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SYSTEM COMPLEXES AS A PROBLEM FUNCTIONAL VEGETOLOGY AND ZHEN-TSZYU THERAPY

(FINAL INFORMATION)

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Summary. *The article presents the final scientific data under the section "System-vegetative dependence as a problem of functional vegetology and traditional Zhen-Tszyu therapy". Forgotten knowledge of previous civilizations should become clear and accessible through their scientific adaptation and belong to modern society. An improved methodology for visualizing experimental materials aimed at their biophysical reality, vegetative nature and requires the attention of general practitioners and rehabilitation physicians.*
Key words: functional-vegetative complexes, vegetative homeostasis, functional vegetology, theory and practice of traditional Zhen-Tszyu therapy

Резюме. *В наведеній статті приводяться дані по розділу "Функціонально-вегетативні комплекси як проблема функціональної вегетології і традиційної Чжень-цзю терапії". Забуті знання попередніх цивілізацій повинні стати зрозумілими і доступними через їх наукову адаптацію і належати сучасному суспільству. Удосконалена методологія візуалізації експериментальних матеріалів спрямована на підтвердження їх біофізичної реальності, вегетативної сутності і вимагає уваги лікарів загальної практики та реабілітологів.*
Ключові слова: функціонально-вегетативні комплекси, вегетативний гомеостаз, функціональна вегетологія, теорія і практика традиційної Чжень-цзю терапії

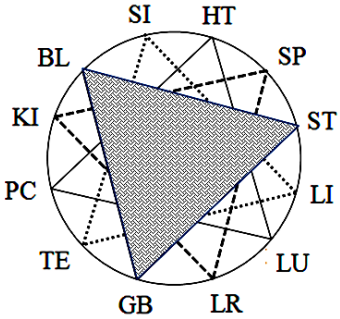
Резюме. *В статье приводятся заключительные научные данные по разделу " Функционально-вегетативные комплексы как проблема функциональной вегетологии и традиционной Чжень-цзю терапии". Забытые знания предыдущих цивилизаций должны стать понятными и доступными через их научную адаптацию и принадлежать современному обществу. Усовершенствованная методология визуализации экспериментальных материалов направлена на подтверждение их биофизической реальности, вегетативной сущность и требует внимания врачей общей практики и реабилитологов.*
Ключевые слова: функционально-вегетативные комплексы, вегетативный гомеостаз, функциональная вегетологии, теория и практика традиционной Чжень-цзю терапии,

Introduction

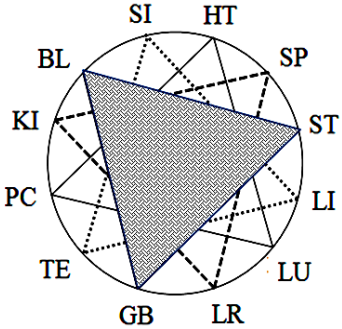
Information on the functional complexes of "acupuncture channels" was published by us in previous monographs [3,p.174; 6,p.142]. In this section, we draw attention to the biophysical complement of their system organization and the vegetative orientation. Under the term "Functional-vegetative complexes" (FC, FC) we consider groups of "acupuncture channels" that determine the common functional orientation and system-vegetative homeostasis as a whole.

Materials and methods

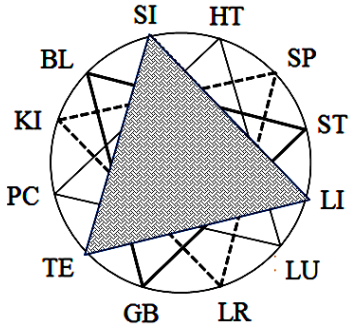
Today, the biophysical reality of 4 functionally-vegetative complexes has been experimentally confirmed: FC1(BL-GB-ST), FC-2(SP-LR-KI), FC-3(SI-TE-LI) and FC-4(LU-PC-HT). Without violating the topographic sequence of "acupuncture channels" on the "Great Circle", they occupy individual places and provide a specific vegetative function (Fig.1). In general, individual functional complexes form a specific "Flower of the Living" (fig.2), which became the basis of the previously unknown "Functional-vegetative Matrix".



