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Chapter 1 : Bioelectrography Publications - IUMAB

Bioelectrography, a new method for detecting cancer and monitoring body physiology by Leonard W. Konikiewicz, Leonard C. Griff. Published by Leonard Associates Press in Harrisburg, PA.

Beta 2 microglobulin; WD: An important caveat put forth by this working group in the use of tumor markers in monitoring response to therapy is that "a complete remission cannot be determined by tumor marker levels, but if tumor marker levels are elevated, the clinical decision of complete remission based on conventional methods should be considered incorrect unless an explanation for the presence of an elevated level is given".

CONCLUSIONS The use of tumor markers in clinical oncology has increased tremendously with rapid expansion of techniques of detection and identification of new markers in recent times, a trend that continues to grow as technology progresses and our understanding about our body and the disease processes increases. However, such use is not without its pitfalls; in fact, injudicious application of tumor markers is fraught with risks of mistreatment under-treatment or over-treatment and its consequences. Of the numerous tumor markers identified, described and extensively researched upon, only a handful of them are used in routine clinical practice; and even of these, only a few have established consensus guidelines for use in day- to-day care of patients. With the explosion in the pool of knowledge, clinical application of tumor markers in the field of oncology represents a classical example of "losing sight of the forest for leaves of a tree. Judicious application of tumor markers to clinical practice needs a thorough understanding of the basics of pathophysiology, the techniques of identification or testing, reasons in cases of both benign and malignant tumors for out-of-range levels of tumor markers, as well as the knowledge of evidence of their role in any given malignancy.

Footnotes Conflict of Interest: Practice guidelines and recommendations for use of tumor markers in the clinic: Quality requirements [Section 2] Draft Guidelines Available from: Gold P, Freeman SO. Demonstration of tumor specific antigens in human colonic carcinomata by immunological tolerance and absorptions techniques. Past, present, and future. Physiology, pathobiology, technology, and clinical applications. Elsevier Churchill Livingston;; From laboratory to clinical utility. Tumor biology and tumor markers. Sabiston textbook of surgery. A framework for the molecular classification of circulating tumor markers. Ann N Y Acad Sci. Lindblom A, Liljegren A. Tumor markers in malignancies. Cecil textbook of medicine. WB Saunders Company; Diagnosis and management of cancer using serological tumor markers. ASCO update of recommendations for the use of tumor markers in gastrointestinal cancer. American society of clinical oncology update of recommendations for the use of tumor markers in breast cancer. Canadian Guide to Clinical Preventive Health. Primary hepatocellular carcinoma in women of mainland China: A clinicopathologic analysis of patients. Early detection of ovarian cancer: Manual of clinical oncology. Sobin LH, Wittekind C, editors. TNM classification of malignant tumors; pp. N Engl J Med. Fateh-Moghadam A, Stieber P. Sensible use of tumour markers; pp. Determination of tumor markers in serum: Pitfalls and good practice. Clin Chem Lab Med. Progressing from gene mutations to cancer. Elsevier Churchill Livingston; Uses and abuses of tumor markers in the diagnosis, monitoring, and treatment of primary and metastatic breast cancer. Bigbee W, Herberman RB. Tumor markers and immunodiagnosis. BC Decker Inc; European group on tumour markers: Diagnosis and management of Cancer using serological tumor markers. Henryâ€™s clinical diagnosis and management by laboratory methods. Wu JT, Nakmura R. American Association of Clinical Pathologist; Chicago: Human circulating tumor markers. Effect of different test designs of immunoassays on "hook effect" of CA measurement. J Clin Lab Anal. Monoclonal immunoassays for tumor markers. Coordinate elevation of serum markers in ovarian cancer but not in benign disease. Expression of monoclonal antibody defined tumor markers in four carcinomas. Ann Clin Lab Sci. Lipid associated sialic acid test for the detection of human cancer. Phantom of the immunoassay. Practice Guidelines for tumor marker use in the clinic. Practice guidelines and recommendations for use of tumor markers in the clinic. Working group on Tumor marker criteria.

