

A Scientific Odyssey

Sergio Stagnaro was born in Sestri Levante (GE) December 7, 1931. Graduated in Medicine and Surgery November 16, 1956 at the University of Genoa in 1959, he specialized in Digestive System Diseases, Blood and Replacement at the University of Pavia. It is married with Marina Neri, his co-author, has two children, Luisa and Paolo, and he actually lives in the Ligurian town of Riva Trigoso. From 1955 until 1960 he worked at the Medical Clinic of the University of Genoa, directed by Prof. Lorenzo Antognetti, his teacher, starting research in the field of Medical Semiotics, which persists to this day. Since 1955, Stagnaro has reviewed and developed the ancient "art" of medical Auscultatory Percussion. In 1970 he gave rise to the Auscultatory Percussion Reflexes Diagnostics and exploring the non-linear dynamics of biological systems, whose behavior is physiologically deterministic chaotic, he founded the original *Biophysical Semeiotics*. In 1977 he published his first work, "Rivalutazione di un fondamentale metodo diagnostico", ("Reassessment of a fundamental diagnostic method"), Annals of the Ligurian Academy of Science and Letters. In 1978 he wrote the book "Nuovi Aspetti di Semeiotica Medica" ("New Aspects of Medical Semiotics"). In 2004, the book "Introduzione alla Semeiotica Biofisica. Il Terreno Oncologico" was published (Stagnaro *et al.*, 2004a). In the first part of the tome the original diagnostic method based on percussion and auscultation of viscera and organs is described in details, while the biophysical semeiotics diagnosis of Oncological Terrain is explained and detailed in the second part. The difficult bedside diagnosis of appendicitis, flu viruses and bacteria infections are also covered in this work, as well as the magnesium, iron, carnitine and CoQ10 deficiency syndromes. In the same year (2004), the monograph "*Melatonina nella prevenzione primaria del cancro/Melatonin in the primary prevention of cancer*", discusses the main mechanisms of action of the hormone in the treatment of Oncological Terrain highlighting its properties as histangio-protectors, the virtuous changes in the microcirculation that causes and its benefits in the prevention of other diseases, such as cardiovascular disease and diabetes, both for primary and pre-primary prevention, according to Manuel's Story (Stagnaro, 2004b). Also in 2004, the monograph "Le

Costituzioni Semeiotico Biofisiche" explores in details "the Biophysical Semeiotics Constitutions", the 'terrain' on which, in addition to cancer, may arise the most serious degenerative diseases, such as diabetic, dyslipidemic, arteriosclerotic, hypertensive, rheumatic, osteoporotic, arthritic, atherosclerotic and gouty constitutions (Stagnaro, 2004c). In 2005, the monograph "Single Patient Based Medicine" (SPBM) discusses the medicine based on the single individual patient, in order to recover the lost value of human medicine, according to the spirit of the old doctor-patient relationship, adjusting to the cultural situation enriched by this knowledge offered by Biophysical Semeiotics (Stagnaro, 2005a). The SPBM complete and thus supplements the merely statistical and technological Evidence Based Medicine. In 2006, the monograph "Teoria Patogenetica Unificata/Unified Pathogenetic Theory", highlights the unique character of the pathogenesis suggested by Stagnaro's Semeiotics, centered on the essential discovery of the Congenital Acidotic Enzyme-Metabolic Histangiopathy (CAEMH), functional mitochondrial cytopathy, *conditio sine qua non* of biophysical semeiotics constitutions described in the previous volume (Stagnaro, 2006). The missing link in the slow and gradual evolution from biophysical-semeiotic constitutions to really initial stages of the more frequent and severe human diseases is the "Reale Rischio Biofisico Semeiotico/Biophysical Semeiotics Real Risk" monograph published in 2009, that offers an introduction to 'Clinical Microangiology', a discipline of medicine also founded by the Ligurian scientist. Particularly, structural elements, such as the pathological 'Endoarterial Blocking Devices' (DEB), and functional behaviour, as the microvessels dynamics represented by microcirculatory vasomotility and vasomotion, are explored (Stagnaro, 2009).

In 2007, the method of the pioneer from Riva Trigoso took the current name of Quantum Biophysical Semeiotics (QBS), given the characteristic traits of quantum entanglement, from quantum physics, even in biological systems dynamics observed with this original clinical diagnosis at the bedside, thanks to a collaboration with Prof. Paolo Manzelli, former director of the Institute of Chemistry at the University of Florence.



The corroboration of the existence of a non-local realm, parallel to the local realm, in non-linear dynamics of biological systems, made possible by Lory's experiment (2007) allowed Stagnaro to explore the possibility of clinical diagnoses at a distance, laying the foundations of 'Psychokinetic Diagnostics' (2009). His most recent epoch-making discoveries in relation to the diagnosis at the bedside (the brain sensor bedside evaluation, BSBE) and the pre-primary prevention of more serious degenerative diseases (blue therapy and reversibility of genetic CAEMH, constitutions and QBS Inherited Real Risks), date back to 2011.

The results of his research, described in national, international and world medical congresses, are collected in several independent peer-reviews, both Italian and foreign. In the middle of 2013 his publications, several of which are indexed by Pub-Med Medline, have already exceeded 500 units.

www.semeioticabiofisica.it and www.sisbq.org are the official sites of Quantum Biophysical Semeiotics and the International Society of Quantum Biophysical Semeiotics (SISBQ), founded in 2010 to disseminate and promote the over fifty years work of the Ligurian pioneer. There is many other Italian and foreign websites that publish his work and comments. Sergio Stagnaro is Active Member of the New York Academy of Sciences since 1992 and honorary president of the SISBQ since 2010. His curriculum vitae is present in the most authoritative biographical volumes, such as Who's Who in the World (USA, New Providence) continuously from 1996, Dictionary of International Biographies (UK, Cambridge), 2000 Outstanding Scientists of The 21st Century (UK, Cambridge), 500 Greatest Geniuses of the 21st Century (American Bibliographical Institute, 2007).

Sergio Stagnaro: A Tireless Dreams Player

Sergio Stagnaro is the founder of Quantum Biophysical Semeiotics (QBS). QBS is like a river that encloses in unit its various sources and ends its course to the sea delta. Sources, whether they are rivers, streams, springs, metaphorically represent the different sciences that transdisciplinary draws: chemistry, physics, mathematics, biology, genetics, medicine, without neglecting the human

sciences such as philosophy, psychology, religion. The delta branches indicate the contribution of the original semiotics both too many applications and medical specialties, such as cardiology, oncology, diabetology, neurology, etc. and to those not directly related to health care. The sea is the ocean of humanity: the human being is the center, the first and last aim of its contribution.