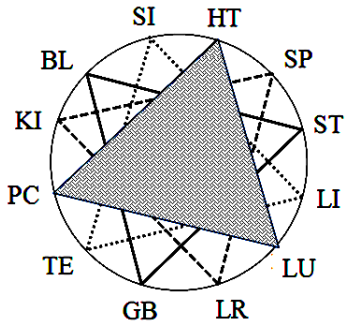
ФК(FC) -1 = BL-GB-ST



ФК(FC) - 2 = SP-LR-KI



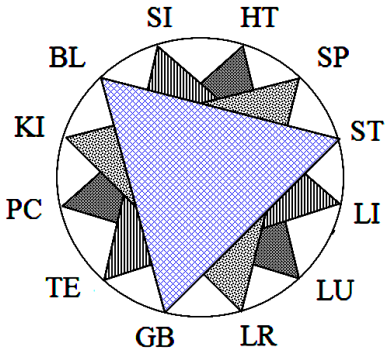
ФК(FC) - 3 = SI-TE-LI



ФК(FC) - 4 = LU-PC-HT

Мал. (Fig.) 1

Each individual complex provides a specific function aimed at maintaining the dynamic constancy of the total functionally-vegetative homeostasis. It was established that the systems of FC-1 and FC-3 belong to the group of YANG and cause a sympathetic vegetative orientation, while FC-2 and FC-4 (groups YIN) are parasympathetic. Before considering the given material, we recall that the sign of a complex vegetative orientation is its systemic synchronous, or asynchronous and paradoxical reac tions. The latter acts as a universal mechanism for the control and regulation of functional-vegetative pathogenesis ...



Мал. (Fig.) 2

Now let's consider some functional complexes and get acquainted with their vegetative orientation. For analysis the materials of functional-vegetative diagnostics in mixed age and sex group of children of junior, teenage and youthful school age are taken.

Results and discussion

CHANNELS OF THE FIRST COMPLEX (YANG - GROUP)

The first basic complex (FC-1, Fig.1) includes acupuncture channels BL-ST-GB (YAN group). In this case, in female (WG) and male (MG) groups:

- the excitation (or inhibition) of their activity forms a typical systemic dynamics of other complexes (Fig.3-5);
- according to the dynamics of k-V, the asynchronous system dependence of FC-1 forms a relatively neutral vegetative orientation;
- FC-1 and FC-2 are united by the synchronous interdependence of their basic functional systems BL-SP.

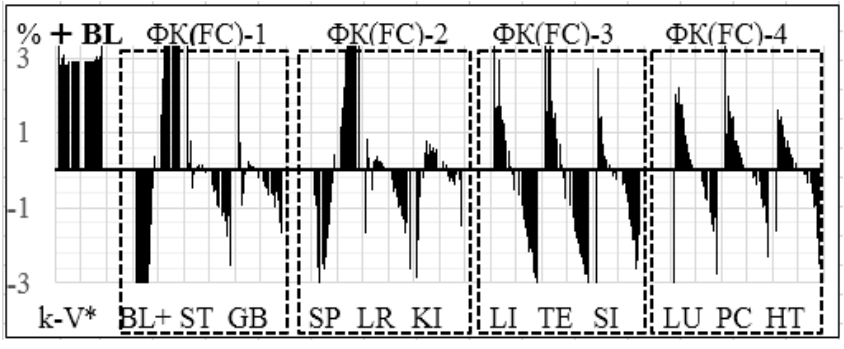
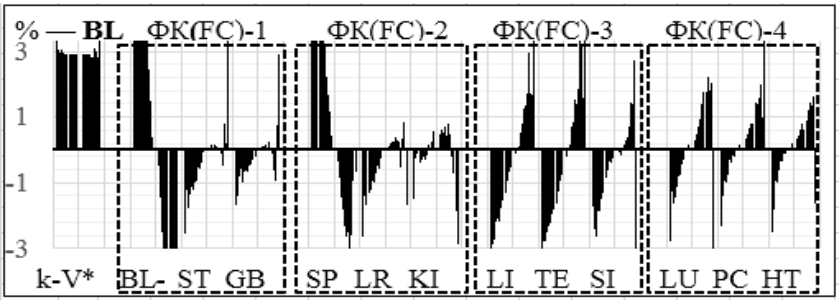
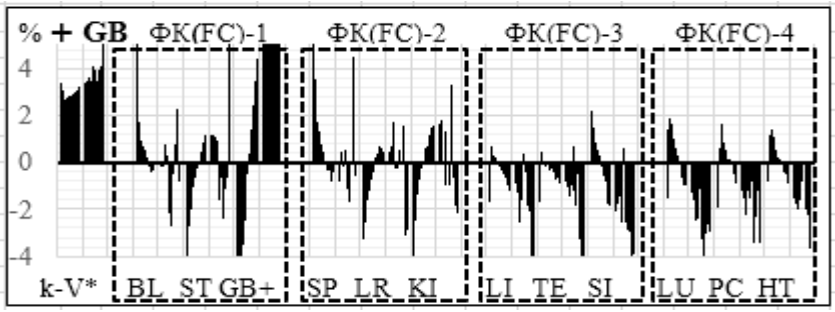


