

INFORMATION SYSTEM OF THE HUMAN BODY

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1. Introduction

Since the collapse of Berlin wall and USSR, the world became very uncertain. And the degree of the uncertainty has been increasing toward the end of the century.

Most of the people thought the reelection of Mr. Bush, but not. The Liberal democratic party in Japan failed in the last election. Such as such, a lot of unexpected matters are occurred. In such world, to make forecast correctly is very difficult. But in business life, there are many occasions to decide which way to take. And business chances are strongly depend on these decisions. Decisions are made not by referring to many kinds of data, but finally, by the intuition. Therefore to make a correct decision, it is necessary to maintain a keen intuition. The keen intuition is related to the health and honesty.

To keep good health, physical exercises with radio music are done twice a day in most Japanese companies. And also, a lot of people attend gymnastics to do exercises after work. To keep a mental health by dissolving stress, to drink "sake(酒)" with saying insults of their boss and to sing "karaoke(カラオケ)" are very popular in Japan.

Since Meiji era, medical treatments have been done by the Western medicine, but these days many people have started to think that the Oriental medicine(東洋医学) is better than the Western medicine(西洋医学), because so many diseases cannot be cured by the Western medicine but cured by the Oriental medicine. The chemical medicine used in the Western medicine can release pain temporarily but not heal completely. Then Acupuncture, Shiatsu, and Ki-kou(気功) are getting in popular, because these methods strengthen a natural healing power. Furthermore, Ki(気) got a special interest after Dr. Ling(林厚省) did Ki(気) anesthesia in 1980. In this paper, the Oriental diagnosis methods and treatments are studied.

2. Philosophy of Oriental medicine

In the Oriental medicine, a diagnosis is done mainly by four methods, i.e. observation diagnosis, smell or hearing diagnosis, inquiry diagnosis, and pulse diagnosis. A basic idea of these diagnoses is a balance of Yin-Yang(陰陽), and a current of Ki(気). If Ki(気) does not flow smoothly, a balance of Yin-Yang is broken and disease phenomena are appeared.

Ki(気) flows through Keiraku(経絡). Usually we use 12 Keiraku's out of 20. Those 12 Keiraku's are divided in two groups, one is Yin-Kei(陰経) and the other is

Yang-Kei(陽經) as in the following table.

Table 1. Yin-Yang Keiraku(陰陽經絡)

	Yin-Kei(陰經)	Yang-Kei(陽經)
hand	(1) lung	(2) large intestine
foot	(4) spleen	(3) stomach
hand	(5) heart	(6) small intestine
foot	(8) kidney	(7) bladder
hand	(9) pericardium	(10) triple energizer
foot	(12) liver	(11) gall-bladder

The information of organs' conditions are delivered through Keiraku's. And Ki(氣) is very much related with blood. If Ki(氣) flows well, then blood flows well too. But if Ki(氣) not, then blood not either.

As mentioned in the above, popular diagnoses are the pulse diagnosis and the Ki(氣) current measuring diagnosis. The pulse diagnosis is using the relation between a Ki(氣) and a blood, and we use the pulse diagnosis to know conditions of organs. In the later, a few examples are shown. Dr. Masato Nakagawa uses the Ki(氣) current measuring diagnosis which measure resistance through Keiraku's. From the balance of the Ki(氣) current, we know the conditions of organs. Some example is depicted in the following figure.