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Chapter 2 : Network Looks at Genetics of Esophageal Cancer - Translational Science Newsroom

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Proceedings in English Kolmakow S. Relation between energetic diagnoses and GDV images. Ljubljana, October , pp. Health evaluation based on GDV parameters. Petersburg, Russia, , pp New computer technology for evaluating the psycho-physical fitness of athletes. Physical Education and Sport. Warszawa, , 46 1 , The effect of music and focused meditation on the human energy field as measured by the gas discharge visualisation GDV technique and profile of mood states. Parallel investigation of the meridian stress assessment msa and the gas discharge visualization devices: Gas discharge visualization GDV -bioelectrography. Measuring the Human Energy Field. State of the Science. Proceeding Book Part 1. Allergy etiology diagnostics using Gas Discharge Visualization Technique. Petersburg Military Medical Academy. Investigation of natural and synthetic flavors and fragrances using the dynamic gas discharge visualization technique. Florence, Italy September Pp Krizhanovsky E. Investigation of essential oils and aroma ingredients using Dynamic GDV. Evaluation and analysis of the athletes inclined to using alcohol and drugs. The influence of textiles on corona discharge created around a human fingertip. Sensitivity of human energetic field to geopathogenic radiation and the efficiency of magnetic protection. Water and liquids analysis with EPC. General principles of electrophotonic analysis. Methodological difficulties in GDV evaluation in patients with hyperthyroidism. Living water from Tunjice and its properties. The influence of artificial beach on human coronas. The influence of Situla A Detox on human coronas. Effects of relaxation technique step-by-step on anxiety, depression, arterial blood pressure and heart rate on patients with cardiovascular disease. Earthquake energy rise on earth. Bio-electrographic method for preventive health care. Baikal water ceremony by Dr. Nanotechnologies for investigation of water decomposition by GDV- and thermal-vision methods: Water, Energy and Surfaces: In this book, articles reflecting the basic directions of researches in the field of medical, applied bioelectrography and water study are collected. The materials submitted in the book predetermine availability of the further researches on improvement of the method GDV and its subsequent introduction into the international medical, sports and research practice. Our previous books were created by a small group of associates. This volume presents a wide range of articles by authors from different countries. Research by independent groups around the world demonstrates that the GDV technique provides methods for recording subtle dynamics in the energy fields of objects with various natures. GDV assessment methods are demonstrated to have a wide range of important applications in medicine, sports performance, materials testing, as well as analytic studies of human consciousness and spiritual healing. This book is dedicated to the presentation of the scientific foundations and practical applications of the Gas Discharge Visualization GDV technique. This technique represents a revolutionary new method for the study of biological subjects, namely biological energy fields. This research extends scientific tradition, developed in Russia in the twentieth century. The Human Energy Field carries information on physical, mental and spiritual states of a human being, and the GDV Bioelectrography technique is the first method in the world which gives an opportunity to study this information. Utilizing the latest advances in technology, such as microelectronics, computer imaging, and data mining, scientists have been able to create an entirely new class of scientific instruments that allow the practitioner to view, measure and analyze biological subjects in a manner that has never been possible before. The GDV technique has been found to have numerous highly important applications in medicine, sports, consciousness studies, material testing and other areas, discussed in this book. Whether the reader is a physicist, poet or philosopher, this technique offers an entirely new understanding of the world in which we live. Each encounter simply confirms the wisdom contained in all the holy books of every religion. We are all one. We are all connected. We are the interrelation of Matter, Information and Spirit. Table of Contents Ch.

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Chapter 3 : Leonard W Konikiewicz: used books, rare books and new books @ calendrierdelascience.com

