# The Usage of RCS by BDORT as Diagnosis Criteria: Different Acupuncture and Moxibustion Approach for Trigeminal Neuralgia

**Terumasa Takeda D.D.S**  
**Takeda Dental Clinic**  
Itosima City, Fukuoka, Japan  
TEL/FAX +81-92-330-8020  
Correspondence; [terutkd0809@gmail.com](mailto:terutkd0809@gmail.com)

## ABSTRACT

Now that trigeminal neuralgia is one of the major problems in oral-facial area, there is no clear diagnosis criteria or treatment in western medicine. It is questionable to categorize the disease only from clinical symptoms. The usage of RCS by BDORT indicated that most trigeminal neuralgia occurred from sine herpetic. This was observed in glossalgia, glossopharyngeal neuralgia, and facioplegia. The result of eastern medical treatment (acupuncture, moxibustion and herbal medicine) against sine Herpes is described as follows.

- **The major cause**
  1. Sine Herpes Quantitative diagnosis by RCS showed the major cause was sine herpes. Those are commonly diagnosis as agnogenic atypical facial pain or oral burning syndrome, and long-term symptomatic therapy is performed. Less than 1ng of RCS value is required for pain relief. BDORT enables to measure the low concentration area by image diagnosis. Relapses are often observed especially among woman with bad circulation and seniors.
  2. Respiratory depression Reduction of nasal ventilation volume is caused by physical disorders; stiff shoulders, contusions, external trauma, bad circulation, stress
  3. Post-dental treatment pain Most herpes after dental treatment shows no rash. surgical operations, implantation, pulpectomy, local anesthesia, occlusal treatment, TMD treatment
- **RCS to evaluate the trigeminal neuralgia**  
Herpes viruses, Bradykinin (index of pain), DHEA (anti-aging hormone), Sirtuin1(longevity gene), Thymosin $\alpha_1\beta_4$  (thymus hormone), ANP (index of microvascular), Acetylcholine (diagnosis index of acupuncture points)
- **Treatment methods**
  - Acupuncture treatment
    - practice of Organ Representation Areas on hands and external ears
  - Qigong treatment
  - improvement of nasal ventilation
  - improvement of balance between coldness and heat
  - antiviral drugs, herbal medicine (root of Isatis tinctorial, peony root with aconite), Vit. D3

## Discussion

Pains of trigeminal neuralgia is mostly long term and severe. and insufficient result of pain relief with pain killers decrease the QOL of patients. Quantitative analysis of trigeminal neuralgia using RCS by BDORT indicated the main cause of this disease is

sine herpes especially among seniors, woman with bad circulation, and post-operative patients.

Intake of antiviral drugs and root of *Isatis tinctorial*. (antibiotic and antiviral drugs), Vit. D3 with drug uptake enhancement method showed the good results in many cases. Measurement of herpes activity following the treatment procedure is useful for evaluation and guidance of treatment.

Bradykinin is useful to evaluate the pain as well. ANP shows the high detection to evaluate the condition of internal wall of microvascular.

RCS by BDORT enables the evaluation and efficiency of eastern medicine. By using RCS helpful for measurement of microvascular area and Qigong treatment.

## **Conclusion**

Western medicine only ends up with symptomatic treatment such as medications and nerve blockings. Introducing acupuncture moxibustion, and qigong treatment along evaluation with RCS by BDORT means the performing of eastern medicine with assessment by index from western medicine. This suggests the new approach of effective treatment for trigeminal neuralgia.

# BDORT を用いた歯科治療による電磁波過敏症改善例

山本伊佐夫 D.D.S., Ph.D.

神奈川歯科大学大学院災害医療・社会歯科学講座、神奈川

(Correspondence: e-mail: yamamoto@kdu.ac.jp, TEL&FAX: +81-46-822-8863)

## 【目的】

携帯電話やパソコンの急速な普及により電子機器から発せられる有害電磁波の身体への影響が社会問題化しつつある。電磁波過敏症（以下EH）は、電磁波に対して強い反応を起こし、頭痛、疲労、睡眠障害、集中力の減少、めまい、耳鳴り、吐き気など様々な症状をもたらす。今回、EH患者に対して、歯科金属材料が電磁波を集積し平衡感覚障害を誘発していることを特定し、除去後、非金属材料で修復治療したところ症状が顕著に改善したので報告する。

**【症例1】** 40歳代女性・公務員。主訴：左側下顎骨痛、歯が疼く、慢性疲労、腹部痛、吐き気、特にPC、スマホ、家庭電化製品の使用時の倦怠感。検査：スマホを電磁波発生機器としアルミ箔を防御材としBi-Digital O-Ring Test (BDORT) を用いて電磁波集積原因歯と材料を特定した。診断：電磁波集積原因は歯科金属（メタルインレー）。電磁波過敏症、化学物質過敏症（医科）。治療：メタルインレーを除去後、セラミックインレーをセットした。結果：治療前はスマホの接近により立位からバランスを崩しふらついたが、インレー除去後はふらつかず安定した。日常では治療前の顎骨痛、歯の疼き、慢性疲労、腹部痛などほとんどの症状が消失し電子機器、家電製品使用時の違和感が大幅に軽減された。

**【症例2】** 40歳代女性・主婦。主訴：口が開きづらい、肩こり、寝付き悪く眠り浅い、慢性疲労。検査：スマホを電磁波発生機器としアルミ箔を防御材としBDORTを用いて電磁波集積原因歯と材料を特定した。診断：電磁波集積原因は歯科金属（メタルインレー）、電磁波過敏症。治療：メタルインレーを除去後、セラミックインレーをセットした。結果：治療前はスマホの接近により立位からバランスを崩しふらついたが、インレー除去直後からふらつかず安定した、開口障害、肩こりが改善した。日常では治療前の顎骨痛、歯の疼き、慢性疲労、腹部痛などほとんどの症状が消失し電子機器、家電製品使用時の違和感が大幅に軽減された。

**【考察】** 2症例ともにスマホを接近させるとふらつき倒れてしまうほどの電磁波過敏症であり多くの症状を呈していた。歯科金属除去直後から顕著に症状の改善が見られたことから、歯科金属が電磁波を集積していることが示唆された。症例2では8歯にインレーやクラウンの治療が施されていたが、全ての金属を除去したわけではなくBDORTで確認した問題の1歯だけの治療により改善された。電磁波過敏者の治療として必ずしもメタルフリーにする必要はなく、問題歯を特定することが重要であると考えられた。本症例患者は今回の歯科治療に至るまでに多くの病院、整体、電磁波防御グッズ対策などに費やしてきた。5Gの運用開始に伴い強力な有害電磁波を発する基地局や無線通信機器の普及により、今後EH患者の増加が危惧される。歯科でもEHと歯科金属の関係に対する認知度は低いいため、早急に周知の必要性が考えられた。

## 【結語】

1. EH患者に対して電磁波集積原因歯を特定し歯科金属を除去したところ顕著に症状が改善した。

2. 電磁波過敏の簡易診断としてBDORT、携帯電話の近接による生体バランステスト、アルミ材料による遮蔽テストの有効性が示唆された。

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症例 1



症例 2

# Improvement in Electromagnetic Hypersensitivity by Dental Treatment Based on Bi-Digital O-Ring Test

Isao Yamamoto, D.D.S., Ph.D.

Department of Disaster Medicine and Dental Sociology, Graduate School  
of Dentistry, Kanagawa Dental University, Kanagawa Prefecture  
(Correspondence: e-mail: yamamoto@kdu.ac.jp, TEL&FAX: +81-46-822-8863)

**Introduction:** With the increased use of cellular phones and personal computers, the effects of harmful electromagnetic waves derived from electronic devices on the human body have become a public concern. People with electromagnetic hypersensitivity (EH) react strongly to electromagnetic waves, which cause variety of symptoms such as headaches, fatigue, sleep disorders, poor concentration, dizziness, tinnitus, and nausea. In this study, we report that electromagnetic waves can accumulate in metallic dental materials to trigger balance impairment in patients with EH. However, the symptoms were significantly improved by replacing the metallic material with non-metallic components.

**Case 1:** A female in her 40s employed as a public servant expressed chief complaints of left mandibular pain, aching teeth, chronic fatigue, abdominal pain, nausea, and a sense of malaise, particularly when using PCs, smartphone, and electrical household appliances.

**Examination:** The specific tooth material accumulating electromagnetic waves was identified by applying the Bi-Digital O-Ring Test (BDORT) using a smartphone as an electromagnetic wave generator and aluminum foil as protective material. **Diagnosis:** The cause of the electromagnetic wave accumulation was found to be a metallic dental inlay. The patient was diagnosed with EH and chemical sensitivity to medication. **Treatment:** The metal inlay was replaced with a ceramic inlay. **Result:** Prior to treatment, when the patient was in close proximity to a smartphone, she lost balance from a standing position and began to stagger. After inlay replacement, the symptoms subsided, and the patient was able to stably stand without staggering. In addition, none of the physical disorders included in the patient's chief complaint remained, and the discomfort she experienced in using electrical devices and appliances was considerably resolved.

**Case 2:** A female housewife in her 40s expressed chief complaints of difficulty in opening her mouth, shoulder stiffness, difficulty in falling asleep and sleeping soundly, and chronic fatigue. **Examination:** The specific tooth material accumulating electromagnetic waves was identified by applying BDORT using a smartphone as an electromagnetic wave generator and aluminum foil as protective material. **Diagnosis:** The cause of the electromagnetic wave accumulation was found to be a metallic dental inlay. **Diagnosis:** The patient was diagnosed with EH. **Treatment:** The metal inlay was replaced with a ceramic inlay. **Result:** Prior to treatment, when the patient was in close proximity to a smartphone, she lost balance from a standing position and began to stagger. After inlay replacement, the patient was able to stand stably without staggering, and her symptoms of trismus and shoulder stiffness improved. None of the remaining symptoms in the patient's chief complaint remained, and the discomfort she experienced in using electrical devices and appliances was considerably resolved.