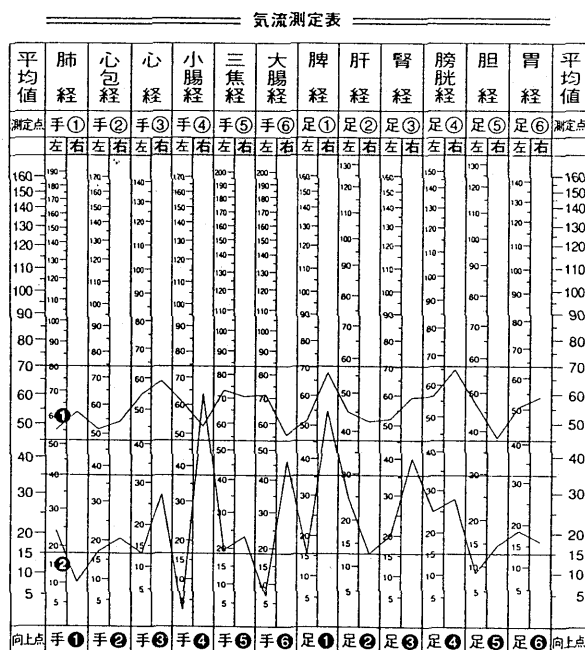


Figure 1. Ki current measuring(氣流測定)

Dr. Nakagawa is one of the greatest doctor in the world, who is using the Gai-Ki(外気) and has been curing over ten thousand of patients. I am a disciple of Dr. Nakagawa. Because conditions of organs are delivered by a blood or a Ki(気), then we know those conditions by measuring a pulse or a Ki(気) current.

3. Information delivering system

In this section we briefly look up information delivering system. There are four large systems, i.e. nervous system, blood vessel system, lymph system, and Keiraku. If these systems are working properly, our bodies are healthy, and we can work hard without any problem.

3.1 Nervous system

Human body is very much complicated. Then, it is very difficult to keep every organs working in harmony. The nervous system responds quickly to stimulus come out from outside or inside of the body to keep those harmonious. Five senses are belong to this system, and many information are carried to the spinal cord or the brain. The schematic diagram of the nervous system is depicted in the following figure.

3.2 Blood vessel system

Main work of the blood vessel system is to carry a nutrient and oxygen to each of over 60 trillion cells and away a waste matter and carbon dioxide. This system is strongly related to the Keiraku. And if Ki(気) currents are proper, then the blood vessel system works properly, vice versa. The schematic diagram of the blood vessel system is depicted in the following figure.

3.3 Lymph system

The lymph system collects lymph through system cells and puts it back into the blood vessel system. Another major work of this system is to create an antibody. The schematic diagram of the lymph system is depicted in the following figure.