Fig.3 Vegetative orientation and system dependence at + and – BL





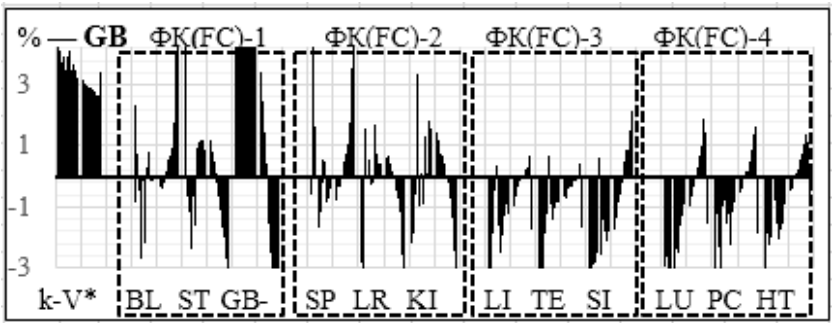
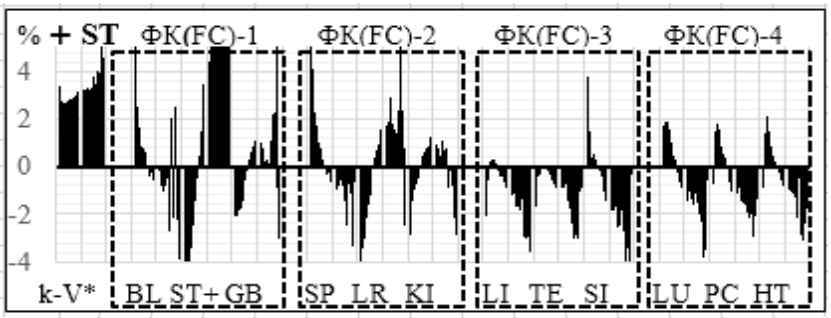


Fig.4 Vegetative orientation and system dependence at + and – **GB**



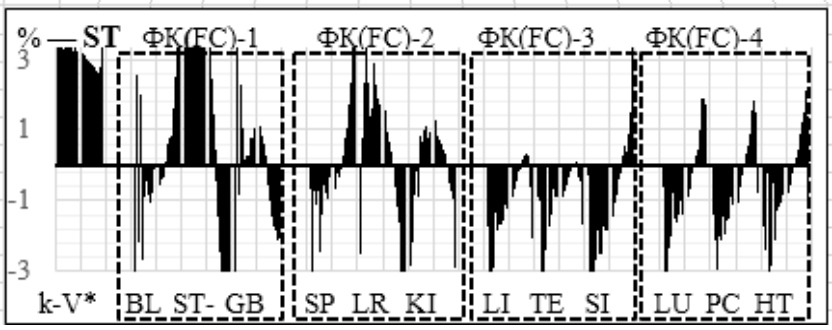


Fig. 5 Vegetative orientation and system dependence at + and – **ST**

CHANNELS OF THE OTHER COMPLEX (YIN - GROUP)

The first basic complex (FC-1, Fig.1) includes acupuncture channels BL-ST-GB (YAN group). In this case, in female (WG) and male (MG) groups:

- the excitation (or inhibition) of their activity forms a typical systemic dynamics of other complexes (Fig. 6-8);
- in dynamics k-V, the asynchronous system dependence of FC-2 forms a relatively neutral vegetative direction;
- FC-1 and FC-2 are united by the synchronous interdependence of their basic functional systems BL-SP.