**Discussion:** Both patients exhibited severe cases of EH, experienced severe staggering that nearly resulted in falling, and expressed many relevant symptoms when in close proximity to smartphones. Their symptoms were substantially improved after inlay replacement, which suggests that electromagnetic waves had accumulated in their metallic dental materials. In Case 2, although eight teeth were previously treated with inlays and crowns, we did not remove all of the metal. Only the tooth confirmed by BDORT to be affected by electromagnetic wave accumulation was treated. Patients experiencing EH do not necessarily

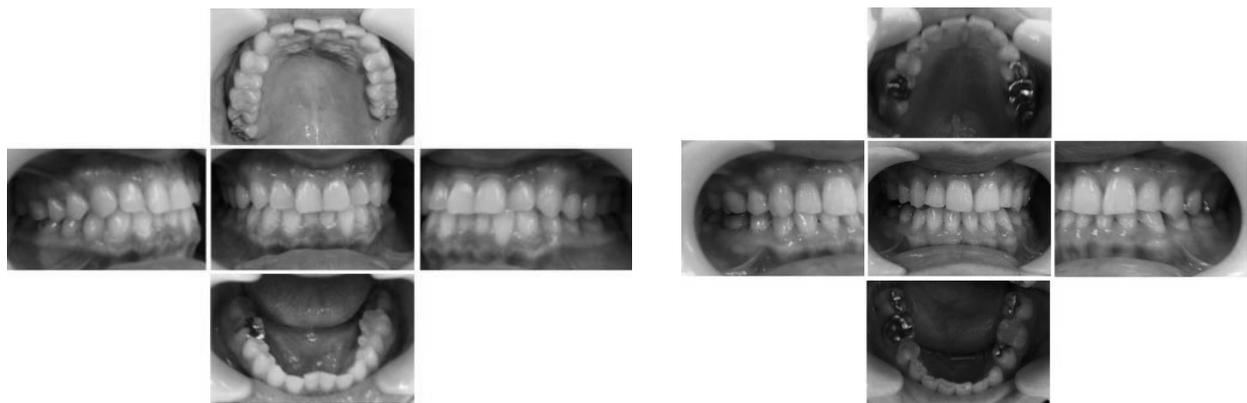
require such treatment; therefore, identification of the affected tooth is essential. Prior to receiving this dental treatment, both patients spent considerable amounts of time and incurred expenses associated with evaluation and treatment in several hospitals and chiropractic clinics and the use of products to preventive electromagnetic waves. Considering the introduction of the fifth-generation mobile communication system (5G) and the widespread use of base stations and wireless communication devices that emit harmful electromagnetic waves, the expected increase of EH patients in the future is of deep concern. Because few dental professionals are well informed about the relationship between EH and dental metals, immediate alerts should be issued to explain this finding, and the relevant information should be readily available.

**Conclusions:**

1. The specific tooth accumulating electromagnetic waves was identified, and the responsible metallic dental material was removed. This treatment resulted in substantial improvement of symptoms in EH patients.
2. The BDORT body balance test using a smartphone and the shielding test using aluminum material are shown to be effective methods in a simplified examination of EH patients.

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**Case 1**  
**Case 2**

# BDORT を使用して義歯を調整した事により下肢の痺れと痛みが消失した症例

萬葉陽巳 D.D.S., Cert. ORT-DDS (2Dan) 萬葉歯科医院

連絡先 所沢市緑町 1-18-1 SHOEI ビル 2F TEL;04-2924-8841 [info@banba-dc.com](mailto:info@banba-dc.com)

Adjustment of denture using BDORT, numbness and pain disappeared in lower limb: A case report

Haruki Banba D.D.S. SHOEI building 2F, 1-18-1 Midori-town, Tokorozawa City

TEL: +81-4-2924-8841; Email: info@banba-dc.com

**Introduction:** 義歯の装着により生体の機能が向上する事は歯科医学会でも報告されている。大久保らは総義歯を装着することが高齢者のバランスと制御を維持および改善するための効果的な助けになる<sup>1</sup>。と報告している。又前田らは咬合支持部を失った無歯顎者における咬合関係の回復は、全身的機能の一部、特に静的な直立位での体平衡調節機能の1つである感覚協調機能の保全、あるいは回復に有効であることが示唆された<sup>2</sup>。と記述している。今回、義歯の装着後に体バランスが安定する事を示す2症例を参考症例として提示し義歯を装着する事の意義を再確認したい。さらに Bi-Digital O-Ring Test(OMURA,Y.1977-2012020;以下 BDORT)を使用して治療を行い痺れや下肢痛が消失した症例を経験したので報告したい。

**Summary of the case: 参考症例 1** ; 80's. male 2018年1月26日に舌痛症で来院した患者であるが June.29.2018 に金属が表面に出ないように上下総義歯を新製した。

(2019年4月神戸開催時の BDORT 医学会で報告済) その後舌痛は再現せず良好に経過している。上下の総義歯を外した状態と装着した状態で左右方向から腸骨部を押して体バランスの安定度を調べ、義歯を装着すると体バランスが安定することを動画で示す。**参考症例 2** ; 50'female 初診; 2019年4月5日 主訴は体調がすぐれず、O-ringの本を見て来た。総義歯だが、かみ合わせを調べてほしい。義歯が合わない。と述べた。症例の詳細は今回割愛するが義歯の装着前後で体バランスが極端に変化したのでその状態を動画で提示する。

**主題の症例:** ( (症状の強さの程度は数値的評価スケール(0~10/10); numerical rating scale:(NRS)を使用した。) ) 80's. female. First visit ; Sep. 6 .2019.主訴;義歯が痛い.左足の痺れは NRS (数値的評価スケール) ; 8~9/10,左足の疼痛は NRS ; 8/10, Lyrica 服用後の左足の痛みは NRS ; 7/10. 既往 ; July.19.2018. 転倒し左肩を骨折し入院. 診断 ; ヘルニア,脊柱管狭窄症,糖尿病,高血圧症.

**Progress;** Sep.28.2019；頬側床縁調整後（調整は藤井の2点時間差法<sup>4</sup>を使用して行った。）左足の痺れはNRS; 8~9/10 から 0/10 に瞬時に消失した。左足大腿部の痛みはLyricaを服用してもNRS; 8/10 から 7/10 にわずかに減少する程度であったが当日の義歯調整後も変化がなかった。Oct.8.2019；楽に歩けるようになった。周りの人から姿勢が良くなったといわれる。左足大腿部の痛みは消失したNRS；0/10。その後通法通り義歯の不適合部を調整した。（舌側床縁調整；Oct.11.2019、床内面調整Nov.11.2019）又、腐食したクラスプを交換した(Dec. 2 .2019)。2020年9月の再診時にも症状は再現していない。

### **Conclusions & Consideration:**

- 1)今回総義歯を装着しない時と装着した後の姿勢バランスが変化する事を実際に検証した。（参考症例1, 2）その結果上下の総義歯を装着することにより体のバランスが安定することを確認した。
- 2) 今回の症例ではBDORTを使用して義歯の調整を行い足の痛みと痺れが消失した。BDORTを使用する事により義歯の調整は義歯の不適合だけでなく生体の機能まで改善する可能性がある。
- 3) 2点時間差法は歯科治療において体の症状に対応する口腔内の原因部の特定に有効であった。

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# **Adjustment of Denture using BDORT, Numbness and Pain Disappeared in Lower Limb: A Case Report**

**Haruki Banba D.D.S., Cert. ORT-DDS (2 Dan)** SHOEI building 2F, 1-18-1 Midori-town, Tokorozawa City

TEL: +81-4-2924-8841; Email: info@banba-dc.com

## **ABSTRACT**

**Introduction:** It has been reported by the Japanese Association for Dental Science that the function of the living body is improved by wearing a denture. Okubo et al. Show that wearing complete dentures can be an effective aid in maintaining and improving the balance and control of the elderly<sup>1</sup>. In addition, Maeda et al. Found that the restoration of occlusal relations in edentulous people who had lost occlusal support was part of systemic functions, especially sensory coordination, which was one of the functions of body balance in static upright position. It was suggested that it was effective for conservation or recovery<sup>2</sup>. This time, I would like to present two cases showing that the body balance stabilizes after wearing the denture as reference cases and reconfirm the significance of wearing the denture. In addition, I would like to report a Subject case in which numbness and Lower limbs pain disappeared after treatment using the Bi-Digital O-Ring Test (OMURA, Y.1977-2012020; hereinafter BDORT).

**Summary of the case: Reference Case 1:** 80's male. A patient who visited our dental clinic on January 26.2018 with glossodynia. On June 29.2018. we made a new upper and lower complete denture so that metal does not come out on the surface. (Reported at the BDORT Medical Association at the time of Kobe in April 2019) Since then, glossodynia has not recurred and has progressed well. The stability of the body balance was examined by pushing the iliac from the left and right directions with the upper and lower complete dentures removed and the upper and lower complete dentures wearing. The video shows that wearing a denture stabilizes the body balance.

**Reference Case 2:** 50's Female. First visit; April 5.2019. Her chief complaint was not in good physical condition and so she searched for a dental clinic with an O-ring book. She has a complete denture, but she wants us to check the engagement. And she said that the denture doesn't fit. I will omit the details of the case this time, but since the body balance changed drastically before and after wearing the denture, I would like to show the state with a video.

**Subject Case:** ((The degree of symptom intensity was measured using the numerical rating scale:0~10/10 (NRS);))First visit; Sep.6.2019, 80's, female. Chief complaint; Denture pain, Numbness of left foot; 8-9/10(numerical rating scale(NRS)), Left foot pain; 8/10 and After taking Lyrica(Pregabalin) ; 7/10, History; July.19.2018 Fall down and left shoulder fracture and hospitalized. Diagnosis; Hernia, Spinal stenosis, Diabetes, Hypertension.

