

**Pulse Analysis at “The ABC+D Approach to Natural Healing  
(Tree of Light Publishing ©)”**

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**Vladivostok  
Russia  
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## 1. Introduction.

The system of Six Tissue Terrains from “The ABC+D Approach to Natural Healing” book may be used at Pulse Analysis System with help of software version PMA V1.02.15, the “ Qi disorders” table (Fig. 1).

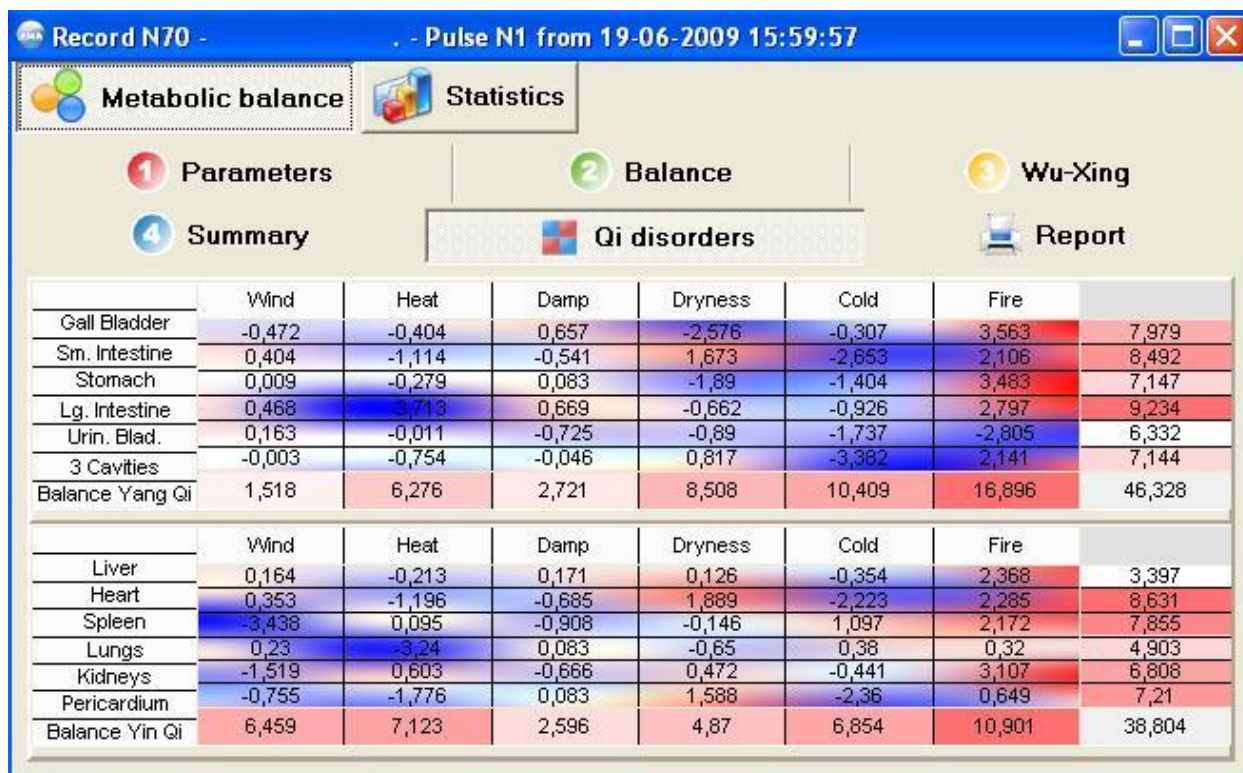


Fig. 1

The calculation of parameters in PMA V1.02.15 is made from inner point of view without calculation of outer influence. In this case readings reflect the measure of inner balance in compare with version PMA V1.02.14, where readings reflect the measure of adaptation to external influence.

## 2. The structure of readings.

### 2.1. Functional systems,

In the Fig. 1 at left column are placed names of functional systems. Regarding these functional systems American Journal of Chinese Medicine (Summer-Fall, 2000 by Noah Samuels) represents the information as follow:

Table 1. Two-Hour Peak Periods of the Twelve Organs in Traditional Chinese Medicine

Time Period	Time Branch	Organ
03:00-05:00	Yin	Lungs
05:00-07:00	Mao	Large Intestine
07:00-09:00	Chen	Stomach
09:00-11:00	Si	Spleen
11:00-13:00	Wu	Heart
13:00-15:00	Wei	Small Intestine

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15:00-17:00	Shen	Urinary Bladder
17:00-19:00	You	Kidneys
19:00-21:00	Xu	Pericardium
21:00-23:00	Hai	TripleWarmer (3 Cavities)
23:00-01:00	Zi	Gall Bladder
01:00-03:00	Chou	Liver

