# New Frontiers Towards the Welfare of the Rhythms in Pediatrics and Neonatology: The Bio-Resonance

## Maria Grazia Spurio\*

Psychotherapist, master in neuropsychiatry and forensic psychology

President for Italy of Bambini dello Yucatan ass

Executive Director of 'Un viaggio nel viaggio' psychological travel

Director of Genius Strategic Counseling School via C.A. Jemolo 83 ROME Italy

# \*Corresponding author

Maria Grazia Spurio, Psychotherapist, Master in Neuropsychiatry and Forensic Psychology, Director of Genius Strategic Counseling School via C.A. Jemolo 83 ROME, Italy, Tel: +39 3428053146; E-mail: dott.m.g.spurio@hotmail.it.

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#### **Abstract**

Many researchers believe that the brain is able to heal the body by most diseases without any outside help, but only if its hemispheres are synchronized. A sick person always presents, even if he or she is an infant or a child, in 100% of cases, the lack of synchronization of the cerebral hemispheres. As soon as we manage to synchronize the hemispheres, at least 10%, the brain (the best doctor in the world) begins not only to recognize the problem of health, it will also solve it. This is possible thanks also to the bio-resonance - the living body's ability to enter in resonance with external acoustic action. The bio-resonance can be defined as the ability of a living organism to react to the vibrational external action. According to some of the most recent discoveries each organ of our body has its own particular frequency and its own rhythm. The frequencies and rhythms of each organ are well known, so it is possible to create programs in acoustic resonance with a particular organ or physiological system. The bio-resonance acts on the body through the brain, while the allopathic treatment does the opposite - it acts on the brain through body. This is why as serious researchers, we are called to engage in innovative and challenging programs, in order to find the right rhythms to communicate serenity and well-being, starting from a sector such as pediatry and neonatology.

**Keywords:** Neonatal Health, Bio-Resonance, Body and Mind.

#### Introduction

We live in a time when a greater number of researchers and experts of pediatric and neonatal health are called to study and understand how the vast amount of stimuli that somehow come to children, even without our knowledge, impact on the physical and psychological wellbeing.

For example, we know how important is to control adequately and to manage the food that children assimilate, even before their birth, through what pregnant women eat. Once born, the pediatric feeding stands at the forefront of nutrition research, in order to guarantee always to the men and women of tomorrow serenity and well-being, well aware of the consequences in terms of health or disease that the nutritional components have in healthy pediatric and infant growth [1]. Therefore, this means to give an attention to the body first of all and to its growth requirements.

However, the researchers sensible to the importance of an ethical and moral commitment as professionals in the pediatric sector, are called to not neglect the field of psychiatry and psychology.

The Cartesian distinction that considered body and soul as two distinct and autonomous entities, left space, gradually but irrevocably, to an idea of a body in which any mental activity is expressed through body components. The rediscovery of the body is strictly connected with the rediscovery of emotions, whose centrality is brought to the foreground by neuroscience; the emotions are the constituent nexus of consciousness instead of being considered a product of superior activities [2]. Energy is the physical basis of matter, information is the intangible component of any cognitive process, everything is energy, all is information, and consequently, the key aspect is to bring together the two dimensions: energy and information [3].

With the aim of understanding the real essence of the matter, science has come to discover that subatomic particles have an energetic nature, in other words we can affirm that every living entity is the consequence of what there is inside it. In this sense the body includes and embodies in its structure and shapes all the information: disease, suffering and trauma accumulated until a particular moment in life [4]. So, we can clearly understand the "body and mind" circularity and recursivity, each experience of an individual leaves a mark on the body such as a wrinkle, a change in

the physical and proxemics setting, as well as real changes in body chemistry. For this reason, a change of no matter what the nature on the body, such as surgery or medical treatment, will bring in some measure of consequence also on the dynamics and chemistry of mental processes. On the contrary, for the same reason, a psychotherapeutic intervention will have consequences on the dynamics of organic functionalities for sure. So, it is becoming more and more accepted by any professional that, in order to improve successfully the health and welfare of the individual, one should see the individual in a bio-psycho-social perspective, as a new functional identity, with a body able to think, and a mind able to feel.

Each person is a unique universe and the body is the place where mind and body meet in a unique and unrepeatable alchemy [5]. So it is also in the body, as well as in the mind, namely the entire functional unit of the individual, is which is well hidden the secret of its possibilities for development and transformation. An increasing number of students and researchers of different matters have begun to think of innovative projects which involve the whole person. Bioenergetics and psychosomatics try, with different approaches, to probe the secret, trying to interpret the inner languages and to observe how the mental, psychological and emotional aspects infiltrate the folds of physicality.