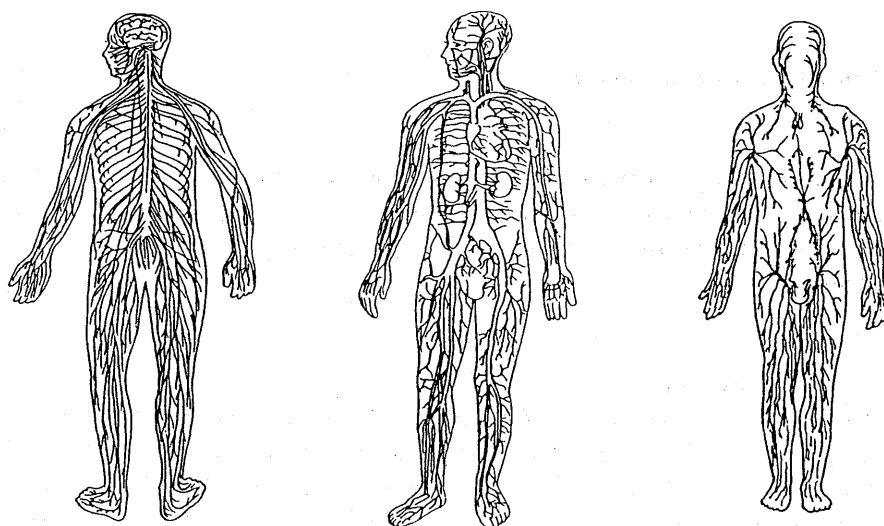


Figure 2. a. Nervous system b. Blood vessel system c. Lymph system

3.4 Keiraku

The Keiraku is a route of the Ki(気) current, but it is not physiologically found out like the blood vessel system yet. Furthermore the place of the Keiraku changes time to time, especially for the people has disease which have been found by Dr. Nakagawa. A Ki(気) is a basic material but hardly observed directly. Through the Ki(気) current measuring, we know the amount of the Ki(気) along the Keiraku. If the Ki(気) does not flow enough, some organ through the Keiraku has some trouble. But if some Keiraku is too much active comparing to other Keiraku's, it also show bad condition too. From this point of view, the balance is again very important. The Ki(気) currents are measured at the wrist of both hands and feet, at total 24 points. If the balance of the Ki(気) currents are recovered, the body becomes more active and disease is disappeared. The schematic diagram of the Keiraku is depicted in the following figures.

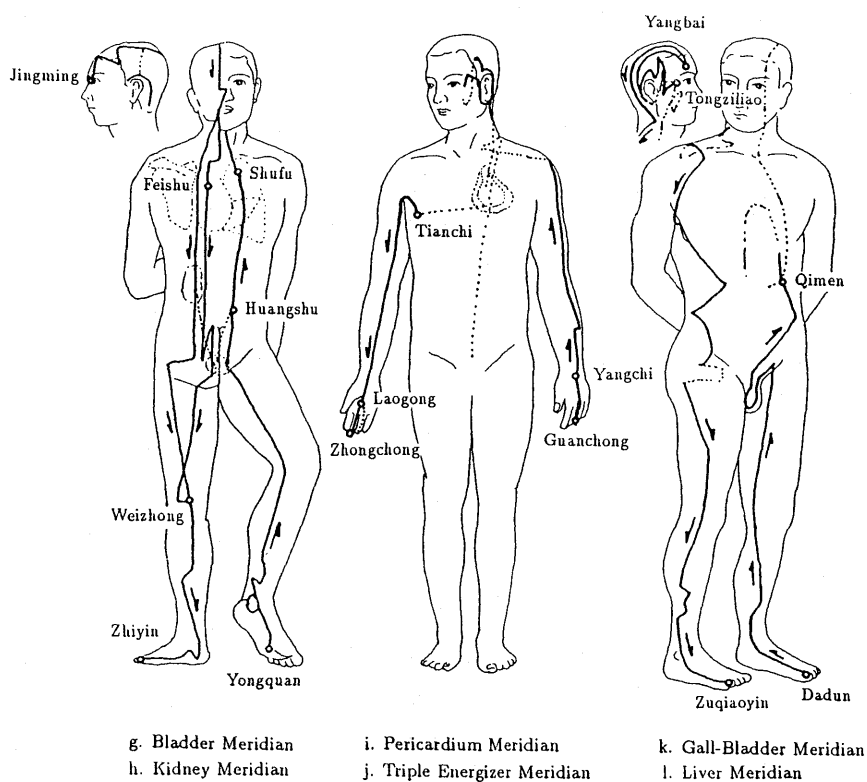
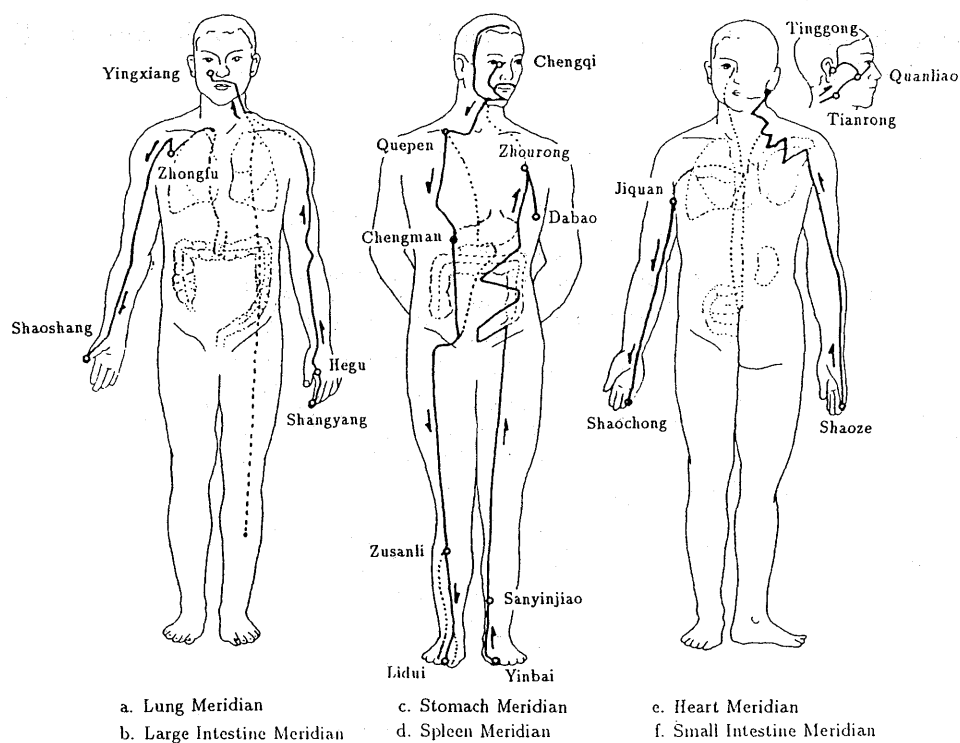