### 1. Lungs (03:00-05:00)

In TCM, the lungs are responsible for breathing, as well as for controlling the protective Qi of the body (called the "Wei Qi"). This protective Qi prevents external pathogenic factors (such as viruses) from invading the body. Imbalance in the lungs will lead to respiratory disease, as well as recurrent infection, especially of the upper respiratory tract. In Western medicine, nocturnal worsening of asthma is a well-known and well-documented phenomenon, with peak flow values at their lowest at 04:00. Diurnal changes in the plasma levels of cortisol, epinephrine, cyclic AMP and histamine are thought to be the cause of this exacerbation (Barnes et al., 1980). As such, treatment with long-acting beta 2 agonists, theophylline, anticholinergics, corticosteroids and leukotriene-active drugs given at certain hours during the day have been found to decrease the incidence and severity of nocturnal asthma attacks (Martin and Banks-Shlegel, 1998). In TCM, treatment is aimed at this time slot, when symptoms are most severe.

### 2. Large Intestine (05:00-07:00)

In TCM, the large intestine is responsible for digestion and excretion. However, it also has a role in the immune system of the upper respiratory tracts as the counterpart organ of the lungs (all of the internal organs are paired--the lungs with the large intestine, the stomach with the spleen, the heart with the small intestine, the bladder with the kidneys, the liver with the gallbladder, and the pericardium with an organ-like entity called the "triple warmer"). Often an acute viral illness can be felt in the pulse at the position of the large intestine (pulse diagnosis is one of the fundamentals of TCM). More recent research has shown that sufferers of viral and allergic rhinitis ("hay fever") have the most severe symptoms at this hour (Smolensky et al., 1995; Nicholson and Bogie, 1973), with "blocked nose" at 5:00 a.m. and "runny nose" at 6:45 a.m. (Smolensky et al., 1995). Studies of HI-receptor antagonists showed maximal benefit when administered in the early evening (resulting in peak levels in the early morning) (Reinberg et al., 1985). According to TCM, treatment of this meridian is very effective for acute viral and allergic symptoms.

### 3. Stomach (07:00-09:00)

The stomach in TCM plays a role similar to that in Western medicine. Chinese medicine emphasizes the importance of a balanced diet, especially a proper breakfast, since this is the time the stomach has the most energy to digest the food. Interestingly, studies of gastric motility have shown that gastric emptying is maximal at this time of day (Goo et al., 1987). Conversely, acid secretion is at its peak in the evening (Moore and Englert, 1970), and therefore H2-blockers given in the early evening suppress intragastric acidity more than early morning dosing (Wilder-Smith and Merki, 1991). In TCM, it is at night when the stomach is weakest, with heartburn resulting from Qi moving upwards instead of downwards, referred to as "rebellious Qi".

### 4. Heart (11:00-13:00)

The heart in Chinese medicine is considered to be the "Emperor" of the internal organs. It is responsible not only for the proper flow of blood in the blood vessels, but also for spiritual peace

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and proper sleep. Daily rhythms in heart rate and blood pressure were being described at the end of the 18th and middle of the 19th centuries (Lemmer, 1998). Stroke volume, heart rate and, consequently, cardiac output and blood pressure, increase throughout the morning, peaking in the early afternoon (Lemmer, 1989). The TIMI III and IIIb studies found that more patients with acute ischemic syndromes of unstable angina and non-Q wave MI had onset of ischemic pain between 6 AM and 12 noon than in any other 6-hour interval. This circadian rhythm of disease is apparently due not only to the increased blood pressure and heart rate, but also to sympathetic tone, platelet aggregation, plasma cortisol and epinephrine levels and reduced endogenous fibrinolytic activity (Cannon et al., 1997). It has been proposed that beta-blocking drugs, known for their anti-ischemic effects, should be administered in such a way as to give coverage during the "ischemic" hours of the morning (Kraft and Martin, 1995).

#### 5. Kidneys (17:00-19:00)

The kidneys in TCM are not only responsible for the proper flow of urine (along with the bladder, whose time is 15:00-17:00), but are also the fundamental source of innate energy and constitutional makeup vital for daily health. With aging, the kidneys grow weaker, with a general decrease in energy levels and difficulties with urinary flow and continence. Contemporary studies of excretory kidney function have found that different ions have different peak time occurrences in the urine; sodium and magnesium at 7:00 PM, calcium at 4:00 PM, and potassium at 1:00 PM (Kanabrocki et al., 1983). This information is important with respect to all medications which undergo renal excretion, as well as for maximizing the effect of diuretics such as thiazides and furosemide (Kraft and Martin, 1995).