**Progress**; Sep.28.2019; After adjusting the buccal floor edge (adjustment was performed using Fujii's Two Points Time Lag Stimulation Method<sup>4</sup>), the numbness of the left leg disappeared instantly from 8 to 9/10 to 0/10. The pain in the left thigh was slightly reduced from 8/10 to 7/10 even after taking Lyrica, but there was no change even after the denture

adjustment on that day. Oct.8.2019; Now I can walk comfortably. People around her say that her posture has improved. Pain in the left thigh disappeared; 0/10. After that, the non-conforming part of the denture was adjusted as usual. (Lingual floor edge adjustment; Oct.11.2019, floor inner surface adjustment Nov.11.2019) Also, the corroded clasp was replaced (Dec. 2.2019). Symptoms did not reappear at the time of re-examination in September 2020

### **Conclusions & Consideration:**

- 1) This time, we actually verified that the posture balance changes when the complete denture is not attached and after it is attached. (Reference cases 1 and 2) As a result, it was reconfirmed that the balance of the body was stabilized by wearing the upper and lower complete dentures.
- 2) In this case, BDORT was used to adjust the denture and the pain and numbness in the foot disappeared. By using BDORT, denture adjustment may improve not only denture incompatibility but also biological function.
- 3) The Two Points Time Lag Stimulation Method<sup>4</sup> was effective in identifying the causative part of the oral cavity corresponding to the physical symptoms in dental treatment.

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## BDORT を使った長期的な健康長寿対策

田中俊男 Cert. ORT-Lic. Ac (3 Dan) 東洋鍼灸院

(Correspondence: HP: <https://489891.com>, e-mail: [info@489891.com](mailto:info@489891.com),

TEL: 03-3474-5559, Fax: 020-4663-3136)

**【はじめに】** 今学会のテーマが「BDORT による健康社会の創造」ということで、Bi-Digital O-Ring Test を学んでから 20 数年、鍼灸治療の現場でいかに長期的視点に立ち、患者の健康長寿対策に取り組んでいるかを発表してみたい。

### 【考え方】

#### 1. 「当院からがん患者を出さない」

これは難しいテーマであるが、以前大村恵昭先生の「足の三里とテロメア」のご講義を拝聴したときに、東洋医学的に当たり前前に治療していることが実はがん予防の一助になっていたことに気がついた。

#### 2. 胃腸から崩れる

この仕事について 40 年以上、多くの患者さんを診てきたが身体の壊れるパターンそんなに多くはない。殆どは胃腸から崩れる。それは腰痛の大きな原因にもなり、食事やちょっとした身体の変化に対応する事で体調を保てる。按腹やニーム茶その他。

#### 3. 食生活・健康食品・薬対策－患者と LINE でやりとり。

マクロビや健康食品の適量、外食問題、機内食などの問題点。

**【考察】** 患者の生活には癖がある。食生活や自宅環境を送って頂くだけで、Bi-Digital O-Ring Test 的に好ましい生活指導が出来る。それに治療後の経過の報告や医療相談など細かい指導が出来る。

**【結論】** Bi-Digital O-Ring Test を使い、食や着る物その他すべてをチェックしてしく中で、いかに免疫を下げない生活を指導するかが大事である。高い免疫を維持できればがんの予防につながる。患者の習慣的な生活を知り、こまめに情報共有していけば、がんから遠ざかることができる。

# **Long-term Health and Longevity Strategy based on BDORT**

**Toshio Tanaka Cert. ORT-Lic. Ac(3Dan)**  
**Acupuncturist, Toyo Acupuncture and Massage**  
(2-11-4 Minami-Shinagawa Shinagawa-ku Tokyo, hp: <https://489891.com>)

Main theme of this conference is “Create a healthy human life with BDORT”. We would like to speak about long-term health and longevity strategy based on Bi-Digital O-Ring Test (BDORT; OMURA, Y., 1977-2020) from my clinical experiences.

## **[Points of view]**

1. We are committed to prevent our patients from suffering from cancer.  
This is a very difficult theme. Is it really possible?  
Dr. Omura taught us about effectiveness of Omura’s St.36 stimulation for cancer treatment. We were unaware but our routine treatment of Chinese medicine, stimulation of traditional st.36, is in fact helpful for cancer prevention.
2. Disorders will often start from gastrointestinal problems.  
From my experience, there are not so many patterns in which disorders develop. Keeping good diet and dealing with minor changes in the body condition can make our body strong.
3. We use LINE to communicate with patients to obtain detailed information about their food and body conditions, which enable us to give them advice on a real time basis.

## **【Conclusion】**

Each patient has his/her own daily habit. The most important thing is to avoid lowering immunity by following up their daily life, including checking their diet and clothes with BDORT. This can eventually help prevent cancer.

## スマートフォン電磁波照射後の

### ラット脳に対して行なった Bi-Digital O-Ring Test 応用施術は

### ミクログリアの活性化を軽減しているように見える

(第 29 回日本バイ・デジタル O-リングテスト医学会学術大会・第 16 回 BDORT 国際シンポジウム)

原 珠枝 Cert. ORT-Lac (3 Dan)<sup>1)</sup>, 石鍋真里衣 Pharm.<sup>2)</sup>, 藤原良太 M.D., Cert. ORT-MD (3Dan)<sup>3)</sup>

1), 2) 東洋治療院 浅草エトレ・銀座エトレ

TEL & FAX : +81-3-5828-8222 ・ +81-3-3563-3078 e-mail : [ra678tae@etrel.com](mailto:ra678tae@etrel.com)

3) 日本統合医療ラボ

#### 概要

ミクログリアはラットの電磁波照射実験において正常の静止型から活性型へと変貌することが確認されている。そのミクログリアの機能は生体にとって両刃の剣と云われ、過剰に活性化したミクログリアは脳に障害を来すとされている。スマートフォンからの同様の電磁波照射を行ったラットに対して、今回は波動エネルギーに対して波動施術を中心とし、督脈上 1 穴に鍼施術を施したところ、ミクログリアの活性化が軽減しているように見えた。波動・鍼施術は活性化ミクログリアにより惹起される可能性のある脳疾患の予防・治療に応用できるのではないかと考える。

#### 実験の背景

大村恵昭教授による Bi-Digital O-Ring Test (OMURA, Y, 1977-2020; 以下 BDORT) を用いた電磁波の生体影響に関する診断や治療の研究結果<sup>1)</sup>から、電磁波は健康障害作用を有していると広く知られるようになった。電磁波は現代社会においてはいたるところに存在しており、特に身近で使用するスマートフォンからの影響は大きい。携帯電話電磁波の脳に対する影響についての組織形態学的な確証的証拠を、2007 年に東京医科大学の工藤玄恵教授らが携帯電話マイクロ波を照射したラットの脳のミクログリアが正常な静止型から活性型へと形態変貌すること、及び、72 時間時点で活性型のままであったことを世界に先駆けて発見した<sup>2)</sup>。その後、松木由法博士の実験により追認されていた<sup>3)</sup>。携帯電話の爆発的普及からスマートフォンに移行により、日常生活において必要以上に活性化したミクログリアが惹起され、脳へさまざまな影響をもたらす懸念を示唆しているといえる。前回の実験は<sup>4)</sup>、BDORT を応用した施術によって活性化したミクログリアをできる限り静止型に回復させるか否かを追究する目的で始まった。今回は精神面の安定性が回復できるか否かを加えた。

#### 実験の目的

今回、社会問題化しているスマートフォン（マイクロ波）の生体への影響を波動・鍼施術で回復しうるか否かを検証した。本研究の主目的は以下の三点である。

1. 肉眼観測として、活性型ミクログリアと精神面の関係性を施術により精神面も落ち着かすことができるか否か。施術方法、施術あり、なしでセロトニン量に変化があるか否か
2. ラット脳の静止型ミクログリア、活性型ミクログリアを BDORT の共鳴現象で正確に捉えられるか否か
3. 波動・鍼施術によって電磁波照射によるミクログリアの活性化を回復できるか否か

#### 材料と方法

13 匹のウィスターラット（9 週齢、雄）を以下のように 4 グループに分け、それぞれ一日 2 時間ずつ透明なケースで拘束。これを 3 日間繰り返した。

- ・ A グループ（3 匹）：電磁波照射あり（SAR 1.39 w/kg）+ 波動・鍼施術あり
- ・ B グループ（3 匹）：電磁波照射あり（SAR 0.157 w/kg）+ 波動施術あり
- ・ C グループ（3 匹）：電磁波照射なし+ 波動・鍼施術あり
- ・ D グループ（3 匹 3 日目）：電磁波照射あり（SAR 0.157 w/kg）+ 施術なし
- ・ sham(1 匹)：電磁波照射なし + 波動・鍼施術なし

A・B グループの電磁波照射は、スマートフォンを頭部に近接させ 2 時間通話状態にした。（\*SAR（Specific Absorption Rate）：単位質量の組織に単位時間に吸収されるエネルギー量。w/kg の単位で表わされる）（SAR\* 0.157 w/kg、1.39 w/kg）また、A グループ及び B グループのラットに行った波動施術・鍼施術は、透明なケースでの拘束開始の 1 時間後と 2 時間後に、BDORT の共鳴反応に基づいて行った。これを 3 日間繰り返した為、合計 6 回の施術となった。C グループ電磁波照射なしで施術は A,B と同じく 3 日間繰り返した為、合計 6 回の施術となった。D グループはラットへの波動共振の影響を受けない環境で電磁波照射のみの実験を行った。ラット脳の活性型ミクログリアを BDORT の共鳴現象で正確に捉えられるか否かの検証は、まず、活性の度合いを 3 段階に分け、以下の②と③を比較した。

- ① 実験中、ストレスに対して ABCD グループの各々のラットを肉眼観測から比較する。脳内物質セロトニンは施術ある・なし各々の条件下で BDORT の RCS セロトニンを用いた。
- ② 実験中、ラットごとに活性型、静止型それぞれの共鳴反応を捉えて、その経時変化を記録。実験 ABC グループ RCS（Reference Control Substances）として、東京医科大学雑誌に掲載された組織標本写真を用いた<sup>2)</sup>。

