

## 6<sup>th</sup> International Conference on Clinical & Experimental Cardiology November 30-December 02, 2015 San Antonio, USA

New simple method of accurate localization of normal or abnormal anatomical locations of the heart on recorded ECGs: Detection of Limes Disease infection causing atrial fibrillation & their effective treatment before or after atrial fibrillation is formed

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Tsing simple but very sensitive Electro-Magnetic Field (EMF) resonance phenomenon between 2 identical molecules with the same weight, which received a US Patent in 1993, we succeeded in detecting any molecule non-invasively from any part of the body, as long as a reference control substance are available. Using this method, we were able to identify any part of the heart, which corresponds to a specific part of the recorded ECGs using a tissue sample of a specific part of the heart. Since the method is very sensitive, even small potentials coming from the SA node, AV node, or his bundle with a very small microvolt range, (which we cannot see on the regular ECG without a high gain amplifier with a signal averaging method) can be detected easily using a very sensitive EMF resonance method between 2 identical molecules & also quickly determine if they are normal or abnormal. As an example, we examined the presence or absence of Borrelia Burgdorferi (B.B.) Spirochete, which causes Limes Disease, and a relatively large percent (at least 30%) of ECGs of atrial fibrillation of the heart, we were able to detect a BB infection. Among the patients who have been diagnosed with Limes Disease, more than 70% of patients who received repeated acupuncture treatment of painful joints due to B.B. infection, we were able to detect various degrees of B.B. infection in the SA node area as well as the right & left atrium. A strong infection in one side of the brain was often detected from the pupil of the eye. Standard treatment with doxycycline 100 mg 3 times a day was much more effective than twice a day, or amoxycillin 500 mg 3 times a day often reduces the B.B. infection but usually we often cannot eliminate the B.B. infection completely, even after 2 months or long after treatment with increased brain infection. However, we found a significant reduction of B.B. infection by combined use of standard treatment. In addition to the above standard treatment, by the combined use of average adult dose of Vitamin D3 (400 IU) and Taurine (200 mg) 3 times daily which enhanced not only both killing and fragmenting Spirochete to small pieces, but also excreted a large amount of them in urine. Thus, we can reduce or eliminate before B.B. infection reaches an extensive infection to create atrial fibrillation.

## **Biography**

Yoshiaki Omura received Oncological Residency Training at Cancer Institute of Columbia University & Doctor of Science Degree through research on Pharmaco-Electro-Physiology of Single Cardiac Cells in-vivo and in-vitro from Columbia University. He published over 265 original research articles, many chapters and 9 books. He is currently Adjunct Prof. of Family & Community Medicine, New York Medical College; Director of Medical Research, Heart Disease Research Foundation, New York; President and Prof. of International College of Acupuncture and Electro-Therapeutics, New York; Editor in Chief, Acupuncture & Electro-Therapeutics Research, International Journal of Integrative Medicine, which is indexed by 17 major international Indexing Periodicals. Currently he is also Executive Editor of Integrative Oncology. Formerly, he was also Adjunct Prof. or Visiting Prof. in Universities in USA, France, Italy, Ukraine, Japan and China.

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