#### 6. Liver (01:00-03:00)

The liver in TCM is responsible for the proper flow of substances throughout the body, as well as movement of both physical and emotional aspects. Hepatic flow has been shown to be significantly greater during the late night and early morning than about noon or in the afternoon (Lemmer, 1991). Serum levels of drugs such as propranolol have been found to be relatively high when taken at 8:00 a.m., when liver metabolism is low (Langner and Lemmer, 1988).

### 2.2. Description “Qi disorders” table.

The line : 

Wind	Heat	Damp	Dryness	Cold	Fire
------	------	------	---------	------	------

at Fig. 1 shows names of columns of appropriate Qi. In accordance with our methodology, the Qi is physical parameters. It is the measure of bio oscillation energy in cells. Naturally it is represented by energy of specific spectrum of metabolic oscillation for each functional system (organ).

There are 6 pairs of functional systems in association with appropriate Qi (specific spectrum of oscillation):

- Lungs, Large Intestine - Dryness;
- Stomach, Spleen - Damp;
- Heart, Small Intestine - Heat;
- Urinary Bladder, Kidneys - Cold;
- Pericardium, TripleWarmer (3 Cavities) - Fire;
- Liver, Gall Bladder - Wind.

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### 2.3. General Qi structure of functional systems.

At each moment functionality of systems is accompanied by processes of mutual interaction of 5 Qi (at physical level the rig of interfering energy waves is formed). The 6-th Qi (the **Fire Qi**) is a result of interaction of other 5 Qi.

Five Qi are not equitable each with another. There are Host and Guest Qi in the functional systems:

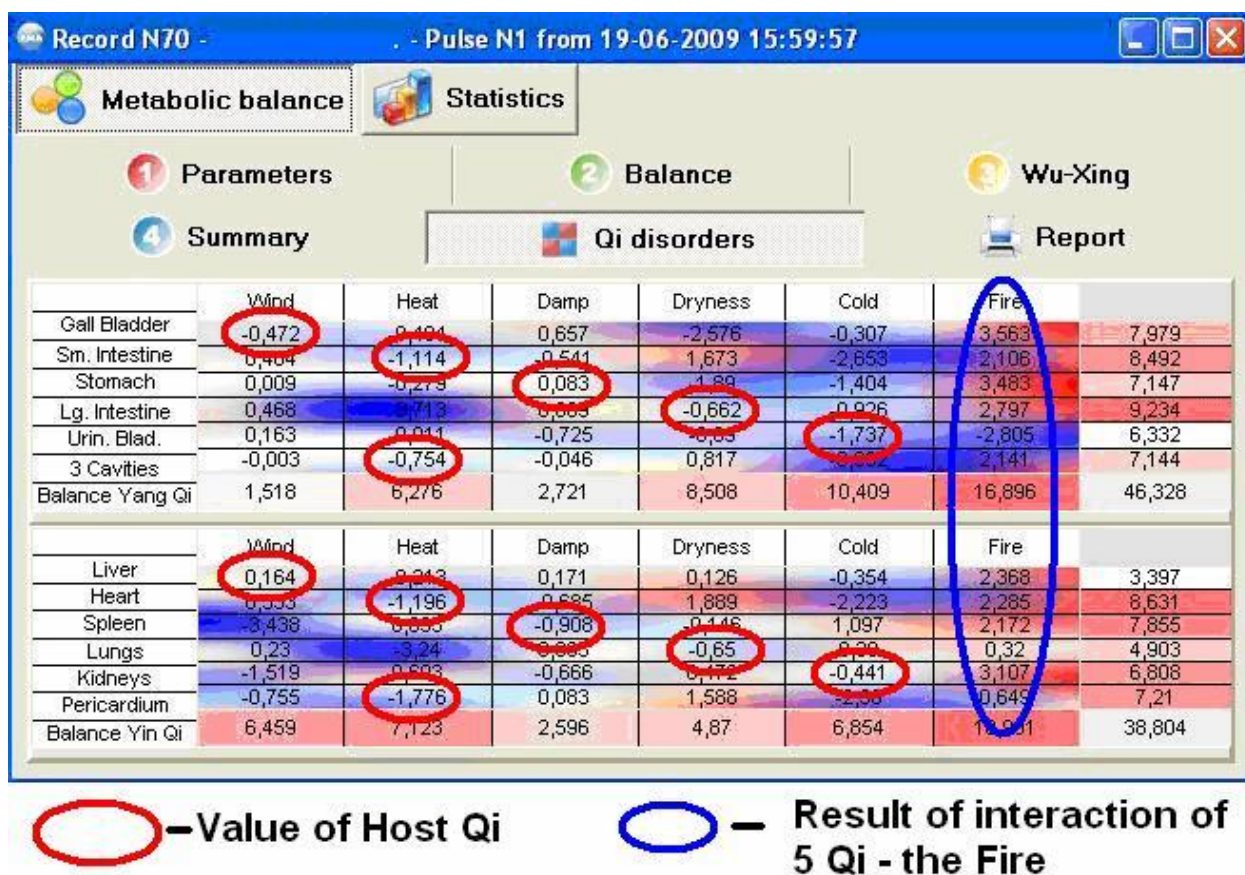


Fig. 2

The **Host Qi** is metabolic oscillation spectrum produced by given functional system. Other 4 Qi are spectrum coming from other functional systems over elastic medium (water in the body).