Figure 3. Twelve Keiraku(正經 12 經絡)

Each Keiraku has different active time, and the active Keiraku changes smoothly as shown in the following figure.

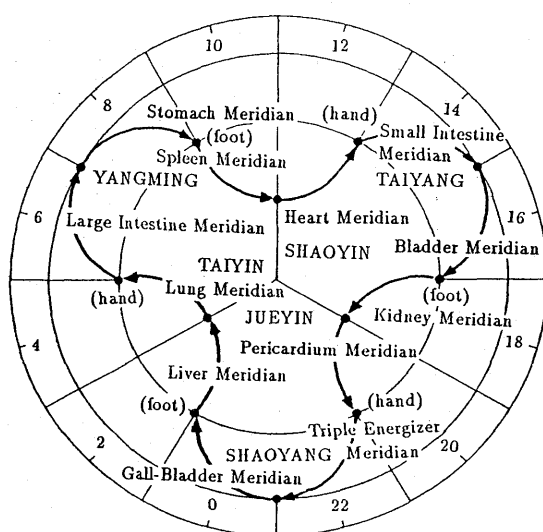


Figure 4. Active time of twelve Keiraku(正經 1 2 經絡)

4. Pulse diagnosis

The pulse diagnosis is one of the important diagnostic methods in the oriental medicine as mentioned previously, and has been accepted one of the most powerful method to give information for making diagnosis from ancient time till now. The pulse waves are measured at six places near the wrists of both hands. The waves are different each other and give us information about different organs. Chun(寸), Kuan(関) and Che(尺) are such places. The following table shows the relation between measuring parts and related organs.

Table 2. Measuring point and related organ

	right hand	left hand
Chun(寸)	middle chest lung	pericardium heart
Kuan(関)	stomach spleen	gall liver
Che(尺)	large intestine left kidney	small intestine bladder right kidney

There are three ways to press those three places, i.e. float pulse(Yang), middle pulse and sink pulse(Yin). They give different organs' information.

From the average pulse wave, we check at five points.

1. The first point is the highest peak, at this point they see not only the height but also the shape of the peak. The sharp peak shows that the organ has some trouble.
2. The second is the first bottom after the highest peak. If it is not low enough the heart is not well functioned, and if it does not smoothly drop the organ is inflamed.
3. The third point is the first peak after the bottom. If it shows high positive value or low negative value, the organ is inflamed.
4. The fourth point is the bottom after the third point. If it shows deep negative value, the function of the organ is weak.
5. The fifth point is the place just before the ascending slope of the highest peak. If the pulse wave smoothly ascends, the organ is not in bad condition.

