Yoshiaki Omura, J Clin Exp Cardiolog 2015, 6:4
http://dx.doi.org/10.4172/2155-9880.S1.022

OMICS International
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5th International Conference on

Clinical & Experimental Cardiology

April 27-29, 2015 Philadelphia, USA

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New method of detecting various cancers & their biochemical information from QRS complex of ECGs & rising part of T-wave was found. Using ECGs, in addition to information on the heart, we can also screen cancers and evaluate the effect of any cancer treatments

Introduction: During the past 10 years, the author successfully detected biochemical changes, bacterial and viral infections, and identifying the exact location of the infections of different part of the heart by ECGs. Similar findings were found at different parts of the brain by EEGs. Recently the author found that using electrocardiogram not only information on the different part of the heart but also can detect various cancers existing in the rest of the body.

Method: Cancers existing at outside of the heart from rest of the body were able to be detected from part of QRS complex as well as rising part of T-wave of every recorded 12 lead ECGs by detecting maximum Electromagnetic Field (EMF) Resonance Phenomenon between 2 identical molecules with same amount using simple method which received a U.S. patent in 1993. From recorded ECG, EMF Resonance Phenomenon between specific cancer microscope tissue slides and ECG were only detected from part of QRS complexes of ECGs & a part of rising part of T-waves. QRS complexes of ECG contain invisible information of specific cancers that exist at the outside of the heart in the rest of the same person. This information is detected at relatively large dV/dt of QRS complex of ECGs. Large dV/dt of QRS complexes due to right and left ventricular excitation which generate relatively large electrical current and voltage resulting from large muscle mass of ventricles of the heart compared with rest of the electrocardiogram which has very little dV/dt with exception of rising part of T-waves of ECGs which correspond to "the Vulnerable Period of Ventricular Fibrillation" or "Commotio Cordis" in spite of relatively small dV/dt.

Result: The author was able to detect cancer of various organs including lung, esophagus, breast, stomach, colon, uterus, ovary, prostate gland, common bone marrow related malignancies such as Hodgkins Lymphoma, Non Hodgkins Lymphoma, Multiple Myeloma as well as Leukemia and even brain tumor such as anaplastic astrocytoma and glioblastoma. In addition the author was also able to find when the patient has more than one different cancer at different parts of the body. In addition, most of medicine taken within 10 hours before taking ECG can be detected from part of QRS complex & rising part of T-waves.

Discussion: Thus, by comparing the same lead of ECGs before and after any treatment, the therapeutic effect of specific cancers can be evaluated. In addition if electrocardiogram is taken periodically we can find approximately when cancer information starts appearing in the electrocardiogram. Maximum information from cancer can be found in QRS complex where dV/dt is relatively large. This new concept and method can be applied any recorded ECGs for detection and screening of the cancer. Thus, electrocardiogram can provide not only information on the heart but also can provide any single cancer or multiple cancers which exist in the outside of the heart of the same individual.

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 260 original research articles and 8 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 and Journal of Clinical Trials in Cardiology. Formerly he was also Adjunct Prof. or Visiting Prof. in Universities in USA, France, Italy, Ukraine, Japan & China.

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