#### Example for Gall Bladder system:

	Wind	Heat	Damp	Dryness	Cold	Fire
Gall Bladder	-0,472	-0,404	0,657	-2,576	-0,307	3,563

The Wind Qi is host Qi in this system. Heat, Damp, Dryness, Cold Qi are guest Qi. The Fire Qi is result of Wind, Heat, Damp dryness and Cold Qi interaction.

#### Example for Heart system:

	Wind	Heat	Damp	Dryness	Cold	Fire
Heart	0,353	-1,196	-0,685	1,889	-2,223	2,285

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The Heat Qi is host Qi in this system. Wind, Damp, Dryness, Cold Qi are guest Qi. The Fire Qi is result of Wind, Heat, Damp Dryness and Cold Qi interaction.

#### 2.4. Inner Qi structure of functional systems.

Each functional system has inner structure, where the Host Qi is always inner Heat Qi. If we mark each Qi at appropriate colour: **Heat – red**, **Wind – green**, **Dampness – yellow**, **Dryness – light gray**, **Cold – blue**, the table at Fig. 1 is presented as follow:

	Wind	Heat	Dampness	Dryness	Cold	Fire
Gall Bladder	Red	Yellow	Light Gray	Blue	Green	Pink
Small Intestine	Green	Red	Yellow	Light Gray	Blue	Pink
Stomach	Blue	Green	Red	Yellow	Light Gray	Pink
Large Intestine	Light Gray	Blue	Green	Red	Yellow	Pink
Urinary Bladder	Yellow	Light Gray	Blue	Green	Red	Pink
3 Cavities	Green	Red	Yellow	Light Gray	Blue	Pink
Liver	Red	Yellow	Light Gray	Blue	Green	Pink
Heart	Green	Red	Yellow	Light Gray	Blue	Pink
Spleen	Blue	Green	Red	Yellow	Light Gray	Pink
Lungs	Light Gray	Blue	Green	Red	Yellow	Pink
Kidneys	Yellow	Light Gray	Blue	Green	Red	Pink
Pericardium	Green	Red	Yellow	Light Gray	Blue	Pink

Fig. 3

Another fact is even-odd order of Qi in functional systems:

	WIND	HEAT	DAMPNESS	DRYNESS	COLD	FIRE
GALL BLADDER (GB)	GB	HT	ST	LU	KI	GB
SMALL INTESTINE (SI)	LR	SI	SP	LI	KI	SI
STOMACH (ST)	LR	HT	ST	LU	UB	ST
LARGE INTESTINE (LI)	GB	HT	SP	LI	KI	LI
URINARY BLADDER (UB)	LR	SI	SP	LU	UB	UB
3 CAVITIES (TE)	LR	TE	SP	LI	KI	TE
LIVER (LR)	LR	SI	SP	LI	UB	LR
HEART (HT)	GB	HT	ST	LU	UB	HT
SPLEEN (SP)	GB	SI	SP	LI	KI	SP
LUNGS (LU)	LR	SI	ST	LU	UB	LU
KIDNEYS (KI)	GB	HT	ST	LI	KI	KI
PERICARDIUM (PC)	GB	PC	ST	LU	UB	PC

Fig. 4

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At Fig 4 red colour shows Yang functional systems, but blue colour – Yin functional systems (Yang systems are hollow, shelled, but Yin systems are associated with parenchymatous organs).

### 3. Correlation of Pulse Analysis readings and systems in “The ABC+D Approach to Natural Healing”(Tree of Light Publishing).

The Six Tissue Terrains System (STTS) has direct correlation with the Five Elements theory of Traditional Chinese Medicine:

Six Tissue Terrains					
Metabolism		Moisture		Tone	
General Irritation	General Depression	General Stagnation	General Atrophy	General Relaxation	General Constriction
Heat Qi	Cold Qi	Dampness Qi	Dryness Qi	Wind Qi	Fire Qi

Fig. 5

All energies in the body may be grouped in accordance with their main functions:

The Dao - Wholeness					
Yang condition			Yin condition		
General Irritation	General Atrophy	General Constriction	General Depression	General Stagnation	General Relaxation
Heat Qi	Dryness Qi	Fire Qi	Cold Qi	Dampness Qi	Wind Qi

Fig. 6

Stimulation the Heat, Dryness, and Fire Qi will increase the Yang condition (Catabolic processes), but increase of Cold, Dampness and Wind Qi is Anabolic action.