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In anemia, with the hematocrit reduced, the velocity of the upward flow of plasma is altered so that red blood cell aggregates fall faster. Macrocytic red cells with a smaller surface-to-volume ratio also settle more rapidly. A decreased ESR is associated with a number of blood diseases in which red blood cells have an irregular or smaller shape that causes slower settling. An extreme elevation of the white blood cell count as observed in chronic lymphocytic leukemia has also been reported to lower the ESR. Although it has been reported that drug therapy with aspirin or other nonsteroidal anti-inflammatory agents may decrease the ESR, this has been disputed. The ESR is a non-specific test and so can be difficult to interpret. Recent trials of the ESR have demonstrated no value in screening asymptomatic individuals, because not only is the number of abnormal is low but also in most cases the abnormal test returns to normal over several months without any significant diagnosis being made. An extensive search should be made for the cause of an elevated ESR but provide little evidence of the benefits of such a search. Recent cost-benefit analysis has suggested that tests in addition to a complete history and physical examination are not cost effective. However, there are several groups of patients where the ESR is important, patients suspected of having temporal arteritis or polymyalgia rheumatica. In these cases treatment is often initiated after an elevated ESR result is known and prior to a definitive biopsy. In these patients the diagnosis is difficult to sustain, but not excluded, if the ESR is normal. Even in screening patients with possible myeloma the ESR has been replaced by measurement of total protein and globulin fraction. An extreme elevation of the ESR defined as greater than mm per hour is associated with a low false-positive rate for a serious underlying disease. In most series, infection has been the leading cause of an extremely elevated value, followed by collagen vascular disease and metastatic malignant tumors. The erythrocyte sedimentation rate ESR is a relatively nonspecific test that is frequently ordered during the diagnosis and monitoring of disease. A variety of factors influence the sedimentation rate. Disease-related factors that may affect the ESR include the plasma immunoglobulin and fibrinogen concentrations, and the presence and degree of anemia. That process may affect ESR values include age, sex, and drug therapy. Increased sedimentation rate of blood from ill individuals. Alf Westergren refined the technique of performing the ESR and reported its usefulness in determining the prognosis of patients with tuberculosis: A standardized technique for blood sedimentation test. *Am J med Sci* ; Temporal arteritis and polymyalgia rheumatica: Clinical and biopsy findings. *Ann Intern Med* ; The erythrocyte sedimentation rate: *Postgrad Med* ; Stuart J, Whicher JT. Tests for detecting and monitoring the acute phase response. *Arch Dis Child* ; A comparison between erythrocyte sedimentation rate ESR and selected acute-phase proteins in the elderly. *Am J Clin Pathol* ; Smith EM, Samadian S. Use of the erythrocyte sedimentation rate in the elderly. *Br J Hosp Med* ; Normal erythrocyte sedimentation rate and age. *Br Med J* ; 2: *South Med J* ; 3: Wolfe F, Michaud K. The clinical and research significance of the erythrocyte sedimentation rate. *J Rheumatol* ; Saunders Company ; Use of the erythrocyte sedimentation rate in chronically ill, elderly patients with a decline in health status. *Am J Med* ; Temporal arteritis with low erythrocyte sedimentation rate: *Arthritis Rheum* ; Clinical significance of extreme elevation of the erythrocyte sedimentation rate. *Arch Intern Med* ; Erythrocyte sedimentation rate as a tumor marker in human prostatic cancer: Markedly elevated erythrocyte sedimentation rates: *Br J Clin Pract* ; Serum acute phase reactants and prognosis in renal cell carcinoma. The mystique of the erythrocyte sedimentation rate. *Clin Laboratory Med* ; Predicting bone marrow iron stores in anemic patients in a community hospital using ferritin and erythrocyte sedimentation rate. Thoren B, Wigren A. Erythrocyte sedimentation rate in infection of total hip replacements. Barland P, Lipstein E: Selection and use of laboratory tests in the rheumatic diseases. *Am J Med* ; suppl 2A:

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Chapter 4 : Raymond Damadian - Wikipedia

Kirlian photography is a collection of photographic techniques used to capture the phenomenon of electrical coronal discharges. The term is named after Semyon Kirlian, who, in 1929, accidentally discovered that if an object on a photographic plate is connected to a high-voltage source, an image is produced on the photographic plate.