- ③ 実験終了後ラットから摘出した脳標本を顕微鏡で確認し、活性型、静止型の度合いをラット毎に評価。

**標本の作製** 各実験終了後の一日後にいずれのラットも深い麻酔下で屠殺後、10%緩衝ホルマリン中に浸漬して24時間固定した。その後、前額断された脳の前頭葉部を選び、ビブラトームを用いて厚さ100 μmの切片を作製した。これにミクログリア特異抗体 Iba1 を用いて免疫組織化学的染色を行い、標本とした。東京医科大学雑誌に掲載された組織標本写真におけるミクログリアの静止型と活性型の形状によると、ミクログリアは電磁波照射後に静止型（分岐形状で静止型、いわゆる線香花火状と四方八方に屈曲伸展するしなやか感のある、全長がほぼ均等な太さの基幹突起と、その突起表面に毛根様突起を有している）から活性型（明らかに、その基幹突起はそのしなやかさを失い、太くなるとともに径の不均一さがみられる）へと形態変貌を遂げている。活性型の基幹突起の形状は大きく二分される。一つは突起の数が増殖増加を示すものと、突起の数は減少し、遊走性を示唆する偏在、あるいは双極化突起を有するものであった。

## **結果**

### 1. 肉眼観察

照射群 A、B、D のラットはいずれも前後肢の緊張があった。しかし、施術後の A、B は穏やかな様子であった。また、グルーミング（毛づくろい）の行動が目立った。照射なし・施術あり C グループも施術後は同じようにグルーミング行動があり穏やかであった（動画を供覧）。

D は緊張したままであった。RCS セロトニン結果は、A グループ施術後平均 7.3 μg B グループ施術後平均 8.3 μg C グループ施術後 20.3 μg D グループ平均 0.6 μg sham 9 μg。A、B、の差は波動施術の方が多。C グループが一番多く、D グループが一番少なかった。施術によるものと思われる。

### 2. 共鳴反応

施術した各ラットともに②と③の共鳴反応はほぼ一致した。つまり、ラット脳のミクログリアが活性型か静止型かを BDORT の共鳴現象により、ある程度正確に捉えていた。

### 3. 組織学的

Sham グループは静止型ミクログリアの形状であった。

照射あり・施術ありの A、B グループのミクログリアには活性型に混じって、比較的均等な太さの基幹突起を持つ静止型近似のミクログリアも見られた。C グループはより静止型近似のミクログリアが見られた。D グループのミクログリアは活性型が多かった。

## 考察

拘束の方法として前回は1匹ずつ筒に入れた、そのための身体的ストレスが大きいと判断。今回は透明のビニールケースで自由に動く空間を設けた。環境によるストレス状態は軽減した。肉眼的観察では、前後肢が緊張した照射群A、B、グループのラットはいずれもストレス状態にあると考えられるが、施術後は穏やかな様子で、前後肢の緊張もみられなかったことより、施術は明らかにストレスの軽減をきたしていることがわかる。照射なし・施術ありCグループは拘束ストレス状態が軽く見られたが施術後は穏やかであった。A、Bセロトニン値の違いから波動施術を加えた方がセロトニンを増やすのではないかと考える。グルーミングについては、施術直後に起こった結果セロトニンに影響もあり精神面も落ち着いたと考える。施術直後から目立ったことから、グルーミングとセロトニンの関係が関与したと考える<sup>4)</sup>。組織学的結果から、施術によりミクログリアの活性化をある程度抑えることができた可能性があると考えられる。施術によって、ミクログリアの活性化をある程度抑えることができた可能性があると考えられる。

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# **Bi-Digital O-Ring Test Treatment on the Rat Brain after Exposure to Smart Phone Radiation Appears to be Reducing the Activity of Microglia.**

**Tamae HARA, Cert ORT-Lac (3Dan)<sup>1)</sup>, Marie ISHINABE, Pharm<sup>2)</sup>, Ryota FUJIWARA, M.D., Cert. ORT-MD (3Dan)<sup>3)</sup>**

1) 2)Toyo Clinic, Akasaka Eto, Ginza Eto, Tokyo

TEL: +81-3-5828-8222 FAX: +81-3-3563-3078 e-mail: ra678tae@etre1.com

3) Nihon Togo Medical Laboratory

## **Summary**

It has been confirmed that microglia are transformed from normal ramified microglia to activated microglia in rat electromagnetic wave exposure experiments. The functions of microglia are thought to be a double-edged sword for biological systems. Overactivated microglia are believed to cause damage to the brain. Similar electromagnetic waves (EMW) exposure was applied to the rats from smart phones. In this time, wave treatment is mainly performed, and acupuncture is performed on one hole on a vein. As a result, the activation of microglia seemed to be reduced. It suggests that acupuncture may be clinically useful for the prevention and treatment of brain diseases.

## **Background of Research Experiments**

The effects of electromagnetic waves (EMW) on biological systems are now widely recognized due to the diagnostic and therapeutic research<sup>1)</sup> conducted by Dr. Yoshiaki OMURA using the Bi-Digital O-Ring Test (BDORT, 1977-2020). In recent years, concern has been expressed about the effects of electromagnetic waves on the human brain due to the global proliferation of smart phones, however, conclusive histomorphology proof of the effects of electromagnetic waves on the brain was first shown in 2007 by Dr. Motoshige KUDO and coworkers at Tokyo Medical University who reported that microglia in the brains of rats exposed to cell phone microwaves underwent morphological transformation from the normal ramified type to activated type.<sup>2)</sup> Later, it was confirmed by an experiment by Dr. Yoshinori MATSUKI<sup>3)</sup>. It is believed these overactivated microglial cells cause damage to the brain. The previous experiment was<sup>4)</sup> initiated with the goal of investigating whether microglial activated by treatment using BDORT can be restored to a stationary state as much as possible. In this time, we added whether mental stability can be restored.

## **Research objectives of Experiments**

The objective of the present research was to ascertain whether acupuncture can be useful for deterring or preventing the deleterious biological effects of smartphones microwaves) .

1. As for the naked eye observation, whether BDORT can calm the mental surface or whether there is a change in the amount of serotonin in the brain with treatment or without it.
2. Verify whether rat brain activated microglia can be accurately determined by BDORT resonance phenomenon.
3. Verify whether the activation of microglia can be reversed by electromagnetic radiation using acupuncture.

## **Methods**

Thirteen male Wistar strain rats (9 weeks old, male) were divided into 4 groups and two hours a day in a transparent case. It was repeated for three days and they treated as follows:

Group A: 3 rats, Irradiation (+), volatility treatment (+), acupuncture (+), exposure to cell phone (Specific absorption rate (SAR) value 0.349 W/kg)

Group B: 3 rats, Irradiation (+), volatility treatment (+), exposure to cell phone (Specific absorption rate (SAR) value 0.157 W/kg)

Group C: 3 rats, irradiation (-), volatility treatment (+), acupuncture (+)

Group D:3 rats 3 days, Irradiation (+), volatility treatment (-), acupuncture (-), exposure to cell phone (Specific absorption rate (SAR) value 0.157 W/kg)

Sham:1 rat, irradiation (-), volatility treatment (-), acupuncture (-)

The rats in group A and B were exposed to smartphone radiation (normal talk mode) for 2 hours per day by placing the phone in direct contact with the head region.

( (\* SAR) The amount of energy absorbed in units of unit time in tissue of unit mass expressed in units of w / kg (SAR \* 0.157w / kg 1.39w / kg) .

In addition, acupuncture performed on rats of group A and B were performed based on the resonance reaction of acupuncture one hour after the start of restriction in a transparent case and two hours after the start of restriction. This procedure was repeated for three days, which resulted in a total of six treatments. The group C were also restrained in the same way for 2 hours per day for 3 days but were not exposed to smartphone radiation, resulting in a total of six treatments. The group D conducted an experiment with only electromagnetic wave irradiation in an environment not affected by volatility resonance to rats. Whether or not rat brain activated microglia could be accurately determined using BDORT resonance images was verified as follows.

(i) During the experiment, each rat in the group ABCD is compared to stress from the naked eye observation. The intracerebral substance serotonin was measured using RCS serotonin of BDORT for each group.

(ii) At the end of an experiment, the resonance response of the activated and ramified microglia was determined and then the grading by O-ring recorded.

We used tissue samples published in the Tokyo Medical University magazine as the ABC Group's Reference Control Substances.2)

(iii) The extracted brain specimens were examined visually and the microglia of each rat were graded as being activated or ramified.

#### **manufacture of a sample**

One day after completing the experiment, the rats were sacrificed by deep anesthesia and then fixed for 24 hours by immersion in 10% formalin buffer. Specimens were prepared by selecting the frontal lobe region of the brain and slicing it into 100 μm sections using a vibratome. The sections were stained immunohistochemically using the microglia-specific antibody Iba1 and then viewed under a light microscope.

{ {Configuration of normal ramified and activated microglia in tissue specimen photos published in the Journal of Tokyo Medical University} }

The microglia after EMW irradiation were transformed morphologically from ramified microglia (branching configuration and ramified, with stem processes of roughly equal lengths that had a fireworks shape radiating out in all directions, with hairy-like processes on the surface of the stem processes to activated microglia (the flexibility/pliability of the stem processes had clearly been lost, they were thicker, and the diameter was no longer constant).

The configuration of the stem processes could be broadly divided into two. The first exhibited slight proliferation, while the second was migrating cells that had processes that were bipolar or unevenly distributed.

#### **Results**

##### 1. Observation of the naked eye

All the rats of the irradiation group A, B, and D show that the limbs of all the rats were tonic. However, after the operation, A and B looked calm. Grooming was also conspicuous. Group C had the same grooming behavior and was calm after the BDORT treatment (see video) D remained tense.

RCS Serotonin results of group A is an average 7.3 μg and B is an average 8.3 μg and treated is an average 18.6 μg, group C is an average 20.3μg, group D is an average 0.6μg

and sham group is an average 9 µg. The difference in serotonin value of A and B is more of a wave treatment. The serotonin value was the highest in group C and the lowest in group D. It is believed to be due to treatment.

2. The grades in (ii) and (iii) were virtually the same in each rat. In other words, whether the rat brain microglia were activated or ramified was accurately determined by resonance.
3. Histologically, the sham group was in the form of a stationary microglia. In addition to the active type, the group A and B also had stationary approximation microglia with relatively uniform thicknesses of key projections. Group C had more stationary approximation of microglia. There were many active types of microglia in group D.