### 4. Instructions for usage of STTS in Pulse Analysis.

#### 4.1 Common approach to the pulse readings.

Unfortunately, authors of STTS had not observed the principles of Six Terrains completely. The NSP products for Reproductive, Immune and Nervous systems can not be used on the base of Pulse Analysis readings. Product for Reproductive, Immune and Nervous systems should be used on the base additional information.

Other conditions in STTS are correlating with functional systems in Pulse Analysis in a manner as follow at Fig. 7:

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Six Tissue Terrains System	Pulse Analysis Functional System
Digestive System	Stomach
	Small Intestine
	Large Intestine
Glandular System	Thyroid - Small Intestine
	Pancreas - Spleen
	Adrenals - Urinary Bladder & Kidneys
Circulatory System	Heart
	Small Intestine
	3 Cavities
	Pericardium
Respiratory System	Lungs
	Large Intestine
Intestinal System	Gall Bladder
	Large Intestine
Structural System	Kidneys
	Liver
Hepatic system	Liver
	Gall Bladder
Urinary System	Kidneys
	Urinary Bladder

Fig. 7

To select the proper system for correction, we should evaluate general deformation, condition of Fire Qi for each functional system at “Qi disorders” diagram (Fig. 8):

	Wind	Heat	Damp	Dryness	Cold	Fire	
Gall Bladder	-0,121	-1,409	0,129	1,394	0,041	2,406	5,501
Sm. Intestine	0,76	-0,457	-0,593	1,261	0,132	0,769	2,271
Stomach	-0,704	-0,693	-1,689	0,046	-0,73	-3,894	7,756
Lg. Intestine	-0,544	-0,845	-0,875	-1,729	0,2	-3,611	7,804
Urin. Blad.	0,296	-0,215	-1,157	-0,855	-1,683	-2,995	7,201
3 Cavities	-0,29	-1,608	-0,103	0,618	-3,006	-0,552	5,091
Balance Yang Qi	2,714	5,227	4,545	5,903	5,792	14,008	38,189
	Wind	Heat	Damp	Dryness	Cold	Fire	
Liver	-0,576	-1,562	0,809	0,364	-0,102	3,474	6,887
Heart	0,008	-0,489	-1,008	1,466	-0,018	3,543	6,533
Spleen	-0,619	-0,725	-1,61	0,105	-1,069	-4,303	8,43
Lungs	-0,986	-0,802	-0,799	-1,715	0,138	-4,282	8,722
Kidneys	0,414	-0,644	-1,345	-0,772	-1,539	-3,502	8,215
Pericardium	-0,074	-1,449	-0,081	0,874	-2,937	0,663	9,117
Balance Yin Qi	2,677	5,671	5,652	5,295	5,803	19,108	44,205

Fig. 8

The main indicator is value of general deformation ( red rings). If general deformation of functional systems are about the same values it is required to compare meanings of Fire Qi

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(green rings). The most lower meaning of Fire Qi increase the general disturbance of functional system.

In our case at Fig. 8 functional systems Spleen, Lungs and Kidneys have the highest level of deformation. For first step of correction we can select only Lungs system (the maximal value of deformation), but other system are observable during the process of correction.

Correction should be made on the base of NSP products for Respiratory system where the Lung functional system is included.

#### 4.2 Selecting the product for given system of STTS.

In this case we should use knowledge about inner structure of Qi in functional system (Fig. 3). If the selected functional system has negative value of Fire Qi (as it is in our sample at Fig. 8), we should use products for Atonic (Relaxed) condition. In our case the Respiratory Relaxation herbs and combinations must be used. It will help to push correction of other Qi.

Then we should select the Qi with the maximum of deformation in the functional system. In the Lung (respiratory of STTS) there is the lack of Heat Qi (factor of metabolism at STTS – the reading is shown in red rectangle at Fig. 8). Deficiency of Heat Qi at the same time is excess of Cold Qi (or Cold condition in STTS) and we should use herbs and combination for the “Respiratory Depression”.