When we think of a river we can refer to the course, flow, full extension, forms, its flora and fauna, its uses and related activities. So also with respect to the QBS we can refer to the method, diagnosis, physio-pathogenesis of the most severe diseases, the interpretation of clinical and experimental data, the therapeutic monitoring, etc. However, we take a step back asking why, how and where did this fruit of a monumental research over fifty years born.

There are some features that are common to the fate of so many souls that one day come to be celebrated as great artists, scientists, geniuses of mankind. Stagnaro itself suggests that one of them is to "love the pursuit of truth, with clear intellectual honesty", and then explain how it comes to formulating a scientific theory, worthy of the name (Creti, 2002):

"You can get there by degrees, but above all by learning with free eyes and an open mind to the world of life, in philosophical terms the '*Lebenswelt*'. I mean, you have to put in parentheses, suspending all judgments already expressed previously, old acquaintances, and, free from dogmatism, looking downcast, with new eyes, the course of everyday life. In my opinion, this is a matter of primary importance in scientific discovery. In the process of knowledge, and then in scientific theories, in fact, there is always a starting point, which represents the metaphysical moment, which has nothing to do with the reason: this is the inspiration or the light bulb that lights."

"The inspiration is aided, no doubt, by the cultural heritage that precedes it, and that one has so far, beyond a rational analysis. It's like the idea that you get in your mind - Rainer Maria Rilke would say - a dead leaf comes from, dancing slowly in the air, from an old yellowed garden, lost far into the sky. And this leaf, or idea, drops slowly, but falls and you have to grasp it at the right time. A cultural heritage certainly needs that makes you grab this inspiration is coming. To have a similar cultural heritage,



there is first of all a preparation, a tireless work, selfishness, full of sacrifice and hope, which lasts for decades and decades, a serious research, accurate, with moments of joy and disappointment, satisfaction and discouragement, because it needs to have a strong will and, of course, a "meter" (measure's system), a good method to reach great achievements."

After specializing in gastroenterology in 1960, the scientist leaves the University Hospital in Liguria and a secure hospital promising career to devote himself to the profession of physician of practice medicine and the secluded research in his native town. "Due to my character and love for the freedom of thought and action, I would not be allowed to work calmly and conduct scientific research, according to completely original taste, paths and strategies." This is his choice, incomprehensible to grasp from anybody, was likely the keystone.

"After earning the specialization in Pavia in 1959, my work increased to such an extent as to reduce gradually my frequency in Clinical Medicine, until it was interrupted in 1960, when I began to devote myself entirely to the profession, study and research in the field of physics semiotics. Original ideas slowly and gradually led me to found a new way to visit the patients, which is a new medical semiotics, biophysics semiotics, for which the simple use of the common stethoscope is required. With my constituent tenacity I was developing new working hypothesis and, day after day, I quietly tried to forge my theories at the time without even communicate it to others. I began; in fact, to publish scientific papers only after twenty years, in 1977, when in the Annals of the Ligurian Academy of Science and Letters my first manuscript appeared: "Rivalutazione di un fondamentale metodo diagnostic/Reassessment of a fundamental diagnostic method". During that time it was necessary, in my opinion, to submit my daring theories to strict and harsh criticism, according to the correct scientific progress."

"I was laying the foundations of a new physical semeiotics, without disclosing the first results through scientific publications, as I was perfectly aware that I was moving on a ground of signs, where, quoting G. Bateson," even the angels would not dare set foot. "Experiment and prudence befit the scientist who walks alone on unexplored paths and it lives like

Adventures of ideas never experienced by anyone before him. In other words, properly used the hypothetical-deductive method and transformed the bold hypothesis in empirical claims, that is, that you can compare it with reality, and thus corroborate or falsify, the scientist must continue patiently and silently, in the collection of the most data as possible."

"In 1955, majoring in medicine, I was attended the Medical Clinic by Genoa's University, directed by my future Master, Professor L. Antognetti. I began, then, my research in the field of physical semeiotics. I decided for my future to be 'first-line' medical doctor and, therefore, I rightly judged that the science of signs, which provided the only diagnostic tool to the physician at the bedside, was incomplete, insufficient, and inadequate and it needed to be improved in order to make refined clinical diagnoses. I was lucky in the choice of the method to recover and develop in new ways, as are all the knowledge that you can get are in the method, the one that are necessary in every time and place for their truth. "

"During the years spent in the clinic I used the essential opportunity to compare the results achieved with my clinical method – at that time it was just the 'Auscultatory Percussion' – with those collected from radiology and laboratory. The experience done at that time was truly valuable and it gave a lasting impression to my research. During the college years I began to lay the foundations of 'Auscultatory Percussion Reflex Diagnostics', which is the dynamic part of the method. For the benefit of the reader, just know that the first method of investigation (Auscultatory Percussion) show the contours of a viscera, such as the stomach, but with the latter one we can create reflexes, which change the dimensions of the various biological systems: a static survey (the first one) and, respectively, dynamic, much more rich in information the second one. Only since 1990, the new method achieved the original and revolutionary characteristics own of Biophysical Semeiotics."

In the second half of the fifties Stagnaro meditates on the relationship between the human body and the rest of nature.

"We must remember that the human body has similarities with other living structures that surround it. What structure connects the crab to the lobster



and the orchid to the primrose and all four with me? And me with you? And all six of us to the amoeba in one direction and the schizophrenic in another? These are questions of Gregory Bateson which are the first and last, I think, about the connections and similarities between man and nature, between mind and nature. "

"We can observe certain laws and rules in every life's activity that is outside of us, and we can find them equally inside of us. And this is the subtle tie that binds the individual to the whole world, the whole universe that we must never forget. Is it not true that in a grain of sand there are all the physical laws of the universe? Know how to see, this is important."

"The 'Auscultatory Percussion' is founded on the principle that the human body is the paradigm of a complex and wonderful system information, sent from side to side of the body, in physiological and especially pathological conditions, transmitted in the form of nerve in-puts, caused by stimuli of physical, chemical, vascular, biochemical and metabolic nature able to activate histangic or tissue receptors, beginning of reflex arcs ending in many viscera and organs. With the help of this method, born in the late eighteenth century, the physicians evaluate, both qualitatively and quantitatively, the changes in the target (trigger) organs of an individual who stays in a supine position and psycho-physically relaxed, according to well-defined ways of stimulation and auscultation"

"The 'Auscultatory Percussion' embodies the idea that reality, in physiology and pathology, but also his knowledge, is the relation between the single entities (physician's mind and senses and the patient's body) on the basis of information contained within the bodies themselves, exchanged between entities to form a structure that connects and penetrates everything." As Gregory Bateson says 'That wider knowledge', 'Glue that holds together the stars and anemones' is present inside both the one and others. The mind is a relational phenomenon within single entities and between different entities, present where there is information, 'difference that causes a difference', a stimulus that changes its receptor and generates in-puts that are transmitted along the afferent neuron related to the nervous centers and then to the efferent neuron to cause a difference in the way of being of the trigger (target) organ. Faced with this complexity and

structure dynamics to know, it is clear that the whole is far greater than the sum of its parts, beyond the typical approach still reductionist 'dividi et impera' of the simply deterministic current scientific method."

