

## Improvement of Cerebral Infarction Injecting Electrons with Biological Treatment onto Acupuncture Points and Finger Pressure through the Instrument

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### Abstract

There is little research to improve and remedy of disease or sickness from the standpoints of biophysics. We report collaboration of oriental therapy of acupuncture and instrument using autonomic nervous system (Ryodoraku Autonomic Nervous System), and discuss the skin and finger pressure on tube in viewpoint of electrodynamics leading to improve cerebral infarction. At the same time, we introduce water to the mechanisms of the electronic signals through skins and tube, and water possesses the chemical-reducing ability with the pair of proton and electron. The patient of cerebral infarction has improved for walking without stick.

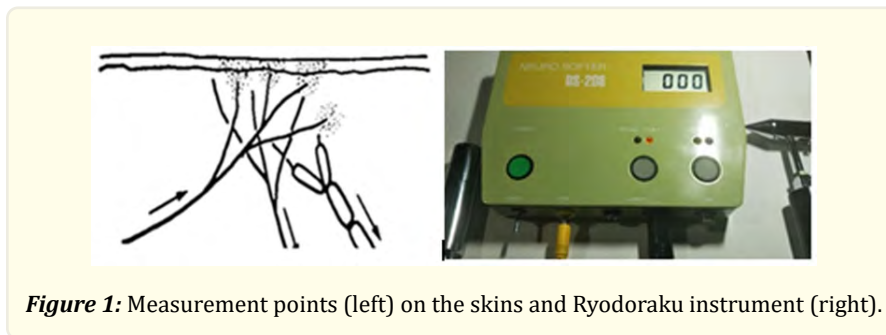
### Introduction

“Shiatsu” is massage since the old day, in which stimulation is added to the acupuncture points so that we can relieve and improve symptoms to keep physical conditions, and shiatsu is a non-invasive physical therapy that stimulates the body’s own healing abilities, although techniques and to find out the essential points are not accessible. Therefore, they study the statistical evidence for effectiveness [1, 2]. Meanwhile, they introduce Shiatsu which is a Japanese word meaning “finger pressure” in the college. It is a hands-on therapy used to compliment conventional medicine and as a preventative/alternative therapy [3].

In 1950s, the instrument was developed as the tool corresponding to acupuncture stimulation which everybody can use quickly and can recognize the body conditions by the tool, quantitatively. Furthermore, we reported to improve and cure diseases with the pieces of evidence using the medical instruments [4, 5]. Here, we discuss the mechanism and our body system in terms of biophysics. Basically, the mechanism of the instruments corresponds to the functions of SIGN water (Spin Information Gauge Network), which means electron transfer. However, the pair of electron and proton is in the case of SIGN water. The pair is called infoton [6].

### Methods

The Ryodoraku Autonomic Nervous System (ANS) created by Dr. Nakatani (1950) [7] as shown in Fig.1. He experimented with acupuncture stimulation because of the autonomic nervous system. Electrons are injected into the affected area through skins and blood vessels. Until Ryodoraku therapy was established, there was little scientific explanation for selecting acupuncture points.



**Figure 1:** Measurement points (left) on the skins and Ryodoraku instrument (right).

Furthermore, shiatsu (finger pressure therapy) is also effective to the affected area through the tubo (acupressure points).