#### 4.3 Chronotherapy.

The most effective usage of product may be done only at proper time. As far as functional systems have periods of activity, it is reasonable deal to make correction in accordance with the Table 2:

SYSTEM \ TIME	23 - 01	01 - 03	03 - 05	05 - 07	07 - 09	09 - 11	11 - 13	13 - 15	15 - 17	17 - 19	19 - 21	21 - 23
GALL BLADDER (GB)	Orange							Orange	Orange			Orange
SMALL INTESTINE (SI)				Orange	Orange			Orange	Orange			
STOMACH (ST)	Orange			Orange	Orange							Orange
LARGE INTESTINE (LI)	Orange			Orange	Orange							Orange
URINARY BLADDER (UB)				Orange	Orange			Orange	Orange			
3 CAVITIES (TE)	Orange							Orange	Orange			Orange
LIVER (LR)		Cyan	Cyan							Cyan	Cyan	
HEART (HT)		Cyan				Cyan	Cyan					
SPLEEN (SP)		Cyan				Cyan	Cyan					
LUNGS (LU)		Cyan	Cyan							Light Blue	Light Blue	
KIDNEYS (KI)						Cyan	Cyan			Light Blue	Light Blue	
PERICARDIUM (PC)						Cyan	Cyan			Light Blue	Light Blue	

Table 2.

The time in Table 2. is astronomical. The zero hour is a moment exactly between sunset and sunrise at the location of the patient.

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## 5. Samples of selecting of functional systems for STTS correction.

### 5.1.

	Wind	Heat	Damp	Dryness	Cold	Fire	
Gall Bladder	0,434	-0,401	-0,459	-1,184	0,08	2,783	5,34
Sm. Intestine	-0,159	0,715	-0,839	-0,931	0,252	3,307	6,204
Stomach	-0,422	0,134	-0,257	-1,68	-0,006	3,597	6,095
Lg. Intestine	0,276	-1,243	0,072	0,051	-0,303	2,575	4,521
Urin. Blad.	-0,031	0,14	-0,398	-0,601	0,18	2,847	4,198
3 Cavities	-0,283	0,665	-0,477	-0,829	0,384	2,633	5,272
Balance Yang Qi	1,605	3,298	2,502	5,277	1,205	17,743	31,63
	Wind	Heat	Damp	Dryness	Cold	Fire	
Liver	-0,188	-1,853	-0,404	0,942	-0,112	3,256	6,555
Heart	0,025	-0,094	-0,499	0,325	-1,728	3,115	5,786
Spleen	-1,546	-0,966	-1,784	0,258	0,163	-2,128	6,844
Lungs	0,595	-2,942	-0,117	-0,689	0,556	0,526	5,426
Kidneys	-0,07	1,013	-1,234	-0,299	-0,315	2,788	5,72
Pericardium	0,000	0,093	-0,436	-0,2	-2,03	3,021	5,78
Balance Yin Qi	2,423	6,962	4,475	2,713	4,904	14,634	36,112

Fig. 9

Maximum deformation is at Spleen functional system. It correlate with Glandular system in STTS. Inside the Spleen system the inner Heat Qi has maximum deficiency. Thus, the product of NSP for Underactive metabolism (Cold condition) of Pancreas should be used at time 01-05 and at 09-13 hours.

### 5.2.

	Wind	Heat	Damp	Dryness	Cold	Fire	
Gall Bladder	0,75	-0,35	-1,082	0,056	-0,301	2,505	5,044
Sm. Intestine	-0,23	0,75	-0,482	-1,17	0,076	2,513	5,222
Stomach	0,106	-0,309	0,541	-0,549	-0,582	3,059	5,146
Lg. Intestine	-0,803	0,705	-0,22	0,634	-1,024	3,452	6,838
Urin. Blad.	-0,615	-0,011	0,085	-0,424	0,256	3,453	4,844
3 Cavities	-0,377	0,522	-0,614	-0,544	0,627	2,949	5,633
Balance Yang Qi	2,881	2,647	3,025	3,377	2,866	17,931	32,727
	Wind	Heat	Damp	Dryness	Cold	Fire	
Liver	0,332	-0,641	-0,163	-0,199	-0,024	2,927	4,286
Heart	0,195	-0,551	-0,645	1,121	-1,963	3,105	7,58
Spleen	0,274	-0,481	0,194	-0,833	0,111	3,92	5,814
Lungs	-0,777	-0,507	0,278	0,333	-1,408	3,373	6,676
Kidneys	-0,274	0,886	-1,387	0,088	-0,29	2,477	5,401
Pericardium	-0,163	-1,096	-0,556	2,5	-0,585	3,016	7,917
Balance Yin Qi	2,016	4,162	3,224	5,075	4,38	18,818	37,674

Fig. 10

Maximum deformations are at Heart and Pericardium functional systems. These systems correlate with Circulatory system in STTS. Inside the Heart system the inner Cold Qi has maximum deficiency and inside Pericardium system the Dryness Qi has maximum excess. Thus, the product of NSP for Circulatory system in STTS should be used at Heart in Overactive

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Metabolism (Hot condition) at periods 01-05 and 09-13 hours and at Pericardium in deficiency of Moisture (Dry conditions) at 09-13 and 17-21 hours.