The challenge for professionals who deal with health is to create and develop the innovative intervention protocols that take into consideration this complexity, thus both the psychological aspects and the physical ones are considered, never forgetting, even for a while, the Cartesian dichotomy [6].

Our argument leads us, therefore, to understand how the concept of body and mind circularity has to be applied in pediatrics and neonatal medicine, as mind and body, also in infants and children are not two distinct entities. In fact the whole body of the baby is able to feel through his senses; consequently we feel the need to increase the frontiers of research and experimentation.

We often hear the word "bio-resonance", or the combination of the words: "bioresonance therapy", "bio-resonance frequencies".

The bio-resonance can be defined as the ability of a living organism to react to the vibrational external action. It can also be defined as the living body's ability to synchronize with an external action, sometimes acoustic. Acoustic action involves not only the body, but the body's cells, in fact the body begins to vibrate together with the rhythm and the melody. According to some of the most recent discoveries each organ of our body has its own particular frequency and its own rhythm [7]. The frequencies and rhythms of each organ are well known, so it is possible to create programs in acoustic resonance with a particular organ or physiological system, as, for example, in the program: "The normalization of the immune system" that some illuminated researchers are perfecting [8]. At its base there is the bio-resonance phenomenon. Our immune system works in the 12-6 Hz bandwidth. The program uses some acoustic mechanisms to fix the rhythm in this band.

At the end the body enter into resonance with the frequencies coming from the outside, and this is exactly the bio-resonance. While listening to the program the brain focuses on the external rhythm, tunes in to the frequency band that corresponds to the normal functioning of the immune system, which removes the stress to which our immune system is subjected. As a result, there is the normalization or the restoration of the immune system.

It would seem, in fact, that the ear does not only "hear"; he senses the fluctuations, these stimulates the inner ear nerves, then they are transformed into electrical impulses and finally, by different routes, they goes into the brain. Some of them go also into the hearing centers and are perceived as sounds. Others create an electrical potential in the cerebellum which controls complicated movements and balance. Consequently, they go into the limbic system that deals with emotions and release of certain biochemical substances, including releasing factors that affect our entire body.

This allows to state that the acoustic waves, through a complex mechanism that involves both the brain and the body, affect not only the organs of hearing, but the whole organism. The bioresonance is a complex phenomenon that involves many structures of the body, up to the cells that compose it.

## The synchronization of the brain as a result of acoustic action

Usually people do not have the right and left hemispheres synchronized, as can be evidently seen in 3D- ECG. The processes taking place in both hemispheres are often chaotic. With the beginning of an external acoustic action, already after 8-10 minutes, even a person who performs meditative practices, presents the start of the synchronization of both the hemispheres when the hemispheres begin to function rhythmically (because of external noise), the effectiveness of the functioning of the brain grows and it becomes able to solve a task that seemed impossible before. This concerns not only the study of mathematics but also health problems [9].

A sick person always presents, in 100% of cases, the lack of synchronization of the cerebral hemispheres. As soon as we manage to synchronize the hemispheres, at least 10%, the brain (the best doctor in the world) begins not only to recognize the problem of health, it will also solve it. This is all possible thanks to the bio-resonance - the living body's ability to enter in resonance with external acoustic action.

When we become stressed, the left hemisphere dominates with a peak of beta activity. The human brain begins to look like a "crazy antivirus" which scans the situation, at conscious and unconscious levels, with the purpose to discover the potential danger. The danger is often a fruit of imagination.

During acoustic action, the rhythm imposed from the outside changes brain activity by removing the excess of beta, and the person calms down. This is also bio-resonance; the important thing is to find a certain rhythm and frequency that can eliminate stress and the consequent disease. Many researchers believe that the brain is able to heal itself by most diseases without any outside help, but only if its hemispheres are synchronized.

However, we must not forget that a great difficulty lies in the fact that there isn't a universal frequency or rhythm. A person responds better to a certain rhythm, while another person reacts to a different one, so rhythms and different resonances could be applied also in paediatrics.

In any case the importance of lowering the stress has unfortunately become important also in pediatric field, so the innovative studies and programs such as those related to bio-resonance, together with the right feeding and the traditional psychology, can give a great contribution to help infants and children to face stressful events successfully.

The bio-resonance acts on the body through the brain, while the allopathic treatment does the opposite - it acts on the brain through body. This is why as serious researchers, we are called to engage in innovative and challenging programs because they can find the right rhythms to communicate serenity and well-being, starting from a sector such as the pediatry [10].

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