## Results and discussion

### Skin systems and signals transfer

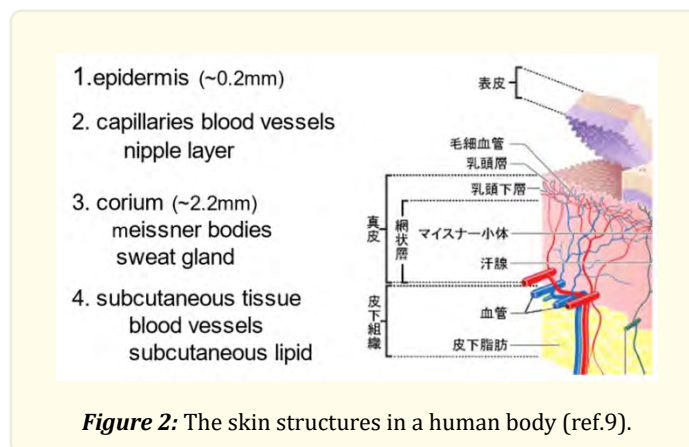
The skin on human body is usually an insulator, because skin cells construct with organic compounds. However, there is sweat on the surface and water in the epidermal and the corium (Fig. 2). Therefore, we feel static electricity when touching a metal in dry atmosphere and get an electric shock with a small current. Minimum sensing current is about one mA. Meanwhile, Ryodoraku Autonomic Nervous System (ANS) employs 200 $\mu$ A using a moist electrode, 1 cm in diameter.

The device allows testing acupuncture points according to the Ryodoraku method, Su Jok points, and reflexology zones. The device, an active probe simultaneously, has an interchangeable tip for testing the points from 1 mm diameter [8].

First, we regard the amino acids' chemical compounds, which involves many collagens shown in Fig. 3. We discuss water with the most percentage later.

The sensor functions on the skin which is a complicated system.

The sensor works on the electrical permeable point effective as a stimulus points, namely, an acupuncture point ("tubo"). Tubo may correspond to a coil in the parallel electric circuit (Fig. 4). The coil in the circuit plays a role in energizing when applying electric power in a parallel circuit. A resistivity becomes larger meaning, small current at the fixed voltage (12 volts) resulting in smaller current in Eq. (1). We can recognize the health condition on the organ associating with the tubo.



**Figure 2:** The skin structures in a human body (ref.9).

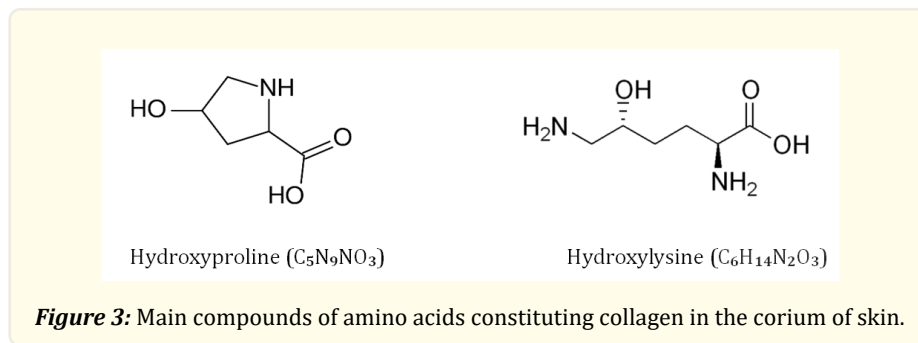
Arrows indicate → sympathetic nerve, dotted groups depict; electro-permeable points (left). Two metallic probes carry electrons through electro-permeable points in the skin.

The skin occupies 6~7 % of body weight, and approximately 9 kg, and is the largest organ in our body [1, 2]: 1. Epidermal; 0.06~0.2 mm, 3. Corium; 2~2.2 mm different depending on palm and sole. Constituents are water (approx.58%), protein (27 %), lipid (14%) and others. 4.

Keratinocyte accounts for 95% on the epidermis, and melanocyte and a Langerhans cell constitute by 5%, where contact with the outside world protects against water vaporization, intrusion of foreign matter and ultraviolet beam. SIGN water in the epidermis and corium absorbs ultraviolet beam because of pico-sizes smallness.

Let's discuss the chemical structures shown in Fig. 3. The Meissner corpuscles involves in corium, where there are blood vessels beside sensory nerves. The sensor is the mechanoreceptor which changes their structures sensing with fingertip, palm, sole, lips and face. Then, structure changes generate nervous impulse (voltage) and response to the change, after that the structure moves back. The movements relate to Ca and Na ions [10].