### **Discussion**

Last time, we put the rats in a tube and held them back, so we judged that they had a lot of physical stress. This time, a transparent plastic case has been used to create a space that they can move freely. Environmental stress has been reduced. In the visual observation, the rats in the irradiation groups A and B seem to tensioned front limbs were considered to be in a stress state, but the treatment is clear from the fact that the tension of the front limbs was not seen in the calm appearance afterwards. It can be seen that has caused the reduction of stress. In group C with no irradiation and treatment, restrictive stress was considered light, but it was moderate after the treatment. I think that it might increase serotonin by adding the wave treatment because of the difference of A and B serotonin values. Grooming took place immediately after the treatment, we think the effects of serotonin have calmed down. We are not sure if it was spontaneous grooming or induced because it was conspicuous right after the treatment, but we consider the relationship between grooming and serotonin was involved.<sup>5)</sup> Also, histologically, we were able to confirm that microglia almost certainly became activated due to EMW irradiation, and the fact that many normal ramified microglia were observed in rats treated with BDORT after being exposed to EMW indicates that the treatment was responsible, to a certain degree, for the recovery of the activated microglia.

### **Acknowledgement**

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# Bi-Digital O-Ring Test による新しい刺激点の選択法

川嶋洋士, F.I.C.A.E.(Hon.), Cert. ORT-Lic. Ac (2 Dan)<sup>1)</sup>

1) 川嶋鍼灸整骨院、佐賀

(Correspondence: e-mail: oolong\_sya@yahoo.co.jp, TEL& FAX: +81-952-27-5330)

## 【目的】

鍼灸施術において十四経発揮(滑壽)等をもとに経絡経穴の位置を確認し、圧痛・硬結・陥下・斑点・丘疹・水腫・知覚・温感異常などの有無を触診して取穴する。そのため経穴の正確な位置と触診の習熟を要する。そこで部位情報が無くても簡易で短時間に効果的な刺激点を選択する方法を Bi-Digital O-Ring Test(OMURA,Y.1977-2020,以下 BDORT)の異常部診断法で試みた。

## 【対象と方法】

- ① 肩関節周囲炎、脊柱管狭窄症、脛骨遠位端骨折等の患部の BDORT ネガティブ(-)の領域を描出した。
- ② 同部位を磁石(N極)または青色 LED で刺激し要穴の存在する前腕、下腿を BDORT で観察し(-)のポイントに円皮鍼(0.6mm)を用いて押圧刺激(50回)をした。

**【結果】** 患部や異常部に磁石(N極)の貼付や青色 LED を照射することで前腕・下腿部に明瞭に3箇所の BDORT ネガティブ(-)のポイントが現れた。またそこを刺激点として施術すると患部の BDORT がポジティブ(+)になり症状が軽減した。図1

**【考察】** 鍼灸師が経穴の部位の知識不足や触診が未熟な場合、または患者自身でも BDORT を用いることで簡易で効果的な刺激点の選択ができ日々の健康管理や鍼灸施術で疼痛や症状緩和による「日常生活の質」の向上を期待できる。

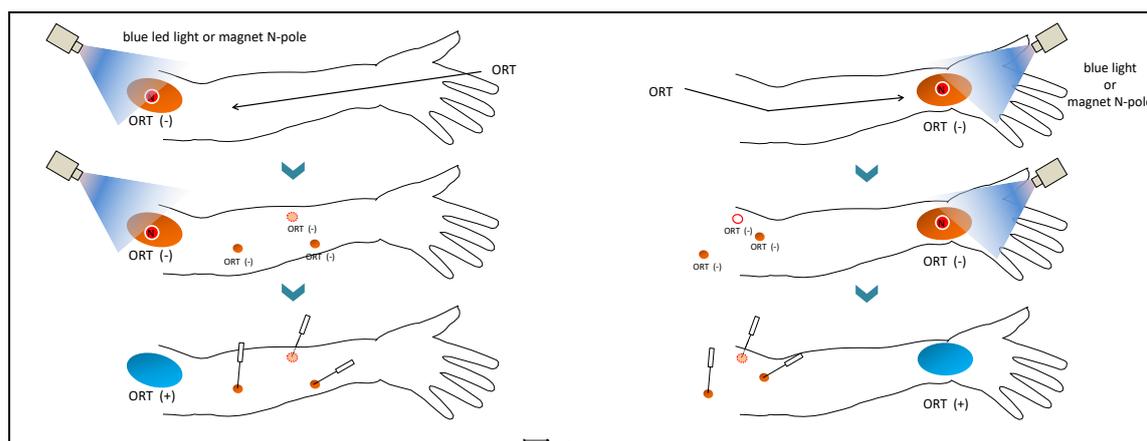


図1

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# New Method for Selecting Stimulus Points Using Bi-Digital O-Ring Test

Hiroshi Kawashima, F.I.C.A.E.(Hon.), Cert. ORT-Lic. Ac (2 Dan)

Kawashima Acupuncture and Moxibustion Clinic, Saga

(Correspondence: e-mail: oolong\_sya@yahoo.co.jp, TEL&FAX: +81-952-27-5330)

## Purpose

In acupuncture and moxibustion, the position of meridian acupuncture points is checked on the basis of the 14 meridians (滑壽; Hua Shou), and the presence or absence of tenderness, induration, depression, spots, papules, edema, sensation, and abnormalities in sensory perception and temperature is palpated and located. Because of the above, accurate location of acupuncture points and proficiency in palpation are required. Therefore, a method for selecting effective stimulation points in a short time without information on the location of the acupoints was attempted using the Bi-Digital O-Ring Test (OMURA, Y.1977-2020, hereafter BDORT) to diagnose abnormal areas.

## Materials and Method

(1) The BDORT negative (-) area of the affected area, such as shoulder peri-arthritis, lumber canal stenosis, and distal tibial fracture, was depicted.

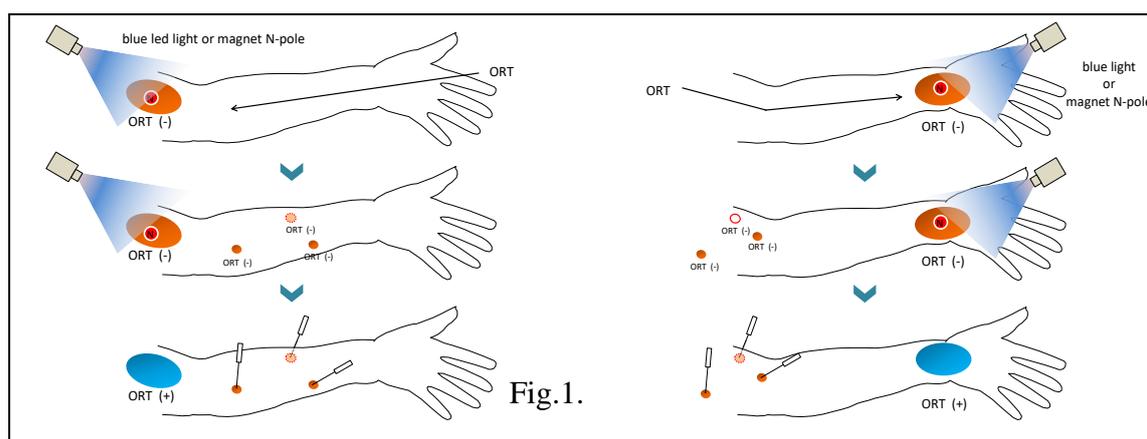
(2) The same area was stimulated with a magnet (N-pole) or a blue LED to observe the BDORT (-) in the forearm and lower leg, and the negative (-) point was stimulated with press needles (0.6 mm) for 50 times.

## Results

By irradiating the affected or abnormal areas with blue LED, three BDORT negative (-) points appeared clearly on the forearm and lower leg, and these points were used as stimulation points. When these points were used as a stimulation point, the BDORT of the affected area became positive (+) and the symptoms were reduced. Fig1.

## Discussion

When a practitioner is inexperienced in location of acupuncture points and palpation of these or even by the patient himself, BDORT can be used to select simple and effective stimulation points. It is expected to improve the "quality of life" by relieving pain and symptoms through daily health care and acupuncture treatment.



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## チャクラ様組織の発現と BDORT 成立条件についての考察

大伴 正総 M.D., Cert. ORT-MD (2 Dan)<sup>1)</sup>, 大西 楽 Lac.<sup>2)</sup>, 三枝 剛<sup>3)</sup>

1) 大伴医院、沖縄県, 2) 湧式呼吸法インストラクター、長崎県

3) 湧式呼吸法インストラクター、京都府

(Correspondence: e-mail: samurai\_happiness@yahoo.co.jp, TEL/ FAX: +81-98-978-5655)

【はじめに】呼吸法とは大自然のエネルギーを身体に取り入れる技法である。この取り入れられたエネルギーが心身の活性化をもたらしている。ここで、大自然のエネルギーとは、天の気、地の気、太陽のエネルギー、月のエネルギーの4つを指し、生体の活性化に大きく関与していることが2006年、大伴により報告されている。これとは別に、その4つのエネルギー全てを含んだ、いわば未分化なエネルギーが存在し、これら5つのエネルギーが生体の組織や細胞の活性化にあずかっている。4つのエネルギー全てを含んだ未分化のエネルギーは、骨盤腔内に於いて最大に拡大、増大する現象が見られる。エネルギー領域の中心部は“体心点”と呼称されている。それゆえ、この4つのエネルギー全てを含んだエネルギーは、体心点エネルギーとも呼ばれている。この体心点エネルギーが増大することによって、体心点エネルギーの増大及びその拡大に比例する形で生体の活性化が見られる。体心点エネルギーを中心としたエネルギールートが人体に存在することを発見し、これまで、その解明を続けてきた。エネルギールートの起点である“体心点”の活性化には、呼吸法を通じて介入することが可能だが、体心点エネルギーのさらなる増強は、これまでにない新しい現象—チャクラ様組織の発現—の発見につながった。このチャクラ様組織の一部は、BDORTの成立条件とも密接な関係性を示していることが判明したため、今回、そのことについての考察も加えた。