He studied the violin at Juilliard for 8 years, [7] and played in Junior Davis Cup tennis competitions. She invited him to the Billy Graham crusade at Madison Square Garden, and he responded to the altar call. Raymond and Donna married a year after he finished medical school, [8] and they had three children. Raymond says that he first became interested in detecting cancer when, as a boy of 10, he saw his maternal grandmother, with whom he was very close, die painfully of breast cancer. This was consistent with ordering of a large part of the water by adsorption onto macromolecular surfaces. He suggested that these differences could be used to detect cancer, even in the early stages where it would be most treatable, though later research would find that these differences, while real, are too variable for diagnostic purposes. However, Damadian in his seminal paper claimed only that his method was a detection tool, making no claim about being a diagnostic tool, but intended that it would provide a non-invasive way of detecting cancers and monitoring the effectiveness of their therapy. So when in the court case *Fonar v. In*, he received the first patent in the field of MRI when he patented the concept of NMR [16] for detecting cancer after filing an application in 1971, now there are over 4,000 patents on MRI. Peter Mansfield from the University of Nottingham then developed a mathematical technique that would allow scans to take seconds rather than hours and produce clearer images than Lauterbur had. It took almost five hours to produce one image: The images were rudimentary by modern standards. Damadian, along with colleagues Larry Minkoff and Michael Goldsmith took seven years to reach this point. His technique of imaging was never made into a practically usable method and has therefore never been used in MR imaging as we know it today. However, in 1971, Damadian had previously proposed NMR as a method for external scanning of internal cancers in the body, in his paper "I am very much interested in the potential of NMR spectroscopy for early non-destructive detection of internal malignancies. Detection of internal tumors during the earliest states of their genesis should bring us very close to the total eradication of the disease. This was clearly influential, as Lauterbur wrote in "Because of the contributions of Dr Raymond Damadian and Dr Paul Lauterbur, magnetic resonance imaging has become the most powerful and reliable diagnostic tool in medicine. NMR scanning resulted from two essential steps. Dr Damadian provided the first step, the discovery of tissue NMR signal differences from which the image is made and the first concept of an NMR body scanner that would utilize these signal differences to detect disease in the human body. Dr Lauterbur provided the next step of visualizing these signal differences as an image and supplied the first method for acquiring these signals at practical speeds. It does not seem likely that MRI could have come to pass without the key steps contributed by both scientists. Moreover, the incredible amount of courage and pugnacity shown by Damadian, working alone with only two students, without any consistent granting, thus leading him to do most of the development of his system as a self-made man learning when required, electronics, machining, welding and many other technologies in order to build his first prototype, is exemplary for any researcher. This has to be compared with the working conditions of Lauterbur or Mansfield, both working with comfortable fundings in spacious laboratories with many colleagues and students. At least from the point of view of the merit, the work of Damadian, indeed, is considerable. As late as 1971, there were a handful of MRI scanners in the entire United States; today there are thousands. Fonar Corporation [edit] In 1974, Damadian formed his own company, Fonar [24] which stood for "Field Focused Nuclear Magnetic Resonance", for the production of MRI scanners, and in 1976, he produced the first commercial one. His scanner, named "Indomitable," failed to sell. There are a number of independent MRI centers that use this technology both in the U.S. He was named the Knight of Vartan "Man of the Year. Although Nobel rules allow for the award to be shared by up to three recipients, Damadian was not given the prize. In the National Academy of Sciences commissioned a timeline

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of MRI milestones, and four of the 12 in an initial draft were attributed to Damadian. At the final publication in , longer than any other publication in the series had ever been taken, none of the milestones were attributed to Damadian. If Lauterbur had not been born? I would have gotten there. The issue has been the subject of a dispute between Dr. Lauterbur, 74, is not in good health, and the committee may have decided that its prize, which cannot be given posthumously, needed to be awarded for the discovery now or never. Some felt that research scientists sided with Lauterbur because he was one of their own, while Damadian was a physician who had profited greatly from his early patents. Furthermore, except for the relaxation differences discovered by Damadian, there would be no reason to expect that such an image would show anything, i. Science and technology are two distinctly different enterprises. Science is the branch of knowledge dedicated to compiling factual information and understanding natural phenomena. It precedes technology, and technology cannot advance without it. The new scientific information is necessarily the first step. I cringe at the thought that Raymond Damadian was refused his just honor because of his religious beliefs. Having silly ideas in one field is no good reason to deny merit for great ideas in another field. Apart from the fact that this time the Creation Scientists will think that there is good reason to think that they are the objects of unfair treatment at the hands of the scientific community. If people were actively campaigning against me because of that, I never knew it.

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Chapter 5 : GDV and Kirlian literature

This technique represents a revolutionary new method for the study of biological subjects, namely biological energy fields. This research extends scientific tradition, developed in Russia in the twentieth century.