"The correct approach or cognitive model must necessarily be complex, molecular-biological, globally comprehensive and non-reductive, meaning not to exclude the simple and predictable one from the complexity, which is indeed included, but accepting the challenge that the word (problem) complexity implies and means: to prefer the path and not the final goal, but obviously ongoing waypoints can be reached in, which are at the same time goal-starting points for further adventures of ideas."

Left the hospital and returned to Riva Trigoso, the young Stagnaro is left with only the stethoscope in his hand and a universe yet to be discovered. He continues like this for years to practice in the exploration and appreciation of the ancient art of 'Auscultatory Percussion', static method of auscultation of individual organs, but adding a key element, namely the desire to observe the biological systems dynamics, finally realized in 1970 and baptized the 'Auscultatory Percussion Reflex Diagnostics'. Dynamics is due to the fact that you can modify these biological systems through reflexes causing and by means of 'Auscultatory Percussion' you can see the changes.

In 'Auscultatory Percussion' there are 3 three successive moments equally important: the production (by direct percussion of delicate intensity above the skin), the transmission (through tissues of different acoustic impedance) and auscultation of sound waves (with the help of the stethoscope).

The 'Auscultatory Percussion Reflex Diagnostics' is based on data provided by 'Auscultatory Percussion' and in particular on the reflexes, both physiologically and primarily pathological. These are skin, muscle and viscera-visceral reflexes caused due to manual stimulation of interest trigger-point that offer quantitative and qualitative parameters of fundamental diagnostic value for the evaluation.

The example provided below can help to a better understanding of the maneuver. The part of the viscera more appropriate and easier to delimit for an 'Auscultatory



Percussion' is the greater curvature of stomach. Through QBS method we can evoke reflexes by striking the spleen, heart, liver, bile duct, blind, ureters, but the stomach has always had a special fascination for Stagnaro.

"In the grip of a strong emotion an individual complains of stomach pains. Between each part of our body, which I have always considered as the best among the existing cybernetic structure that may have been created by the Good God, there must be a correlation, a structure made of reflexes transmitted by the nervous system and, perhaps, "channels energy "or more, at the time little known, which originated in the most different points from each other, they end up, in technical terms, they "close " in the stomach."

These safe events are explained by the fact that the stomach is regulated by two gastric nerve plexuses, upper and lower, in their turn dependent on the solar plexus or celiac. Solar, you see, because it is in the center of the 'universe' man. It was then discovered, in the sixties, the gastric *aspecific* reflex, the changes that occur in the stomach, spontaneously in appendicitis, renal colic, hepatic colic, but also caused by the physicians, iatrogenic, that is to say, if I visit an individual in a point with a pain and inflammation and I do a small army pressure on that point, then I increase the nervous input which creates a reflex that affects the stomach. In conclusion, the physicians who knows well these reflexes revealed by form and volume modification of the stomach, the center of our body, are medical doctors who already know the 50% of biophysical semiotics (for the great diagnostic informative content provided by gastric reflexes)."

If we want to investigate for example the state of health of the heart, using the 'Auscultatory Percussion Reflex Diagnostics' of the stomach we proceed as follows. The physician does a gentle percussion, with the middle finger hammer, of the lower edge of large gastric curve, accompanying by the pressure, with a finger of the other hand, anywhere on the precordium (skin projection area of the heart muscle). The intensity of the pressure on the precordium is well defined by the study cases and it depends on the nature of the investigation: it can be light, medium or intense. In this way we have made an interaction between two biological systems, the cardiocirculatory and the gastric one, and

the cardio gastric *aspecific* reflex is produced by this interaction. Similarly, instead of the stomach, in case of ureter's percussion, we would have a cardio ureteral *aspecific* reflex.

Quantum Biophysical Semiotics is made fascinating by the fact that any class of reflexes (i.e., gastric reflexes) related to biological systems of a subject is qualitative consistent with each other (i.e., ureteral reflexes) of the same patient, so that the quantitative information offered by the interaction between two systems (i.e., cardio-gastric) are mathematically dual to each other (i.e., cardio-ureteral), i.e., they qualitatively corroborate each other. This is what Stagnaro use to call "the internal and external consistency of his creature," due to the fact that many other QBS signs, of varying levels of elegance, sophistication and difficulty, converge towards a unique diagnostic response.

Remaining in the example, there are therefore two (or more) biological systems that communicate each other. This communication takes place via a stream of 'energy-matter-information' generating fluctuations: the input due to the creation of sound waves generates the oscillating movements of the stomach that after a certain time (called latency time) begins to dilate (reflex's intensity) and then return to basal position, or even to contract (tonic gastric contraction), for a few seconds (reflex duration).

"The stomach is the most important organ for knowledge purpose and for the application of biophysical semeiotics. However, the ureters are the possibility that the Good God gives man to study microvessels of any biological system so getting information about the structure and function of the biological system itself".

The study of the cardio ureteral reflex is extremely important because it allows observing the function and structure of the microcirculation and, in the case, of coronary microvessels.

The non-linear dynamics of microcirculatory oscillations are well known. These are unpredictable, and never before measured. One of the major findings of Stagnaro is that he is able to measure microvessels fluctuations, thanks to its method mentioned above, and to discover that as well as they have non-linear dynamics, they are physiologically chaotic-deterministic, while



their degree of complexity decreases tending to the pathology and the chronicity (periodic and fixed point equilibrium). Stagnaro can measure the microvessel dynamics, to quantify them and give them a qualitative informative meaning by detecting them in a well-defined space and time. What was the inspiration that led him to find a way to quantitatively measure the oscillations of the microcirculation?

"The main difficulty was to be able to study the microvessels by mean of a clinical method, i.e. using just a simple stethoscope. Microvessels are indeed very small vessel with a diameter of less than one hundred micron, in any tissue. The difficulty was not due to the fact that the vessels are very small, they are microvessels, but it was in the physiological behavior of these small vessels, of which only some are working at a given time, in a moment, when one microvessel is open to the blood and one is closed, while subsequently the second opens and the first closes, in a series, then, of irregular dynamics that seem to escape to a clinical knowledge. And here I remember a happy event happened in the late eighties, while I was in Cremona one afternoon."

"At the center of the main Cremona's square, in front of its beautiful cathedral, Anthony Quinn was playing his part in a movie. On this square, covered with sand, as it was in the time of Stradivari, this was the title of the film that was shooting, people moved in all directions and I had a happy inspiration: 'people walking in all directions!' However, sometimes, some of them stood still, while others moved, and then the first moved and the second stopped. Those people remind me, or seemed to me, the red blood cells that move in the capillaries, the nutritional microvessels.