Collagen is a protein constituting corium, which involves amino acid residues such as 3- and 4-hydroxyproline, and 5-hydroxylysine. We can align the bonding strength like, C-N(3.1eV)<C-C (3.5 eV)<N-H (3.6eV) <C-H (4.1eV) <O-H (4.6eV) [11].



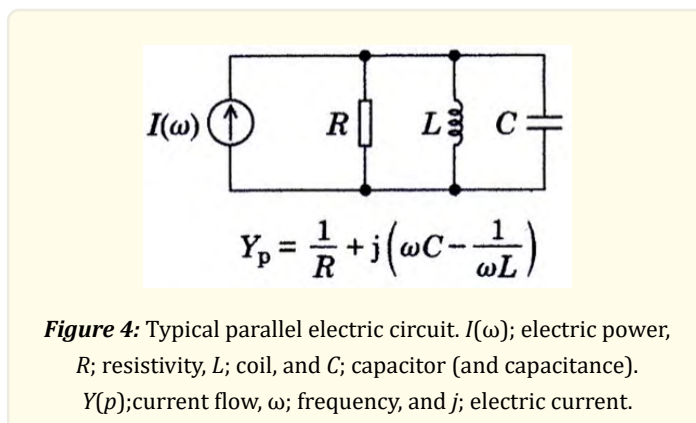
Na and Ca can ionize with 5 eV and 5.9 eV, respectively. These sensory ions attack these amino acids shown in Fig.3, then may be activated to transfer the signals in the nervous system. The signals may transfer to the capillaries blood vessels, and then the information moves into the blood.

$$V = i \times R \quad (1)$$

$$Y_p = \frac{1}{R} + j \left( \omega C - \frac{1}{\omega L} \right), \text{ namely, } Y_p \propto 1 / V, \quad (2)$$

$$U = \frac{1}{2} L i^2 \text{ (Joule)} \quad (3)$$

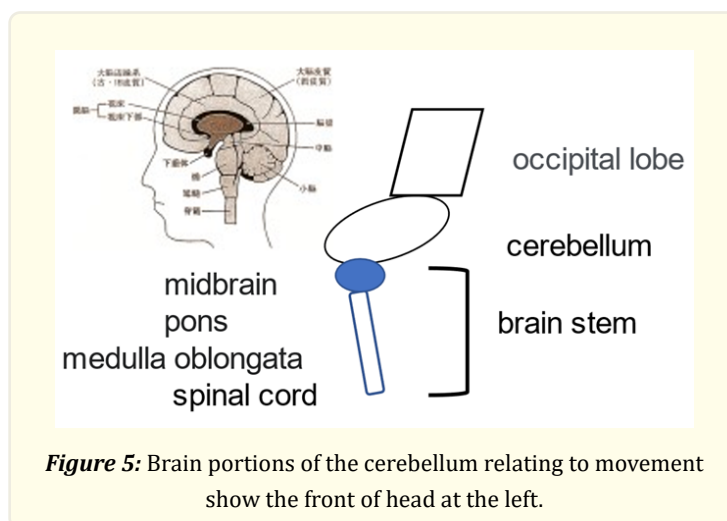
L, C and  $\omega$  are the fixed values.



We reported the detail explanation of the circuit in the manuscript, “The Water Protects a Virus with the Weak Energy Involving the Elementary Particles” [12].

### Cerebral infarction

For the most part, neurons of the brain exist in cerebellum and the number is more than one thousand million. The functions are coordination of perception and movement, in which balance, muscle tonus, and voluntary muscle movement. When the cerebral is damaged, movement and balance sensing cause abnormality resulting in not walking straight, like limping (walk unsteadily). But the cognitive state is normal.



The person had surgery after cerebral infarction. His motion was difficult and cruised around furniture. We suggested him to drink water which we indicate on the next section. One year later, he could walk with stick. If I wish I had met him earlier, I contemplated to suggest SIGN water, and use the activated LED light with the water (we will introduce this theme in the next chance). Cerebral thrombosis seems to generate because of lifestyle. It is known well that high values of neutral lipids like triglycerides are the main constituents of body fat. They store in arteries to accumulate in the blood vessel walls and become blood clots. SIGN water prevents the blood clot by enveloping the blood (6~30μm). We found the blood flow velocity (measured with the Doppler effect) increased by 11 % of blood-flow volume, and its velocity improved by 3.4% in twenty minutes after drinking SIGN water and putting the activated

socks with the SIGN water. Furthermore,  $\text{CO}_2$  in exhalation decreased by 10%.