【対象と方法】 Bi-Digital O-Ring Test (Omura, Y.1977-2020; 以下 BDORT)を使って

1) 解析対象 湧式呼吸法 創始者 2) 方法 湧式呼吸法 創始者が描いた6種類のエネルギーカードを RCS として用いて解析を行った。6種類のエネルギーカードには、以下のものがある。

①天の気 ②地の気 ③天の気と地の気の合流点ジャンクション；以下ジャンクション ④太陽のエネルギー ⑤月のエネルギー ⑥体心点エネルギー（天の気、地の気、太陽のエネルギー、月のエネルギー4つの全てを含んだ未分化のエネルギー）

3) 実施日 2019年3月2日、4月8日、10月15日他

4) 実施場所 沖縄県沖縄市勝連南風原 371-4 大伴医院

【結果】“体心点”のエネルギーは骨盤腔内を超えて拡がり増強していくものだが、体心点エネルギーは均一のものではなく、その中心部とそれを取り囲む領域の2つに区分されている現象に気づいたのは2018年である。調べてみると、周辺領域は体心点エネルギーカード1枚に共鳴するのに対し、中心部では、体心点エネルギーカード1枚と1/7枚に共鳴している。私達の研究では、生体の局所における神経伝達物質アセチルコリン値は、5330 $\mu$ g (BDORT UNIT) 程度が正常と思われ、体心点エ

エネルギーカード1枚を用いると、低下しているアセチルコリン値を正常の目安にまで回復させることができることが確認されているため、この体心点エネルギーカードの枚数が便宜的にエネルギーのレベルを示していると考えた。湧式呼吸法の創始者において、呼吸法によって最大限身体が活性化している時、体心点では、どのようなことが起こっているのか。それを調べてみた結果、体心点では、あるエネルギーレベルが生じる時、その中心部分に更に高いエネルギーが次々と生じて周辺部にエネルギーを供給しており、それは、E1～E31の31段階に及ぶこと、また、最後のE31における便宜的なエネルギー量は体心点エネルギーカード240枚以上を用いても測定不能であることが判明した。さらにE1～E31の体心点エネルギーの各段階と身体を中心軸の体表面で、その共鳴現象を調べてみると、古来からチャクラと呼称されてきたものと思われる領域を描出することができた。これらの領域を、謙虚かつ正確な呼称として、“チャクラ様組織”と呼ぶことにした。一般に、チャクラは代表的なものとして7つ存在することが知られているので、これらのチャクラ様組織と最大共鳴する色彩も調べた。

**【考察】** 7つのチャクラ様組織と最大共鳴する色彩をRCSとして用いると各人の主要な7つのチャクラ様組織の大きさや場所を特定することができ、また、体心点エネルギーカードをRCSとして用いるとチャクラ様組織の活性化の度合いを調べることができると考えた。また、大伴は2006年にジャンクションの位置がBDORTの成立条件と密接な関係性があることを発表している。ジャンクションは、胸骨下端の剣状突起下、約三横指のところに位置するのが正常だが、このジャンクションの位置は非常に不安定で、ジャンクションが頭部に上がってしまうと頭部の神経機能が低下し、臍部より上の上半身からマイナスの気を発するようになる。BDORTは、脳の神経機能を、いわばバイオコンピューターとして用いているため、神経系の機能低下は致命的な誤りを生ずる危険性をもともと内包していたと見るべきであろう。BDORTの歴史において、最初に紹介されたのは間接法だが、検者、第三者が、このような状態に陥っている場合に行うBDORTは不正確なものになると考えられ、BDORTの間接法において、検者と第三者は臍部より上の上半身がマイナスになっていないかどうかを留意することが重要である。ジャンクションと関連性が高いチャクラ様組織を調べてみると、E6（第4チャクラ様組織）とE11であり、その構成は左扁桃体内側主核の一部と左右の胸腺であった。よって、E6（第4チャクラ様組織）及びE11はBDORT成立条件と大きな関連性があると考えられる。

**【結語】** 左扁桃体内側主核の一部と左右の胸腺の活性化は、BDORT成立条件に大きく関与していると考えられる。

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## ガン術後に、妊娠・出産を迎えた、おめでたい症例報告

西條 護 Cert. ORT-Lic. Ac (1 Dan)

やおめん針灸院、柏市、千葉県

(Correspondence: e-mail: ib25796@db4.so-net.ne.jp, TEL: +81-80-8811-6818)

### 【はじめに】

最近、日本国民の2人に1人ががんにかかり、また結婚をしても、子供を望まないご夫妻が増えているという。今回、ここに紹介をするお2人のご婦人の症例Aさんは、ご自身が乳癌を発症し、抗がん剤・手術・放射線などの治療をされたことで、以後の妊娠は、すっかり諦めていた方である。Bさんは、初めての出産後に、その子供さんが目に悪性の癌を発症され、そのことで母親であるご自分のお体に、その原因があると信じ込み、それ以降の妊娠は一切望んではいなかった。そこで、このお2人のご婦人を通じて、ご家族全員の食事の内容に、Bi-Digital O-Ring Test (OMURA, Y. 1977-2020; 以下 BDORT)の指導をしたことで、Aさんは体調が良くなり、Bさんは子供さんの悪性の癌も治癒したことで、お2人共に、不安感が解消し、女性として母親として自信を持てるようになった。そして、妊娠し、元気な赤ちゃんを出産された、おめでたい症例報告である。

### 【症例】

1. 30代女性Aさん。右乳癌を発症、2015年1月に2種類の抗がん剤開始。同年9月、右乳房全摘・その周囲と頸部・鎖骨の各リンパ節切除。後に放射線と抗がん剤治療開始。2016年3月に、本人からの要望により治療中止。2017年6月、めまい、吐き気、倦怠感、右側の胸痛と側頭痛、体調不良により再受診、CA15-3の数値が、5→10に増加、かかりつけ医より「脳へ転移したのかも知れないね」と言われ、強い不安感と、3才になる子供を残しては絶対に死ねないという強い気持ちとなり、ある方から紹介をされて、往診に至る。
2. 30代女性Bさん。1人目の子供を出産後、そのお子さんに、15000人～20000人に1人しか発症しないという悪性の目の癌が2014年に発症、片方の眼球摘出後、摘出した目の部位に再び発症し、病院の医師からは、余命を告げられた。

### 【治療】

1. Aさん、Bさん共に、ご家族と一緒に、近隣のスーパー店へ出かけて、テロメアの高い食材を提案するためと、季節の旬の野菜や果物(根・茎・葉、種子=木の実の各部位の特徴)、中国の五行思想による、五色=赤色・緑色・黄色・白色・黒色の色彩の特性と内臓諸器官との関連性)、五味(苦味・酸っぱい味・塩味・甘味・辛味と、

内臓諸器官との関連性)などの食材と調味料について、スーパー店内で実物を見てもらいながら商品の活用の仕方を説明した。

2. Aさん、Bさん共に、体内に鉛や水銀などの重金属が蓄積すると、いろいろな病気を発症しやすいことを説明し、それを排出させるために、香菜(パクチー、シラントロ)の煮汁の作り方を、患者様の台所で、包丁とまな板、無害な水を煮る鍋に入れて、実際に香菜の煮汁を作る調理法を、その台所で実際に見てもらい、出来た煮汁を、その場で飲んでもらった。1日3回(1回あたり、180cc位)の摂取を、少なくとも約2ヶ月間は実行することを勧めた。

3.Aさんには、足三里(true St.36)の部位と、drug-uptake の効果を説明し、気持ちの良い指圧マッサージを、1日3回、自分自身に行なうことを勧めた。

2018/	3/10	3/13	6/2	6/3	6/11
	Hg	Hg	HPV	HPV	HPV
大腸	15mg	3mg			
肝臓			44ng	15ng	1ng
肝臓(HSV)			90ng	50ng	2ng

4. Bさんには、「子供さんよりも、お母さんご自身が、死への恐怖感を努めて思わない事と、必ず治るという気持ちを保ち続けることが、一番大事な事だ」と、お母さんに言い続けた。病院から定期的に自宅へ帰れる日もあったので、自宅に於いては、香菜の煮汁を使った、みそ汁、ラーメン、鍋物などで、1日3~4回飲んでもらった。またお母さんには、子供さんの足三里(true St.36)を中心に、気持ちの良いマッサージを行なうことを勧めた。その理由は、drug-uptake による効果として、抗がん剤が、肝腎な癌の組織の中に吸収され易くなり、抗がん剤の効果が高まる役割を果たしてくれることを説明し、1日何回でも良いから、それを行なうことを勧めた。

### 【結果】

1. Aさんは、香菜の煮汁を2週間ほど飲み続けていくことで、右側の側頭痛と胸痛、めまい、吐き気、全身の倦怠感などの不定愁訴が軽減してきた。3ヶ月目頃には、月経も来るようになり、女性として、自分の体に自信が持てるようになってきた。そして昨年(2019)の夏頃に、体調の変化を感じて産婦人科へ受診をしたら、「おめでたです。来年(2020年)の3月が予定日です」と言われた。その時の心境として、「この両手で、また自分の赤ちゃんが抱ける日が来るなんて、夢にも思っていなかった。とても嬉しい」という喜びの電話をくれた。

2. Bさんの余命を告げられた子供さんの再発の癌治療は、効を奏し、治癒した。母親からは、「この子を産んだのは自分であり、自分の体に原因があると思い、自分を責めたりもしたが、わが子の癌が治ったことで、自分の心の重荷から、やっと開放された気がして、本当に良かった」と話してくれた。そして2019年の夏には、元

気な女の子を出産し、今、1才半の子育てを楽しんでおり、命の宣告まで受けた男の子は、今は小学校2年生となり、元気に暮らしている。

### **【考察】**

女性1人、1人の心と体の悩みは、それぞれに違う個別性をもっている。また、往診をすることで、そのご家庭内の特色も把握ができる利点により、毎日の食餌療法(食材=food、五味五色など)と、食事療法(How to cook~, How to eat~, 切り方、煮る、煎じる、摂取の仕方など)の違いを伝えたことと、BDORTの検査により、家族全員が、より健康な生活を送っている。