The Oriental doctors combine these information together with other information and make diagnosis.

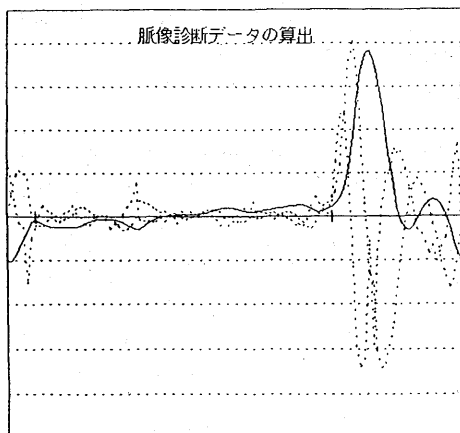
5. Example of healing

As one of the example of Gai-Ki(外氣) treatment and Chinese medicine(漢方薬), we show the Che pulse wave of the left hand. The related organ is the right kidney. This is the data of 26 year old woman who has sore waist.

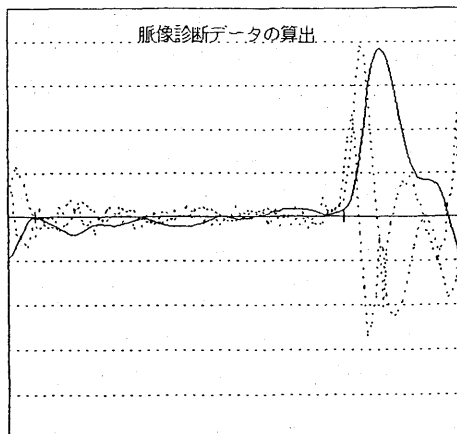
The first figure shows that the highest peak is very sharp and there is a big lump before the first bottom. This shows that the right kidney is inflamed. Then we did the Gai-Ki(外氣) treatment. She feel very hot during the treatment and something is moving inside her body. After this, she feel very pleasant.

The second figure shows the pulse wave after 30 minutes of Gai-Ki(外氣) treatment, it clearly shows that the sharpness of the highest peak disappeared and the big lump before the first bottom was improved.

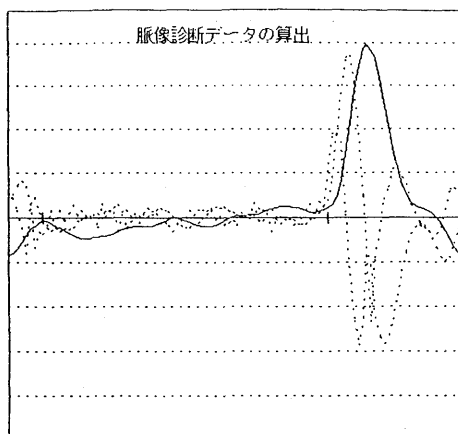
The third figure shows the symptoms are fairly cured by taking the prescription of Eight-taste of Ti-Huang Pill for about 20 days.



a. Pulse wave of left Che



b. Pulse wave of left Che after Gai-Ki treatment



c. Pulse wave of left Che after 20 days taking special pills

Figure 5. Example of pulse wave

This example clearly shows the effectiveness of Gai-Ki(外気) treatment and also the pulse diagnosis.

6. Conclusion

For the business man, it is important to maintain the keen intuition for making a correct decision. The keen intuition is related to the health and honesty.

By the oriental medicine, the health is related to the balance of Yin-Yang. And if the balance of Yin-Yang is broken, disease phenomena are appeared. Then, to be healthy, it is important to maintain the balance of Yin-Yang.

The pulse diagnosis and the Ki(気) current measuring diagnosis are powerful diagnosis methods.

To supply a Ki(気) to the damaged organ directly or through the Keiraku, the symptoms are fairly cured. Through the actual medical treatments, the effectiveness of Gai-Ki(外気) treatment, Chinese medicine and also the pulse diagnosis are clearly observed.

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