### 5.3.

	Wind	Heat	Damp	Dryness	Cold	Fire	
Gall Bladder	0,469	-0,773	-0,477	-1,076	0,295	3,198	6,288
Sm. Intestine	0,032	0,275	-0,43	-0,05	-0,205	2,34	3,332
Stomach	-2,869	-0,48	-0,26	0,31	0,086	2,286	6,29
Lg. Intestine	-0,229	-2,542	-0,186	-0,021	0,048	2,295	5,32
Urin. Blad.	-0,173	0,88	-3,297	-0,134	-1,558	0,286	6,328
3 Cavities	0,157	0,07	-0,606	0,36	-0,48	2,699	4,372
Balance Yang Qi	3,93	5,02	5,256	1,95	2,674	13,104	31,93
	Wind	Heat	Damp	Dryness	Cold	Fire	
Liver	-1,206	-0,278	-0,833	0,532	-0,062	-4,05	6,96
Heart	0,026	0,407	-0,407	-0,313	-0,553	2,384	4,27
Spleen	-2,013	0,191	-1,472	-0,345	0,597	-0,98	5,688
Lungs	-0,051	-2,808	-0,365	-0,177	0,69	1,19	5,28
Kidneys	0,579	0,052	-1,411	-0,826	0,121	2,368	5,356
Pericardium	-0,629	-1,217	0,587	-0,796	-0,611	-3,994	7,834
Balance Yin Qi	4,504	4,953	5,075	2,989	2,724	15,144	35,389

Fig. 11

Maximum deformations are at Pericardium and Liver functional systems. These systems correlate with Circulatory and Hepatic systems in STTS. Inside the Pericardium and Liver functional systems the inner Heat Qi has maximal deficiency. Another fact is that Fire Qi in these functional systems have negative value. At this condition, the product of NSP should be used at Circulatory and Hepatic systems for case of Underactive (Cold) condition and Atonic (Relaxed) condition. The best period for correction of Circulatory is 09-13 and 17- 21 hours and for correction of Hepatic system – 17- 21, 01-05 hours

### 5.4.

	Wind	Heat	Damp	Dryness	Cold	Fire	
Gall Bladder	0,314	-1,075	-0,24	0,773	-0,026	3,013	5,44
Sm. Intestine	-0,323	0,548	-0,59	-0,596	0,542	2,85	5,449
Stomach	0,601	-0,121	-0,319	-1,778	-0,03	3,332	6,181
Lg. Intestine	-0,565	0,215	-0,042	0,404	-1,172	3,467	5,865
Urin. Blad.	-0,719	-0,723	0,841	-0,244	0,611	2,757	5,895
3 Cavities	-0,224	0,3	-1,192	-0,387	0,816	3,375	6,294
Balance Yang Qi	2,745	2,982	3,224	4,182	3,198	18,793	35,124
	Wind	Heat	Damp	Dryness	Cold	Fire	
Liver	0,615	-1,18	-1,077	0,956	-0,253	3,21	7,291
Heart	-0,404	0,675	-1,543	-0,345	0,405	4,047	6,759
Spleen	1,041	-0,175	0,659	-0,999	-0,817	3,106	6,798
Lungs	-0,761	0,366	-0,15	0,461	-1,226	3,568	6,532
Kidneys	-1,213	0,934	0,527	0,011	-0,377	3,125	6,187
Pericardium	-0,292	-0,292	-1,744	-0,033	0,25	3,941	6,551
Balance Yin Qi	4,328	2,961	5,7	2,805	3,328	20,996	40,118

Fig. 12

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Maximum deformation is at Liver functional system. It correlate with Hepatic system in STTS. Inside the Liver functional system the inner Damp Qi has maximal deficiency (relative excess of Dryness). Thus, the product of NSP for Hepatic system in STTS should be used for Dry condition at period 17-21 and 01-05 hours.

#### 5.4.

	Wind	Heat	Damp	Dryness	Cold	Fire	
Gall Bladder	-0,224	0,035	0,359	-2,18	-0,209	2,369	5,376
Sm. Intestine	0,223	-0,27	0,039	0,598	-1,884	1,496	4,51
Stomach	-1,998	0,181	-0,867	-0,2	1,735	2,122	7,104
Lg. Intestine	0,773	-3,601	0,281	-1,07	0,112	0,354	6,191
Urin. Blad.	-0,664	0,95	-4,1	0,148	-1,065	3,046	9,973
3 Cavities	0,364	-0,651	-0,868	0,431	-3,744	3,274	9,332
Balance Yang Qi	4,246	5,689	6,514	4,626	8,75	12,661	42,486
	Wind	Heat	Damp	Dryness	Cold	Fire	
Liver	-0,453	-1,493	-0,349	2,333	0,389	-0,537	5,554
Heart	-0,361	-1,584	-0,008	0,186	-1,923	-1,807	5,869
Spleen	-2,95	-0,187	-0,7	-0,315	0,925	3,12	8,196
Lungs	0,013	-0,158	-0,231	0,244	-0,18	2,264	3,089
Kidneys	-1,354	0,851	-0,762	0,087	-0,441	3,949	7,443
Pericardium	0,432	-0,049	-1,464	-0,099	-0,363	2,956	5,364
Balance Yin Qi	5,561	4,322	3,514	3,263	4,221	14,634	35,515