Except that, at some point the sound of trumpets suddenly announced the arrival of knights in the pay of the master of Cremona and all these "red blood cell" headed in the same direction, i.e. towards the Cathedral, to find protection, and with the same speed. In other words, the sound of the trumpet, i.e., stimulus, suggested the idea of the origin of the laser light, where many irregular dynamics with parameters different from each other under a stimulus take a monophasic behavior, that is, all these waves behave the same way. Happy for the sudden inspiration, I said: - ' If I can find a similar stimulation for these microvessels, in that moment I can study them

in any tissue.' In that moment was ideally born the 'biophysical semeiotics clinical microangiology'. And so it practically happened. This discovery, in my opinion, it was a revolution certainly important in medicine, because it has allowed us to study the microvessels of any biological system, for the first time, with a clinical method, allowing physicians to evaluate them locally, in a "quantitative" way, and study them both from a functional and structural point of view."

"These reflexes, so evoked, allowed me to investigate the microcirculation in any part of the body, a fact of great importance. In fact, among the many reflexes, those ureteral or segmental dilatation of the ureters, play a major role. The microcirculatory research was made possible by the discovery, truly epochal, that in the ureter, the tubular viscera which carries urine from the kidney to the bladder, there are in practice three important segments from the point of view of the Auscultatory Percussion Reflex Diagnostics': the upper, middle and lower one. They provide information with their movements or reflexes on what happens in well-defined components of the microcirculation, studied at that precise moment. When I stimulate one of these segments, for example by digital pressure, applied over the precordial region, the myocardium or, more accurately speaking, the coronary arteries, the cardio-ureteral reflexes inform me about the single components of the local microcirculation. So, when I have reflexes through which I can explore all microcirculation's structures of a biological system and not just the microcirculation globally understood, I can evaluate function and structure not only of the microcirculation as a whole, but also of its single parties."

"Why is it important to study the microcirculation? What I say about the coronary arteries, that is, of the heart, is applicable to any other biological system. The understanding of my thought is facilitates by the following analogy. We can study the ancient village of Trigoso by observing what it goes on inside the houses, in anatomical terms, the parenchyma tissue, i.e., the myocardium in our case, through a direct vision, that is penetrating in homes, entering with force: echo, CT, MRI, blood tests, etc. However, we can study the behavior of Trigoso's inhabitants, through another method, bloodless and equally refined. I listen to TV broadcasts followed in homes; I check the



consumption of electricity, water, wastewater, how many newspapers go in the alleys of Trigoso, how many clothes, etc. From all these data, collected in the narrow streets of the village, I can go back to what happens inside the homes of Trigoso, that is how Trigoso's citizens lives, how they behave, what they do. This is like analogy.

I cannot see, at the bedside, the muscle cells of a myocardium that contract, decontract, contract, systole-diastole, but I can, however, get exact and accurate information on what is happening in local microvessels and in the single segments of the microvessels. In other words, we can look at the structure and function of a parenchyma, of a tissue, through the study of the structure and function of its microvessels."

It is well known that coronary microvessels dynamics are independent of heart's systole and diastole. This means that patients considered healthy because of physiological echocardiogram (ECG) or heart rate variability (HRV) diagrams at rest and under stress, however, they may have the structure and function of the microcirculation physiologically altered. According to QBS studies and Stagnaro's observations, imperfections in the microcirculation can be observed from birth due to genetic alterations in both DNAs, especially in mitochondrial DNA. According to the Angiobiopathy theory, microcirculation, parenchyma and genome are intimately related, so that microcirculatory dynamics observation provides qualitatively important information on its parenchyma, and everything has its origin at the genomic level.

One of the first Stagnaro's discoveries was fundamental, i.e. the Congenital Acidotic Enzyme Metabolic Histangiopathy (CAEMH), a functional mitochondrial cytopathy due precisely to mit-DNA alteration, almost always inherited from the mother's side. The CAEMH, present in 98% of people from birth, is like the trunk of a tree that branches out into several large branches, i.e., the 'biophysical-semeiotic constitutions', genetic predispositions to degenerative diseases such as diabetes, lithiasis, osteoporosis, cancer, gout, hypertension, dyslipidemia, atherosclerosis, osteoarthritis and so on.

In fact, the genetic alteration reflects, from birth, in the behavior of biological systems. For this reason, the observation of

microcirculatory dynamics, using the QBS clinical method, at the bedside, allow to identify in any subject the QBS constitutions since the first cry. Then, over time, the biological alteration at the microcirculatory level may worsen, so that QBS constitutions can join the real risk of related disease, being always the pre-metabolic, pre-clinical stages of the potential pathology that is not yet effective and clinically undetectable with usual diagnostics instrumentation (i.e., Lab and images). In microvessels, functionally and structurally altered (presence of endoarteriolar blocking devices (EBDs), contractile microstructures newly formed, pathological, regulating blood flow), there is a microcirculatory remodeling, so that vasomotility and vasomotion impairments are continuously compensated, providing a physiological blood flow incoming and outgoing, so that the macro-structures are not affected by the micro-world (microcirculation) suffering. All QBS signs and other assessments at the bedside, such as endothelium and glycocalyx evaluation, osteocalcin and peak of insulin secretion test, are consistent each other and corroborate a refined QBS diagnosis.

The information obtained by the method of the Ligurian scientist can be interpreted from several points of view: biochemical, biophysical, bio-quantum, and molecular-biological, mathematical, genetic one.

Placing the magnifying glass on mitochondria, we are interested to detect the level of mitochondrial oxygenation, ATP, the presence or absence of tissue or histangic acidosis, the behavior of iron-sulfur complex in electrons transport chain, the hydrogen ions flux (H⁺).

From the perspective of the mathematician, the 'Auscultatory Percussion Reflex Diagnostics', investigating biological systems dynamics, calls the theory of dissipative systems far from equilibrium introduced by the Nobel Prize Ilya Prigogine. These systems have non-linear dynamics that in some cases create highly ordered configurations, although complex, typical of the strange attractors of deterministic chaos, geometrically reflected in fractal structures. Not surprisingly, Stagnaro's inspiration got in Cremona brings together a trumpet with the consistent and pahse behavior of a laser beam, a typical example of a dissipative system. The



pioneer from Riva Trigoso sees himself universal 'divine' numbers, ubiquitous in nature, such as the golden section and the Feigenbaum constant, typical marker of deterministic chaos, in the collected physiological semeiotics data.

The dissipative systems are open systems, there is in them a flow of energy-matter information and positive entropy if they are physiologically healthy, i.e., in the presence of deterministic chaos, measured by the fractal dimension of the microcirculatory oscillations.