### **【結論】**

妊娠は、一般的には、産婦人科の領域である。けれども、女性の体と心の悩みは、人によっては、ご主人にも言えない、打ち明けられない事情を抱え込んでいる時もある。BDORTの手法は、そのような女性たちの悩みを、1つ1つ解決していき、明るい未来と幸せな家庭を築くために、これからも未来永劫に貢献をされると思われる。

# **Report for happy-ending cases with pregnancy/childbirth after cancer surgery**

**Mamoru Saijo Cert. ORT-Lic. Ac (1 Dan)**

Yaomen acupuncture and moxibustion clinic

Kashiwa-city, Chiba Prefecture

(Correspondence: e-mail: ib25796@db4.s0-net.ne.jp, TEL:080-9541-0935)

## **Introduction**

In recent years, one in two Japanese people may suffer cancer, and more and more married couples avoid having a child even after marriage. In this paper, there were 2 female cases. In the first case, Ms. A completely gave up a pregnancy after she developed breast cancer and received the treatments such as anticancer drugs, surgery, and radiation. In the second case, Ms. B did not desire a pregnancy at all after her child developed eye cancer and she believed that the cancer was originally developed due to her physical cause genetically. Thus, by providing the guidance of Bi-Digital O-Ring Test (BDORT/OMURA, Y.1977-2020) to the meal contents for all family members through those two female patients, both patients became confident as a woman or mother again by eliminating a sense of anxiety when the physical condition of Ms. A was improved and the child of Ms. B could cure the cancer. This paper reports happy-ending cases as they became pregnant and gave birth to a child later.

## **Case**

1. The patient was a female Ms. A in her 30s with right breast cancer and started taking two types of anticancer drug from January 2015. In September, she underwent surgery to completely remove right breast and resect the surrounding regions and cervical/supraclavicular lymph node. Later, radiation and anticancer treatment were initiated. Yet, the treatment was discontinued in March 2016 due to the patient's request. In June 2017, she received re-examination due to dizziness, nausea, malaise, right chest pain, temporal headache, and poor physical condition. Because the cancer antigen (CA) level increased from 5 to 10 and she had a strong anxiety or a keen desire as "I absolutely cannot die leaving behind a 3-year-old child" after the diagnosis of "A possible metastasis to the brain" from her primary care doctor, she was referred to our institution by certain person.
2. The patient was a female Ms. B in her 30s. After the birth of the first child, the child developed eye cancer in 2014 as an incidence rate of one in 15,000 to 20,000 people. Since eye cancer reoccurred at the removed eye site even after the removal of one eye, a doctor at the hospital told her about the child's life expectancy.

## **Treatment**

1. The author visited a neighboring supermarket store with Ms. A, Ms. B, and their family for suggesting food ingredients with rich telomerase constituent. The author also explained how to utilize products in the supermarket store through actually seeing the real products on store shelves, particularly for food ingredients and seasonings such as seasonal vegetables and fruits (Each specific feature of root, stem, leaf, and seed = nut), five colors (A relation between the feature of 5 colors <Red/Green/Yellow/White/Black> and various internal organs), and five tastes (A relation between the feature of five tastes <bitterness, sourness, saltiness, sweetness, and pungency> and various internal organs) according to the Chinese Five Elements Theory.
2. The author explained to both Ms. A and Ms. B that the accumulation of heavy metals such as lead and mercury in a human body would cause various disorders. For discharging such heavy metals from the body, the author actually showed both patients the cooking method for coriander (cilantro) broth in the patient's kitchen as putting kitchen knife, cutting board, and harmless water into a pot for boiling, then asked them to drink the broth there. The

author recommended them to drink the broth (approximately 180cc per serving) 3 times a day for at least approximately 2 months.

3. The author explained to Ms. A what reflex point of the leg (true St.36) and the effect of drug-uptake would be, then recommended her to do a comfortable self-acupressure massage three times a day.

2018	3/10	3/13	6/2	6/3	6/11
	Hg	Hg	HPV	HPV	HPV
Large bowel	15mg	3mg			
Liver			44ng	15ng	1ng
Liver (HSV)			90ng	50ng	2ng

4. The author continued persuading Ms. B, “The most important thing is that you as mother should try not to think of fear of death compared to your child living in fear, but continuously believe the cancer will be cured”. Because her child could return home for some days regularly, she used coriander broth at home. The author asked her let her child drink it with Miso soup, ramen noodle, and pot dish 3-4 times a day. In addition, the author also recommended her to give her child comfortable massage mainly with a reflex point of the leg (true St.36). The author explained the reason why the massage can play a role to enhance the effect of anticancer drugs by being easily absorbed in target cancer tissues as an effect from drug-uptake, then recommended her to do the massage as many times as she can every day.

## Result

1. Because Ms. A was continuously drinking coriander broth for approximately two weeks, unidentified complaints such as temporal headache on the right side, chest pain, dizziness, nausea, and general feeling of malaise were relieved. By the third month, she had menstruation again and began recovering self-confidence as a woman. Around last summer (2019), when she visited gynecology and obstetrics due to a change in physical condition, the doctor told her “I would like to confirm you are pregnant. The estimated date of delivery will be around March next year (2020)”. Later, she called and told me, “I never thought I could hold a baby again, even in my dream. I am so happy”.
2. For Ms. B, the recurrent cancer treatment for her child with a predicted life expectancy from the doctor fortunately worked and the cancer was cured. She told me, “Because I gave birth to my child, I blamed myself that my body may have caused the cancer genetically. Yet, after the cancer is cured, I am now glad I am freed from load on my mind”. In the summer of 2019, she gave birth to a lively baby girl, and now enjoys raising the child at the age of a year and a half. The boy who once received the sentence of death is living healthily as a second grader in the elementary school.

## Discussion

Anxiety associated with mind and body has different characteristics depending on an individual person. Furthermore, since I can understand characteristics for each family through house visit as an advantage, all family members spend a healthier life by learning daily alimentary therapy (e.g. Food ingredients, five tastes & five colors), difference in dietary therapy (e.g. How to cook, eat, cut, boil, brew, and consume), and BDORT test.

## Conclusion

Pregnancy is generally categorized as the field of obstetrics and gynecology. However, female anxiety associated with mind and body cannot be shared even with her husband in difficult circumstances or she blames herself depending on the person. I believe that BDORT’s method will solve these female anxieties one by one, and make a contribution to helping families to build a bright future and happiness eternally.

## ロルフィングによって身体構造が重力への適応性を向上させることは、バイ・デジタルO-リングテスト上どんな意味を持つのか？

1. 田畑浩良 Certified Advanced Rolfer™, International Rolf Movement faculty of Dr. Ida Rolf Institute.
2. 下津浦康裕 M.D., F.I.C.A.E., Cert. ORT-MD (7 Dan) (日本 BDORT 協会会長; 下津浦内科医院院長)

### はじめに

Rolfing® Structural Integration(以下ロルフィング®)は、軟部組織のマニピュレーションと動きの教育を用いて身体構造を統合するための教育プロセスである。この技法は、身体が重力への適応性を上げることで、生活の質を向上させ、身体パフォーマンスを上げることが知られている。ロルフィングは、症状の改善を目的としたいわゆる治療ではないが、身体のバランスが整うにしたがって、何らかの症状が改善することが例が報告されている。重力への適応性を向上させることが、どのようにして症状改善につながるのか、そのメカニズムについてはよくわかっていない。

一方、大村と下津浦は、彼等が **Foot Gravitation Center(FGC)** と呼ぶ、足の甲の特定のポイントを刺激することが治療効果を有し、いくつかの生活習慣病の指標となる検査用物質を減少させることを報告している。FGC への刺激は、足のアーチを強化すると考えられ、ロルフィング同様、身体が重力への適応性を上げると考えられる。我々は、ロルフィングのセッションの前後で、酸化ストレスマーカーの一つ、8-OHdG のレベルがどのように変化するかを、高感度かつ非侵襲的に評価可能なバイ・デジタルO-リングテストを用いて測定した。

表 1. ロルフィングの酸化ストレスマーカー、8-OHdG のレベルに与える影響

Case	Before Rolfing10 series	After Rolfing10 series	Post 10 Subsequent sessions	Decreased value (Before - After)	Remarks
A	+20	+5		15 ↓	phyllodes tumor
B	-10	-20		10 ↓	breast cancer
C	-10	-30		20 ↓	uterus/ovary cancer
D	+15	-10		25 ↓	breast cancer
E	+10	-20		30 ↓	asthma
F		0	-40	40 ↓	glaucoma
G	+5	-70		75 ↓	thyroid disorder
H	+10	+10		0 →	chronic constipation
I	0	-10		10 ↓	heart disease
J	+10	-70	-90	80 ↓ (100 ↓)	arthritis
K	+25	+5	-20	20 ↓ (45 ↓)	colon cancer
L	+25	+25		0 →	breast cancer (before removal)
L		-20	-30	10 ↓ (55 ↓)	(after removal)

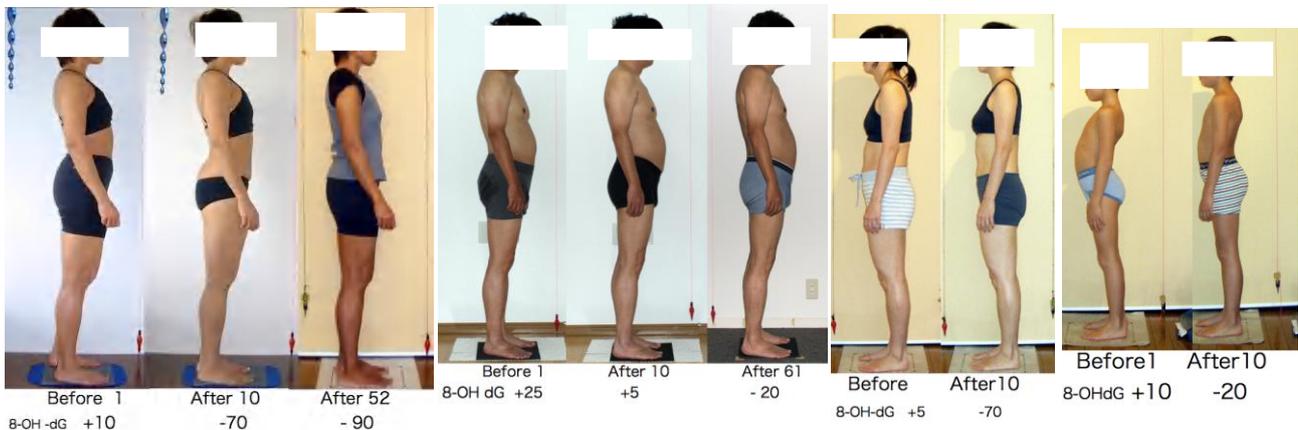
### 方法

ロルフィング 10 シリーズは、Ida P. Rolf の 10 回のプロトコールに従って進められた。その際、田畑と Agneessens が発展させた **The Art of Yield** を導入して、セッションを提供した。何らかの既往歴があり、写真データの使用許可が得られているケー