Journal of Applied Physics, v. New computer technology for evaluating the psycho-physical fitness of athletes. Physical Education and Sport. Warszawa, , 46 1 , Frontier Perspectives, ,11,2, Bundzen P. Altered States of Consciousness: Journal of Alternative and Complementary Medicine, , 8 2 , An insight into Physics of Consciousness in light of recent advances in quantum computing and GDV research. International J of Alternative and Complementary Medicine. June Gibson S. The effect of music and focused meditation on the human energy field as measured by the gas discharge visualisation GDV technique and profile of mood states. The therapeutic effect of tai chi in the healing process of HIV. Inductive and Bayesian learning in medical diagnosis. Machine learning for medical diagnosis: Artificial Intelligence in Medicine. Bioelectrography - A new method for detecting cancer and body physiology. Leonard Associates Press, Concentration dependence of gas discharge around drops of inorganic electrolytes. J of Applied Physics, , V. Kirlian-type images and the transport of thin-film materials in high-voltage corona discharge. Image modulation in Corona Discharge Photography. Parallel investigation of the meridian stress assessment msa and the gas discharge visualization devices: J Alt Compl Med v. Mandala Ediciones, Madrid Shaduri M. Application of bioenergography in Medicine. N 2, , pp. Biological influence of ultraweak supposedly electromagnetic radiation from organisms mediated through water. Electro and Magnitobiology, 15 3 , , A possible basis for healing touch evaluated by high voltage electrophotography. Acupuncture and electro-therapeutics Res. Indirect instrumental detection of ultraweak, presumably electromagnetic radiation from organism. Electro and Magnitobiology, 16 3 , , Influence of ionic composition of water on the corona discharge around water drops.

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Chapter 6 : Simple blood test could be used to detect breast cancer

1. Author(s): Konikiewicz, Leonard W; Griff, Leonard C Title(s): Bioelectrography, a new method for detecting cancer and monitoring body physiology/ by Leonard W. Konikiewicz, Leonard C. Griff.

Kryptonite Radiation Kryptonian Physiology: Under the effects of a "yellow" sun, Kancer possesses the same potential powers as an average Kryptonian. His biological make up includes a number of organs which lack analogues in humans and whose functions are unknown. It is believed that between one or more of these and his bio-cellular matrix, "yellow" solar energy is stored for later use. This allows for the use of these powers to fade when yellow solar radiation is not available instead of immediate failure. Kancer can, as a conscious act, fire beams of intense heat at a target by looking at it. He can vary the heat and area affected. With skill and concentration, he can block out ambient sounds to focus on a specific source or frequency. This umbrella ability includes the following: Kancer can see well into most of the electromagnetic spectrum. He can see and identify radio and television signals as well as all other broadcast or transmitted frequencies. Using this ability, he can avoid detection by radar or satellite monitoring methods. This also allows him to see the aura generated by living thing. This is the ability to see something at a great distance, without violating the laws of physics. Though limited, the exact extent of the ability is undetermined. In function, it is similar to the zoom lens on a camera. This is the ability to see through any volume of matter except lead. Kancers can see things behind a solid, opaque object as if it were not there. He can focus this ability to "peel back" layers of an object, allowing hidden image or inner workings to be observed. The exact type of energy perceived - such as x-rays, cosmic rays, or some other energy invisible to normal humans - is unclear. This ability perceives an ambient energy source though, it does not involve the eye projecting a concentrated, possibly toxic, beam to be reflected back from objects. This is the ability to see extremely small objects and images down to the atomic level. Kancer can see with better acuity in darkness, and to a degree in total darkness. Kancer is able to manipulate graviton particles to defy the forces of gravity and achieve flight. This ranges from hovering to moving in any posture, in any direction. Due to the interaction of his dense molecular structure and supercharged bio-electric aura, Kancer is high-invulnerable to extreme energy forces. In addition, his extends this protection against toxins and diseases. Kancer is able to maintain continuous strenuous physical action for an indefinite period of time. This based on his body converting yellow solar radiation directly to energy, but is limited by physiological and psychological needs to eat, drink, and sleep. His strength is more an act of conscious will on energy fields than actual physical strength. It is this act of conscious will that enables him to perform physical feats that are beyond the mere application force, such as moving a mountain top without said rock crumbling under its own mass. Kancer is able to move at incredible speed by sheer force of will. This extends to his perceptions and allows for feats such as catching bullets in mid flight as well as covering vast distances in little or no time. Kancer is able to create hurricane force winds by exhaling air from his lungs. He can chill the air as it leaves his lungs to freeze targets. He can also reverse the process to pull large volumes of air or vapor into his lungs.

Chapter 7 : Leonard W. Konikiewicz (Author of Turin Shroud And Science)

A method for training children and adults to perceive visual information without using the eyes has been developed. A study was conducted to investigate the correlation of this perceptual capacity.

Chapter 8 : - NLM Catalog Result

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Chapter 9 : Bioelectrography, a new method for detecting cancer and monitoring body physiology | Open L

Konikiewicz L, Griff L Bioelectrography a new method for detecting cancer and monitoring body physiology, Leonard Associates Press, Harrisburg, Lee R Bioelectric vitality- exploring the science of human energy, China Healthways Institute,