When there is tendency to pathology, or overt disease, the fractal dimension falls below a certain threshold, the equilibrium type 'chaotic attractor' disappears and simpler equilibrium are observed as those periodic or even fixed point in case of chronicity.

In 2007 Stagnaro discovers the existence of non-local realm (parallel to the local one) and quantum entanglement in biological systems, thanks to Lory's experiment. In summary, in the case of digital pressure on a parotid or a sublingual salivary gland of a twin sister, a microcirculatory activation type I, associated, is observed "simultaneously" in pancreas of the other twin sister, regardless of the distance that separates them: meters or kilometers. In this experiment the 'Auscultatory Percussion Reflex Diagnostics' is spatially divided into two: the 'Auscultatory Percussion' (in this case on the pancreas) is made in a subject, while the digital pressure on the skin projections of the target organ (trigger-points) is done simultaneously in another person, in some way connected with the first one, hundreds of miles away.

The above mentioned discovery allowed the Ligurian scientist to find satisfactory answers to questions about biological systems behavior hitherto unanswered or not satisfactory. He took on the confirmation of the real existence of a subtle catalytic energy, associated with the production of ATP in mitochondria, which according to the fields of research has already been identified theoretically in other disciplines such as physics by various names: energy information, zero point field, quantum potential. This awareness favored the discovery of new biophysical semeiotics reflexes, simultaneous and synchronous, bio-quantum entanglement signs obtained by

pressing hard on the trigger points of interest. The intense pressure almost completely obstructs the flow of energy-matter-information, thus forming a closed system of conservative type, instead of opened and dissipative as for example in cardio-gastric aspecific reflex previously illustrated, when the pressure on the precordium was of medium intensity.

The mathematics, which is not an opinion, teaches us that in open dynamic systems, dissipative, there are non-linear oscillations with physiologically equilibrium of chaotic deterministic type (see also Goldberger) in case of positive entropy. This is biologically measured from Stagnaro in space-time calculating the latency time, duration and intensity of the reflexes, offering a wide range of information depending on the progress of the disease risk or severity of the overt pathology, although even silent or asymptomatic. On the contrary, in a closed dynamic system, conservative, the entropy is zero, there is no uncertainty and unpredictability about the future, there cannot be chaotic equilibrium, so that the only observable equilibrium are those of periodic or fixed point type. In the latter case, therefore, it is expected that the reflex evoked by Stagnaro is poor information: yes / no, on / off, there is the reflex / there is not the reflex simultaneously. And this is what actually happens.

If the reflex is simultaneous to the intense pressure on the trigger points of interest, then there is a relative QBS Constitution (e.g, diabetes, cancer, hypertensive, arteriosclerotic constitution), otherwise there is not. In this case, however, the transmission of information does not follow the usual space-time channels (the flow of energy-matter-information is almost blocked by the intense pressure), so one wonders how the transmission of information occurs (because it is not possible in the space-time commonly understood).

The most credible hypothesis are those relating to a DNA biologically acting as an antenna by resonance (see Manzelli), or that the DNA, or rather the DNAs (both nuclear and mitochondrial) are to be seen as three-dimensional function-structures in continuous rotation and able to receive, store, process and transmit information in the form of waves. This is the theoretical hypothesis – wave's



genomics - done by the physicists Peter Gariaev, confirmed by numerous experimental evidences, then corroborated by Stagnaro. Only if we admit the existence of a non-local reality, an implicate order and a quantum potential underlying and parallel to the classical potential of an explicate order, as explained by David Bohm, is possible to give a plausible interpretation to biological quantum phenomena as observed by the Ligurian pioneer, in the present state of science and knowledge. Further confirmation of the correlation between non-local realm, mitochondrial oxygenation and quantum biophysics is given by the same Lory's experiment, mentioned above, which fails under the apnea test.

In 2007, the discovery of quantum entanglement in biology also contributes significantly to a theoretical-practical transdisciplinary approach where the various pieces of a puzzle are in harmony with each other in an ever more consistent way: catalytic processes and autopoiesis, dissipative systems and self-organization, deterministic chaos and bio-quantum entanglement. Moreover, the discovery of the simultaneous and parallel presence of local and non-local realm in biological systems is consistent with the causal interpretation of quantum physics formalized by David Bohm, who already saw the subtle relationship and interdependence between quantum physics and chaos theory, now made explicit in biology from the clinical and experimental evidence of Stagnaro's approach that takes the name from this moment in time of Quantum Biophysical Semeiotics.

During his over fifty years of research, Sergio Stagnaro dedicated his time not only to semeiotics diagnosis, but he search for the appropriate solutions for primary prevention, useful to make 'residual' the real risk of disease. This basically means to choose a fit and healthy lifestyle and proper treatments to improve mitochondrial respiration and tissue oxygenation, so that, while remaining the genetic alteration and the consequent 'terrain' on which the disease may occur, its risk become really minimal thanks to the continuous measures of 'energization' and cellular and tissue protection which limit, for example, tissue acidosis regressing or arresting the degenerative pre-metabolic pre-clinical process.

The founder of biophysical semeiotics asked in 2004 if it were possible to heal the first QBS constitution discovered by him, that the Oncological Terrain (OT). His conjecture was to consider the TO reversible for future generations. This prophecy proved to be true, being materialized in 2010 for the first time with Manuel's story, for the new offspring (pre-primary prevention), and in 2011, with the discovery of a class of treatments called 'blue therapy' for living generations.

These big forward steps in the pre-primary and primary prevention of more serious degenerative diseases of mitochondrial nature have been made possible by an elaborate path of theoretical and practical research, accompanied by significant clinical and experimental evidence.

The theoretical contributions offered by geneticists such as Andras Pellionisz about pattern and fractal structure of the genome, and in particular the mitochondrial genome, have been crucial. Pellionisz formulated the Principle of Recursion Function Genome Fractal (PRFGF), suppressing the 'central dogma' of genetics and the idea of junk DNA (junk DNA), so that he theoretically allowed the mutual feedback between DNA and protein. QBS experimental evidences, observing the mutual communication and mutual exchange of information between DNA and downstream structures (proteins, cells, mitochondria, glycocalyx, etc.), corroborated in clinical trials the legitimacy of PRFGF, key for understanding the genetic reversibility of CAEMH and QBS constitutions, finally made possible by 'blue therapy'. The genetic reversibility is possible only if there is a feedback communication between downstream structures and upstream mit-genome to allow a genetic restructuring of mit-DNA, making physiological its fractal dimension, measure of chaotic deterministic microcirculatory fluctuations.