スを対象とし、8-OHdG のレベルは、ロルフィング前後の写真から、下津浦 ORT-MD (7 Dan)が測定した。+25～-100 の間での測定値で、値が低い程、疾病から遠い状態にあると判断される。

### 結果

ロルフィング 10 セッションによって、2 ケース以外の 10 ケースにおいて、8-OHdG の値が減少していた。ケース J においては、8-OHdG が 10 シリーズ後 +5 から -70 にまで減少し、さらにメンテナンスのセッションをうけることにより、最終的に -90 まで減少していた。ケース K においても継続的にセッションを受けることにより、最初の +25 から最終的に -20 まで下がっていた。一方、ケース L に関しては、10 セッション前後で数値が +25 と変わらず、乳癌除去後 -20 にまで減少し、さらにセッションすることで、-30 まで減少するという反応性に違いが認められた。このケースに関しては、その後化学療法を行っているが、それに対応して 8-OHdG の値も上昇していた。



**Fig.1 Case J**

**Fig.2 Case K**

**Fig.3 Case G**

**Fig.4 Case E**

**結論：**一部のケースを除き、ロルフィングのプロセスによって、酸化ストレスマーカーである 8-OHdG のレベルが減少する可能性が示唆された。8-OHdG が低レベルで抑えられることは、がんや心臓病、認知症などの生活習慣病になり難い、つまり健康レベルが高いことを意味する。ロルフィングによって身体構造が重力への適応性を向上させることは、身体のパフォーマンスだけでなく、健康のレベルをより高め、病気の予後の再発防止にも役立つ可能性があるかと推測される。

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2. Tahata, H. 2018 Mar. "Working with *Ma*: Further Refinement of the Yielding Approach through Time, Space, and Intersubjectivity." *Structural Integration: The Journal of the Rolf Institute*® 46(1):44-51.

## **What is the significance to enhance adaptability of human structure to gravity through Roling process in the diagnosis of Bi-digital O-Ring test?**

**Hiroyoshi Tahata<sup>1</sup>, Yasuhiro Shimotsuura M.D., F.I.C.A.E., Cert. ORT-MD (7 Dan)<sup>2</sup>**

1. Rolf Movement Faculty, Japanese Roling Association; Faculty of Rolf Movement®, Self-employed, 2-7-805 Daikanyamacho, Shibuya, Tokyo, 1500034, *Japan*
2. Yasuhiro Shimotsuura M.D., F.I.C.A.E., Cert. ORT-MD (7 Dan).  
President, Japan Bi-Digital O-Ring Test Medical Association; President, Shimotsuura Clinic  
496 Higashimachi, Kurume City, Fukuoka 830-0032, *Japan*

### **Introduction:**

Roling® Structural Integration (Roling SI) is a somatic educational process for integrating body structures using soft tissue manipulation and movement education. This process is known to improve physical performance by increasing the body's ability to adapt to gravity. Roling is not a treatment aimed at improving symptoms, but it has been reported that some symptoms are improved in proportion as the body is balanced. It has not been revealed yet how improving adaptive ability to gravity can lead to improvement of some symptoms. Prof. Omura and Dr. Shimotsuura recognized gravity should be the key factor for wellness. They reported stimulating the dorsum point of foot as Foot Gravitation Center (FGC), could have some therapeutic effects to decrease the level of reference control substances including an oxidant stress marker, 8-OHdG. As this stimulation on FGC might strengthen the arches to balance the body, it is our prediction that Roling process also might have some therapeutic effects in a similar way. We examined some cases of the level of 8-OHdG before and after Roling process by Bi-digital O-Ring test (BDORT). This is the first report how Roling SI is evaluated in the diagnosis of BDORT.

**Methods:** The Ten Series of Roling SI incorporated with the Art of Yield approach was given to the client according to the sequence of Ida P. Rolf's protocol through gentle touch and the somatic resonance of the Hara (center of gravity) to guide us in our particular position in the room to set up for the order of intervention. The level of an oxidant stress marker, 8-OHdG was measured through the photo data of Roling process by Dr. Shimotsuura ORT-MD (7 Dan).

**Results:** Roling 10 sessions reduced the level of 8-OHdG in 10 cases except for the 2 cases. In the case J with arthritis on her knee, the level of 8-OHdG reduced from +5 to -70 after Roling 10 series, and finally decreased to -90 after some maintenance sessions. In the case K with the colon cancer removal, 8-OHdG level reduced from the initial +25 to -20 through subsequent sessions. On the other hand, in the case L, the value of 8-OHdG was kept at the same level of +25 even after the Roling 10 sessions. But it was decreased to -20 after removal of breast cancer, followed by leading to -30 after the further Roling session. In this case, subsequent chemotherapy was accompanied by a corresponding rise in 8-OHdG levels.

**Conclusions:** Excepting two cases, it is suggested that Roling process may reduce levels of the oxidant stress marker, 8-OHdG. A low level of 8-OHdG means that people would not get lifestyle-related diseases easily, including cancer, heart disease and dementia. It is predicted that enhancing the adaptability to gravity through Roling process may not only relate to body performance, but also have possibility to ward off illness.

Table 1 Assay of a stress marker, 8-OHdG by BDORT

Case	Before Roling10 series	After Roling10 series	Post 10 Subsequent sessions	Decreased value (Before - After)	Remarks
A	+20	+5		15 ↓	phyllodes tumor
B	-10	-20		10 ↓	breast cancer
C	-10	-30		20 ↓	uterus/ovary cancer
D	+15	-10		25 ↓	breast cancer
E	+10	-20		30 ↓	asthma
F		0	-40	40 ↓	glaucoma
G	+5	-70		75 ↓	thyroid disorder
H	+10	+10		0 →	chronic constipation
I	0	-10		10 ↓	heart disease
J	+10	-70	-90	80 ↓ (100 ↓)	arthritis
K	+25	+5	-20	20 ↓ (45 ↓)	colon cancer
L	+25	+25		0 →	breast cancer (before removal)
L		-20	-30	10 ↓ (55 ↓)	(after removal)



Fig.1 Case J



Fig.2 Case K

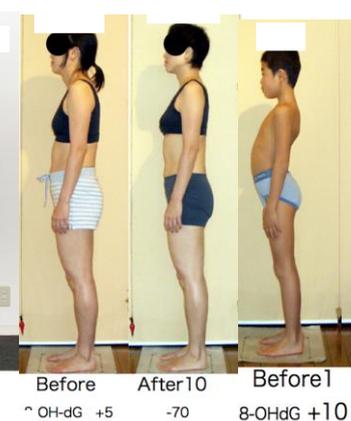


Fig.3 Case G



Fig.4 Case E

**References:**

1. Agnessens, C. and H. Tahata 2012 Jun. "Yielding: Engaging Touch, Presence, and the Physiology of Wholeness." *Structural Integration: The Journal of the Rolf Institute*® 40(1):10–16.
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**Keywords:** Roling, Structural Integration, The Art of Yield, Bi-Digital O-Ring Test

## 心の壁

—バイ・デジタル O-リングテストでしかわからない世界—

下津浦 康裕 M.D.,F.I.C.A.E., Cert. ORT-MD (7 Dan)

日本 BDORT 協会会長；下津浦内科医院院長

(Correspondence: e-mail : seimei@bdort.net, FAX : +81-942-36-1961)

### 抄 録

あなたに見えている世界はあなたが愛している世界です。出会った人を遠ざけると見えなくなります。これは宇宙の真理です。あなたがこの世に生まれ、体験する出来事は全てが愛に包まれた光の世界です。しかし、嫌な世界は光速を越え、宇宙の彼方へと拡散してしまいあなたからは見えなくなるし、遠ざけてしまいます。この宇宙のなかで見える世界はほんの 1 部で、見えない世界は $\infty$ のように存在しています。惹かれる力が愛だとすれば、遠ざかる力恐れる力も $\infty$ に存在しています。この 2 つの世界の壁が実は 0 です。宇宙のすべての力の総和のバランスのとれた状態が 0 で、最も強力な力を有しており、宇宙で起こる現象は必ずこの 0 バランスへ動きます。

## **The Wall of the Mind**

**—A world that can only be understood by the Bi-Digital O-ring test—**

**Yasuhiro Shimotsuura M.D., F.I.C.A.E., Cert. ORT-MD (7 Dan)**

President, Japan Bi-Digital O-Ring Test Medical Association; Director, Shimotsuura Clinic

(Correspondence: e-mail : seimei@bdort.net, FAX : +81-942-36-1961)

### **ABSTRACT**

The world that you can see is the world that you love. It does not seem that we keep away the person whom we met. This is truth of the space. You are born in the world, and the event to experience is the world of the light that all was wrapped in love. However, the unpleasant world is beyond velocity of light and we spread to the distance of the space and we lose our eyesight and keep it away from you.

The world to see in this space is just one copy, and the invisible world is present like  $\infty$ . If an attracted power is love, the power to be afraid of a power to go away is present in  $\infty$ . In fact, these two world obstacles are 0. A balanced state of the summation of all powers of the space is 0 and has the strongest power, and phenomena that occur in the universe always move to these zero balances.