Fig. 13

Maximum deformation is at Urinary Bladder functional system. It correlate with Urinary system in STTS. Inside the Urinary Bladder functional system the inner Cold Qi has maximal deficiency (relative excess of Heat). Thus, the product of NSP for Urinary system in STTS should be used for Overactive (Hot) condition at period 05-09 and 13-17 hours.

#### 5.5.

	Wind	Heat	Damp	Dryness	Cold	Fire	
Gall Bladder	0,154	-1,644	-0,774	0,056	-0,287	4,078	6,993
Sm. Intestine	0,053	0,327	-0,735	-0,155	0,515	2,448	4,234
Stomach	-2,061	0,004	-0,015	-0,227	-0,001	2,538	4,846
Lg. Intestine	1,024	-2,805	0,188	-0,713	-0,116	1,918	6,764
Urin. Blad.	-0,311	-0,059	-2,019	-0,016	0,025	2,769	5,199
3 Cavities	0,376	-0,203	-0,456	-1,205	0,326	-1,888	4,454
Balance Yang Qi	3,979	5,042	4,188	2,372	1,27	15,639	32,49
	Wind	Heat	Damp	Dryness	Cold	Fire	
Liver	-0,231	0,016	0,266	-1,356	0,497	0,216	2,582
Heart	-0,11	0,194	-1,741	-1,368	0,404	2,902	6,719
Spleen	-0,692	-0,732	-1,144	0,804	-0,972	-4,261	8,605
Lungs	-0,399	-1,692	-0,257	-1,472	0,085	-2,868	6,812
Kidneys	0,329	0,335	-1,22	-1,066	-1,753	-1,983	6,685
Pericardium	-0,696	-1,639	0,023	-1,071	-0,57	-4,303	8,301
Balance Yin Qi	2,457	4,608	4,69	7,137	4,281	16,532	39,704

Fig. 14

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Maximum deformation is at Spleen functional system. It is equal to Glandular system in STTS. Inside the Spleen system the inner Heat Qi has maximum deficiency. Thus, the product of NSP for Underactive metabolism (Cold condition) of Pancreas should be used at time 01-05 and at 09-13 hours.

### 5.6.

	Wind	Heat	Damp	Dryness	Cold	Fire	
Gall Bladder	-1,024	0,598	-0,112	-2,587	-0,2	1,756	6,277
Sm. Intestine	-0,595	0,244	0,108	-0,117	-1,257	2,975	5,297
Stomach	-2,797	0,31	-0,879	-0,917	1,359	3,494	9,756
Lg. Intestine	0,949	-2,73	0,152	-0,804	-1,196	3,999	9,83
Urin. Blad.	-0,108	-0,265	-1,975	0,101	0,139	2,374	4,661
3 Cavities	-0,546	0,494	-0,149	-0,488	-0,829	3,333	5,839
Balance Yang Qi	6,019	4,64	3,376	5,013	4,981	17,63	41,659
	Wind	Heat	Damp	Dryness	Cold	Fire	
Liver	-1,195	0,377	-0,676	-0,765	-0,297	-3,811	7,121
Heart	-0,705	-1,43	0,328	-0,598	-0,481	-3,693	7,236
Spleen	-1,228	-0,137	-1,448	-0,023	1,22	-0,767	4,823
Lungs	2,177	-1,645	-0,505	-1,344	-0,207	2,468	8,347
Kidneys	0,047	0,965	-2,745	0,039	-1,279	-0,003	5,079
Pericardium	-0,277	0,159	-0,437	-0,347	-2,056	3,579	6,855
Balance Yin Qi	5,63	4,713	6,139	3,115	5,541	14,322	39,46

Fig. 15

- Maximum deformations are at Stomach and Large Intestine functional systems. These systems are correlating with Digestive system in STTS. Inside the Stomach and Large Intestine systems the inner Cold Qi has maximum deficiency. Thus, the product of NSP for Digestive system in STTS should be used for Overactive (Hot) condition at periods 21-01 and 05-09 hours.