Blue therapy is defined as the class of preventive therapies able to establish a virtuous communication feedback with the two DNAs (n-DNA and mit-DNA) completely curing the genetic alteration of mit-DNA. The reversion is made evident by the disappearance of CAEMH and QBS constitutions, present before the 'blue' treatment. So Stagnaro explains his recent extraordinary discovery:



"On April 12, 2011 I started to experience a Russian 'quantum' device that works with millimeter waves - Extremely High Frequencies (EHF) - in a range between 30 and 70 Giga Hertz (the same in which our cells vibrate) in bio-resonance and body resonance recording (BRR) with modulation frequency of 9 Hz (the same in which the synthesis of proteins with ribosomes occurs). Wonder mixed with astonishment was what I felt - now advanced in years, and after more than half a century of uninterrupted important discoveries - after seeing that one application of this product of nanotechnology (just 10 minutes of radiations) causes the "disappearance" of Oncological Terrain and CAEMH, which is fully realized - fact of extreme interest - after nine months of right *Planum Temporale* and PNEI complex system neuronal centers restructuring. I considered immediately of considerable scientific value this event which amazed me deeply, even if am accustomed since 55 years to such epochal moments in the history of knowledge!"

In 2011, the pioneer from Riva Trigoso discovered, in addition to quantum therapy with customized frequencies, a new blue therapy natural treatment, that is, the sulphurous thermal water based on H₂S. Currently studying are exploring properties and structure of these waters in order to understand in detail their feedback and action's mechanisms at the genetic level. Further, ongoing experiments are verifying action's mechanisms of thermal water containing sodium bicarbonate, and with the help of ancient teachings of acupuncture, we are investigating the possibility of new treatments to include in the class of 'blue therapy.'

In 2011, Stagnaro engages new experiments about the memory of water that confirm e go beyond Benveniste discover, almost simultaneously with Montagnier researches, which confirms the insights of the French scientist with a study on DNA sequencing in a water solution. According with Stagnaro's experimental evidences, water is not only able to store, but it can actually receive, process and transmit radiation, i.e., wave-information-frequencies.

With the aid of QBS theory and method, Stagnaro has demonstrated experimentally and clinically, for the first time,

the existence of the water memory-information. This clinical evidence has suggested further experiments that have confirmed the possibility of treating even the Chronic Fatigue Syndrome. The water memory-information has been exploited using water energized by a quantum device that can capture drugs' frequencies to then re-transmit it in the water, opening new perspectives in the use of drugs, limiting their dosages and side effects with the same therapeutic results. Furthermore, QBS glycolyx evaluation plays a central role in order to demonstrate the water memory-information. QBS thus introduces a new principle: the principle of water memory-information.

In order to test the hypothesis of memory- information feedback between water and music, following QBS evaluations and measurements, Stagnaro shows that music actually energizes the water, and that the water memory-information really exists. In addition, this experiment opens up new perspectives on music therapy and its other applications such as for infantile autism, mental retardation, disability, Alzheimer's disease and other brain disorders. Further, this experimental evidence gives new insights on the interpretation of waking from a coma by listening to music and songs.

Also in 2011, Stagnaro has discovered and identified an extremely sensitive area from the point of view of micro-circulatory dynamics in the pre-frontal region of the brain, whose behavior can give information about the general state of the organism. The so called brain's sensor acts as the light engine of any modern vehicle, and it 'lights' whenever there is a problem in the human body, an illness, even silent, imminent, or asymptomatic in its early clinical phases, leading to activation of one or more PNEI system centers, and of the limbic and pre-frontal regions. QBS provides methods and tools for the brain's sensor evaluation at the bedside (BSBE - Brain Sensor Bedside Evaluation). The BSBE allows checking at any time, if the light of any subject, from birth, is on or off. In particular, the BSBE is done by analyzing microvascular oscillations dynamics, according to the teachings of Clinical Microangiology, and in particular by checking whether there is, or less, a micro-circulatory activation.



The advantages of BSBE are concrete and visible. It is enough to think that most of degenerative diseases in the first place are still asymptomatic; for example, cancer, type 2 diabetes mellitus, ischemic heart disease, brain disorders such as Alzheimer's and Parkinson's, osteoporosis, are often diagnosed too late for an effective therapy. All QBS constitutions and related inherited real risks, pre-clinical stages of the most serious degenerative diseases, once diagnosed, they can be healed by following appropriate treatment of primary prevention and pre-primary education such above mentioned (i.e., blue therapy).

The QBS method can be used both for diagnostic purposes and for therapeutic monitoring: by observing and monitoring the microcirculatory activity of any examined subject we can verify the effectiveness or less of any treatment, direct or remote. Thanks to this particular characteristic, Stagnaro has seen in some of his recent experiments the positive biological effects at the level of microcirculatory activation, generated for example by the prayer with the heart or positive thoughts, even at considerable distances from the beneficiary.

His findings on quantum entanglement and non-local realm in biology, have allowed the Ligurian scientist to venture into other fields at the boundary between physics and metaphysics, between visible and invisible, where the convenient concept of three-dimensional space-time is put seriously in question. On the frontiers of science Stagnaro then throws the bases of psychokinetic diagnostics both regressed and progressed, dancing back and forth on the arrow of time, in striking and fascinating areas never explored before by other researchers, where science has to squeeze in a bear hug with love and faith, essential precondition to produce that necessary empathy to keep alive that thin thread - plot that unites all of us in the unity of all, already seen by Aspect in his famous experiment at the sub-quantum level, and by the same Ligurian scientist in its experiment with twins above mentioned: Love is All, Love Unites Everything.

Science is at the service of man, and not man at the service of science. This relationship between man and medicine, and in particular between medical doctor and patient, should be emphasized in the light of

one of the many contributions given by Dr. Sergio.

This tribute to Stagnaro is deliberately centered in its approach, which is the centerpiece of his gift bequeathed to all humanity. In his method, and in particular how it is used in practice, there is the essence of *Single Patient Based Medicine*, already looking at the stethoscope's use. He reassesses the human relationship between medical doctor and patient, lost over the past decades due to, among other, the full domain of Evidenced Based Medicine and laboratory and imaging diagnostics, from the first approach of the visit. In fact, the patient helps the physician taking the drum of the stethoscope, for example, on skin projection of his stomach: this is a small but psychologically important aspect to be considered.

QBS method is absolutely non-invasive, medicine of Venus as defined by Stagnaro in contrast with the invasive medicine of Mars commonly in use.

"We need to reflect on the current understanding of medicine and another possible '*Weltanschauung*' (*world view*), that I suggest constantly for over half a century. These are two different conceptions of Medicine, that of 'invasion' and that of 'feel', that of dominance and that of love, speaking and listening, always convinced that we must first listen to the patient and after doing the auscultation! According to the Medicine of Venus, it is right and proper to collect the history of the patients with the ancient precision and then visit them carefully, as we learn from QBS that includes the traditional one, from whose womb its origin was taken. Finally, we proceed to request laboratory analysis and sophisticated imaging semiotics, so proceeding in a personalized and efficient way."