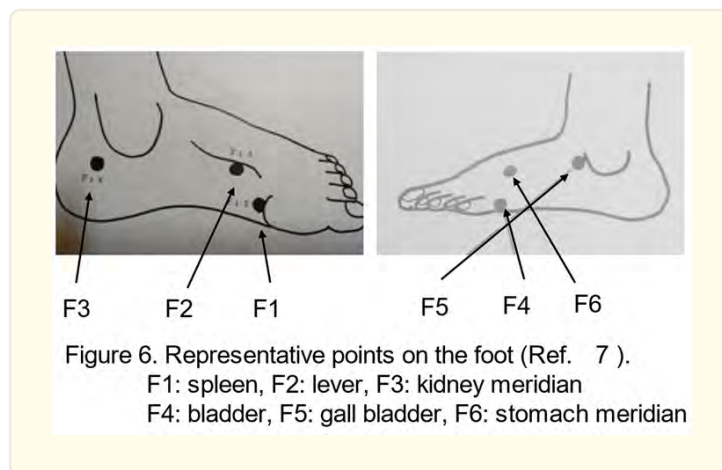
Here are why the phenomena happen. The blood viscosity decreased, and the amount of oxygen increased, meaning the combustion efficiency up in human body. Unless these evidence, the pulse itself did not change because of energizing and elasticity of the film on heart muscle.

### *Finger pressure therapy on the foot and information transfer system*

The medical treatments for the patient were the Ryodoraku instrument and finger pressure therapy on the feet shown in Fig. 6. Finger pressure was also added on the heels.

In the acupuncture treatment, there are six points on the foot corresponding to the internal organs. A meridian play for an antenna in the nervous system, then the signals through an acupuncture point transfer to the related internal organs; for instance, it is essential to involve pancreases other than spleen, liver, kidney, and gall bladder shown in Fig.6.

Here is an example of the pancreases which secrete digestive juices for digesting starch, protein, and lipid. Another function of pancreases is to control blood glucose level. On the pancreases play the secretion of hormones like insulin decrease and glucagon increase.



Another important system is the lymphatic vessel which transfers certain information with the finger pressure on the foot. So lymphatic system is a wireless communication, on the other hand, nervous system is wire communication method.

Therefore, the pelvic lymph nodes from the foot to the stomach region are highly interconnected, allowing lymphatic fluid to pass in almost any direction, between any pelvic or abdominal organ. Furthermore, any information from the sense of touch can also transfer from the skin as discussed previously besides foot on foot.

### *Evidences of the SIGN water*

We introduce two essential characteristics of SIGN water; namely, the first one is a chemical reduction based on the smallness of a pico-sized (1/1000 nanometer) [13~16]. The function of the SIGN water may protect even COVID-19 due to the elementary-particle like the pair of proton and electron shown in water content of 58% in the epidermis of the skin, and we discussed it in the viewpoints of dissociating chemical bonding of amino acids which the virus forms [16].

The second one can react with a nucleus [17, 18], and we can verify the nucleus change of less than 56 of the atomic number using SIGN water with a small energy (at room temperature). Since Fleischmann and Pons researched nuclear reaction at room temperature [19], there are many discoveries in the world to produce some charged particles and neutrons using host metal and deuterium at low nuclear energy (LENR) [20].

## Conclusion

We reported the skin and finger pressure on the tubo from the viewpoint of electrodynamics and improved cerebral infarction using Ryodoraku Autonomic Nervous System, and SIGN water. Furthermore, we discussed the mechanisms of the electronic signals through skins and tubo, and information of water which possesses the chemical reducing ability with the pair of proton and electron.

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