In line with this clear warning of the founder of the quantum biophysical semeiotics, there is a tribute dedicated to him by the philosopher Luca Obertello, son of Alfredo, his great friend and teacher: "Biophysical Semeiotics is not the unripe fruit of an impromptu intuition, but the long-lasting development of the Renaissance motto 'Try and try again'(endorsed by the Accademia of Cimento): a youthful passion that sparked a lifetime of research, a methodology open to every aspect of biological and spiritual reality. Foundation of this is the realization - now



accessible to all - that modern medicine has been increasingly entrusted to technology since a long time, because of the self-persuasion that the biological dimension is identical to the physical one - a two dimension material physics - to plumb with the same tools used for material physics. This evolution or better involution brought in two unfortunate consequences: the gradual estrangement of the physician from the patient, not anymore directly known, but through the 'laboratory' filter, and the reduction of the physician-patient relationship to a mere economical one: the patient as a numeric entity, just a source of income."

The human relationship with the patient goes back to Hippocrates, and it is well symbolized by the stethoscope in modern times, putting the doctor in direct contact with the biological realm. The auscultation via the stethoscope - preferred aid by all clinicians in pre-technologic era - is the gateway to the highly complex fascinating world of biological reality. The scientific systematic use of the stethoscope allows researcher to progressively enter into another dimension than the physical-material one, in-weaved of internal relations that show mutual implication of organ with organ, subtle and simultaneous changes, vital balance that regulates itself under immanent laws linked to the universal becoming: a chaotic forest, seemingly inextricable, in which there is an incomprehensible order / disorder according to the categories of "classic" materialist physics. Here, the systematic research conducted with firm determination by Dr. Stagnaro in his whole life, led him by hand to anticipate on the experimental plan and meet on a theoretical level the so-called quantum physics, with which many people now rinse their mouth without understanding even distantly its fundamentals, perfectly suited to the investigation of the biological dimension: an epochal revolution which is fully disclosed as we move from the slogans of practitioners to a real understanding of the principles and scope of this "new science" so singularly fitting with the Renaissance insights.

That is why the Quantum Biophysical Semeiotics presents itself as the activator of the "New Renaissance of Medicine", and not only of this. Stagnaro's biophysical semeiotic method forcefully maintains the centrality of the relationship between people in health "care," which is (according to its etymology)

active attention to the other person, responding to the Gospel precept to love our neighbor like ourselves.

In connection with this fundamental "humanistic" aspect, Biophysical Semeiotics envisages the uniqueness of the person that so easily gets lost in the impersonality of instrumental investigations. Dr Stagnaro has always strongly affirmed that Medicine is based on the patient's personal uniqueness, or if you prefer unique personality (even in belonging to humanity in general). It is not based on an abstract algorithm valid for everybody and for nobody. Biophysical Semeiotics is an extremely flexible tool adherent to the single patient, because it looks at the patients so to say as from their inside, not from their outside, intercepting them in their living reality, which is always unique in structure, spatiotemporal modalities and their own evolution. The adequacy of the method of scientific investigation to the internal constitution of the biological reality makes it essential to avoid, in the first place, the danger to "read" this reality through the filter of a preconceived mental "system", to which naturally ensues a sense of superiority and sufficiency typical of many modern "scientific" positions. Biophysical Semeiotics is humble and dispassionate, attentive to the inner voice of reality rather than to human excogitations. It is therefore open to all possible future developments and openings. The reality is inexhaustible and infinitely generous with new horizons; to recognize this fact is wisdom, as well as genuine science."

Understanding of biological systems through the study of their interactions, dynamics and complexity gives a significant contribution to science in the way that always follows in the search for understanding of the mystery of life, creation and creator. It is a remarkable work for the fact that a cross-disciplinary theoretical approach is accompanied by a practical, tangible, repeatable confirmation according to Galileo's rigorous scientific method. There are objective data, saved human life! It is not a smoky theory, as there are so many around the world those without possibility of falsification are simply assumptions, opinions or cheap "philosophy". Stagnaro sees in the complexity, only imagined by Poincaré, the unity of all sciences and he builds bridges between ancient and modern sciences, western and eastern medicine, physics and metaphysics, visible and



invisible, microworlds and macroworlds, science and faith, so dispelling radical positions as reductionism, mechanism, atomism, and dual dichotomies such as cause - effect, creationism - evolution, object - subject, causality - causality, determinism - probability.

Stagnaro invites everyone to dialogue, to come out of our shells and confined gardens, to that creative and constructive dialogue, where all judgments and pre-concepts are suspended, so dear to David Bohm.

"When two individuals converse, if there is no will to communicate, to understand each other, then there is no chance to understand each other. In Greek-dawning time, this this provision of awareness was called rhetoric, in a positive sense, as in Plato. When, however, there is a desire to understand each other, we understand, and when we have, always to return to Plato, curiosity, and then we begin to philosophize, activity of thought that if it was paid to the nature was defined as natural philosophy until the time of Shakespeare. Today we talk about science. It takes curiosity to learn and it takes willingness to dialogue because others can learn."

In the humble search for truth he reminds us, as Adorno says in his essay on Walter Benjamin, "Everything is the Non-Truth", but simply and hopefully with the intent of achieving a renewed vision of the world and man at its center.

"In this persevering research that has spanned more than half a century, not without a sense of gratitude to the people who were his teachers and landmarks. The memory is our measure and our happiness. In my mind there is Prof. Alessandro Antognetti, clinician, scientist and humanist, my Master, to whom I owe the love of medicine, which has been preserved, always with me during forty-four years of profession as a medical doctor of General Medicine in my town. It is an immediate and lasting love, which is located in the soul that from this love is pushed to the spiritual exercises, which raise a bridge between the finite and the infinite, between nature and grace. A famous song says: *"It's lucky for those who have had one teacher who did see the sunrise in the sunset."*

"As far as the dear friend Prof. Alfredo Obertello, humanist, scholar of global

significance of English literature of the Elizabethan period, I remember him, with the words of Theodor W. Adorno, full of admiration for Walter Benjamin: 'Whoever entered into knowledge with him he felt like a child who can see, through the cracks of the closed door, the light of the Christmas tree. But the light, as the light of reason, was promising at the same time the truth itself, not its impotent reflection'."

As Dr. Stagnaro is seen from medical colleagues who are learning his method, as well as non-medical people, as journalists and writers who specialize in medicine? Here are some testimonials.

"Sergio is a genius man. Using his common sense, he discovered the simple correlations (of course everything looks easy with hindsight. Since the discovery of the wheel!) between, what I call, the breathing organs" and the various diseases of the human body, that create disturbances, easily measurable in a never invasive way, with the simple aid of a stethoscope and the percussion, medical act almost forgotten, along with others!"

Nicola Lo Conte, ophthalmologist

"Dr. Stagnaro with its original diagnostic method of Quantum Biophysical Semeiotics (QBS) has successfully achieved the tremendous task of building bridges between quantum mechanics, chaos theory, and biochemistry and medical semeiotics. QBS is an innovative and highly significant contributor to clinical medicine. Moreover, in reference to the difficult and challenging context of medical diagnosis, QBS offers a substantial contributor in term of diagnostic accuracy, thus, offering a timely treatment (or even prevention) especially in dealing with patients whose present condition cannot be fully explained or validated by other clinical tests and investigations currently available."

Marco Marchionni, neurosurgeon

"By practicing (QBS method) since few months, it seems possible to learn, but with such a lot of practice and verification. Having approached traditional disciplines such as homeopathy and acupuncture I had encountered the concept of "constitution" or "diathesis" but it was difficult not to slip in philosophy. The QBS allows you to be much more concrete and possibly to corroborate some of the findings of the past. My work



with musculoskeletal problems in posture and holistic point of view always involves a multidisciplinary approach, today evidenced by the signs of QBS constitutions such as osteoporotic, rheumatic, uricemic, etc. By this way, the classification of the patient is more complete. I have a wife and three children with Oncological Terrain. Imagine the satisfaction as a man, father and doctor to be able to neutralize these risks. And if these "neutralization" will benefit some patients it will be worth it to practice so much to learn as much as possible. Sergio Stagnaro is an Italian "great man of science" who teaches in a so evident way not only using the intellect but also with the heart."

Davide Mastroianni, osteopathic and physician

"Dr. Sergio Stagnaro is just a humble avant-garde medical doctor with an open mind to the real research. He was and he is practical witness of how to do medicine in the service of the patient. His research, now proven by decades of practice on patients, has shown that modern medicine university is late decades of years compared to what this worthy physician has practiced and demonstrated. ALL doctors should learn from him how to make diagnosis, simple but precise, for EVERY disease and this is done just with a stethoscope that all doctors have on the neck, without knowing how fully utilize it in the service of the patient."

Gian Paolo Vanoli, investigative journalist specializing in healthcare

"It was by choosing an unconventional path of research that I have had the chance to meet Sergio Stagnaro. During the last few decades we have been grown accustomed to thinking by using schemes that allowed the "maneuverers" (few or many doesn't matter) to influence our conscience for their own personal gain. Whoever chooses not to follow such schemes, due to them not being tailored for everyone and for their own limits, is forced to take a look around: only by keeping an open mind, however, can someone aspire to meet someone like Sergio Stagnaro. For me, Sergio is one of the Earth's guardians: a man unbeknownst to many, but who has given much to the World. Someone capable of still giving much to the World in order to contrast the cultural arrest favored by Multinationals and ruthless individuals. One can get in touch with Sergio and still not understand the strength and charisma released by his cyclopic culture, expressed with humbleness and simplicity, or be

completely overwhelmed by it. Should someone decide, like I did, to keep knowing him, almost immediately they will realize how extraordinary the man is; his rigor (applied mostly to himself) and indulgence towards foolish and selfish individuals elevate his moral stature to levels that are seldom encountered in today's society. Regardless of his age he is capable of tackling an impressive amount of daily work, to which he adds a tireless wish to explore and a curiosity that leads him to experiment in any field that could result in something beneficial to humanity. Sergio Stagnaro has a remarkable capability which allows him to provide an exact diagnosis by using his touch, his eyes and a few simple questions. It is clear to anyone who, like me, has had a chance to know him well, that Sergio has been blessed with a special "Gift". Charismatic against that establishment that tends to maintain the "status quo" untouched in order to keep prospering, and humble when he has to divulge his thoughts and his own scientific discoveries... Sergio makes fun of himself by often using this phrase: "Nothing new is ever discovered, all we do is sweep away the dust of time from things already known". A day spent with him equals a trip on a time machine headed for the Future: a trip which is always too short, since dusk comes quickly and the thirst of knowledge, even if sedated, is never fully quenched. The fact that he considers me his friend is a great privilege, thanks to the trust he gave me since the first moment that I managed to comprehend his nature and understand why, just like the "Seagulls" of Cardarelli's poem, his destiny is to "live sparkling in the storm". I might have written too much, or maybe I haven't, but at the end of this note I realize that I could simply have written: "I love you Sergio, I love you, my friend".

Ivano Camponeschi, publisher and scientific journalist

Stagnaro explained to me that the identification of a CAEMH in a precise point of the body (trigger point), is to indicate the presence of a specific disease in any of its stages of development or predisposition. Then he showed to me, testing in practice on my body, the real risk of CAD (Coronary Artery Disease). After putting the stethoscope a few inches above my navel, he asked me to hold it at that point, then



he pointed a finger at the center of my chest, above the heart and after briefly drummed with his fingers on my stomach, he discovered, in few seconds, that I suffered by an acute myocardial infarction. I was fascinated by the extraordinary investigative technique, able to provide the physician a test of such importance, in such a short time, so that I do not think there is currently any machine that can provide a response so fast and above all with truly marginal costs for National Health Service, if the above mentioned technique, along with all the other maneuvers developed by Sergio Stagnaro, were used on a large scale in all national medical clinics. Then, we talked for a long time about the situation in our country: the ruling class has absolutely no intention to seek alternative routes to those covered by the other developed countries of Europe and especially the United States, in the field of medicine and health care. I agreed completely with his time's definition as "Of Enlightenment Switched off time". The cynical and contemptuous logic of profit at any cost contributed to reach this situation that, even if the State could not afford to pay health benefits, however, it have to pay for the sick, as long as can afford it. Sergio Stagnaro, with its techniques, with very low cost, can identify the many Quantum Biophysical Semeiotics Constitutions - even before they can evolve and become disease - and treat it effectively until his death. In fact, if all this was soon taught

to all medical students and residents, within a few decades, the number of people who become ill would be reduced more and more. What an incredible revolution, freed the world from evil! Nothing more of the current system would survive and it should invent a completely new one. Returning home, with a heart full of joy, I told my wife that we had the chance to meet a truly remarkable man, not only for his research but also for her kindness, generosity, culture and intelligence. Finally arrived at home, I thought to Sergio, as an alien or an angel sent to us from heaven.

Maurizio Sabattini, a Stagnaro's patient

Suggestive play of fate, Stagnaro had one of his main inspirations in the city of Stradivari, the artist of the violins. He "played" the stethoscope, instead of the violin like Paganini, and it is on this that is considered the most rudimentary obsolete tools, that writes and centers even his epitaph, "to prevent torpid souls, excited people of the last hour, copyists, calligraphers and counterfeiters, to perform in disgusting acrobatics rhetorical: "We will take you the sad stethoscope because you may strike-listen to the heart of the stars in the right leisure time of heaven as you did one time with our bodies" (Stagnaro, 2005b).

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