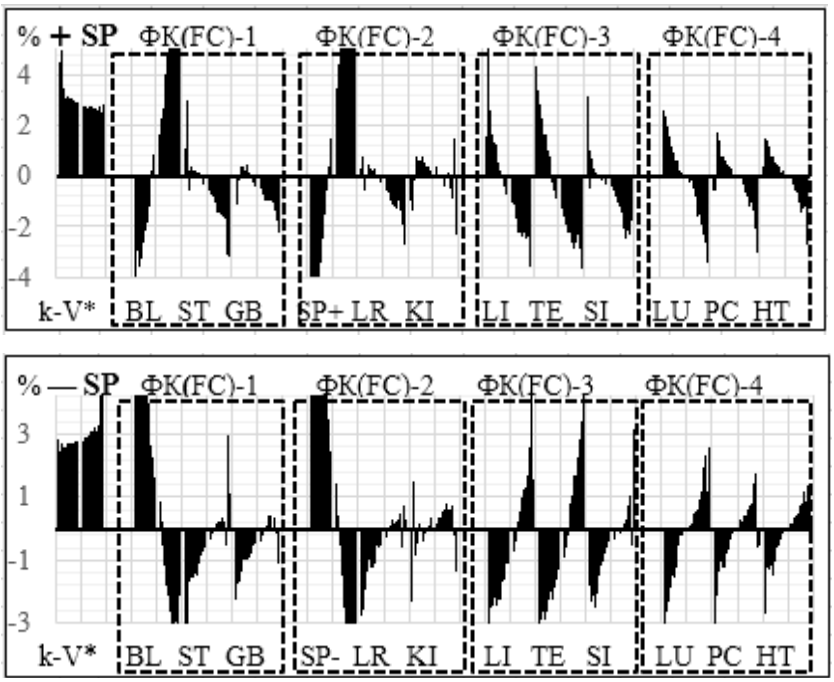


Fig.6 Vegetative orientation and system dependence at + and – **SP**

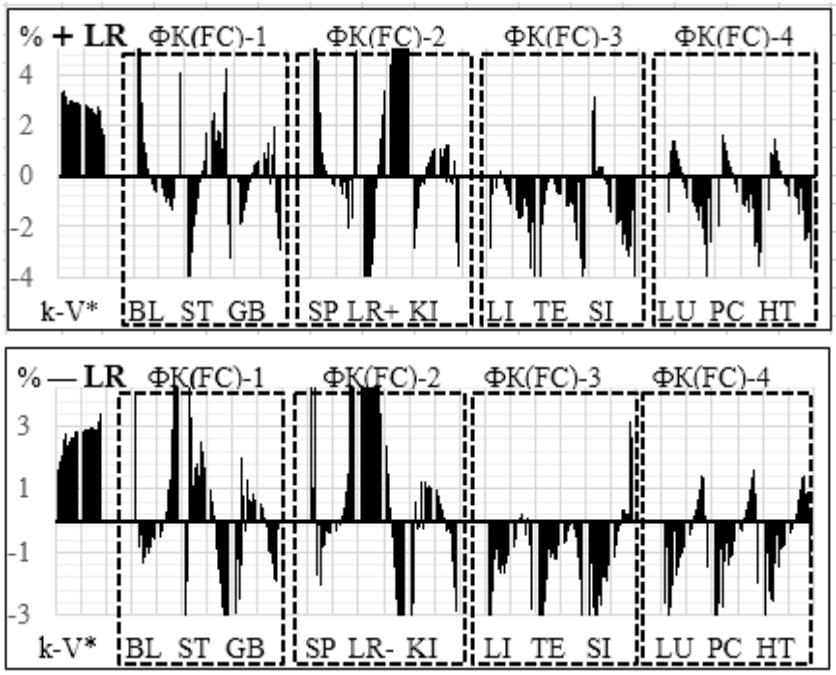


Fig.7 Vegetative orientation and system dependence at + and – **LR**

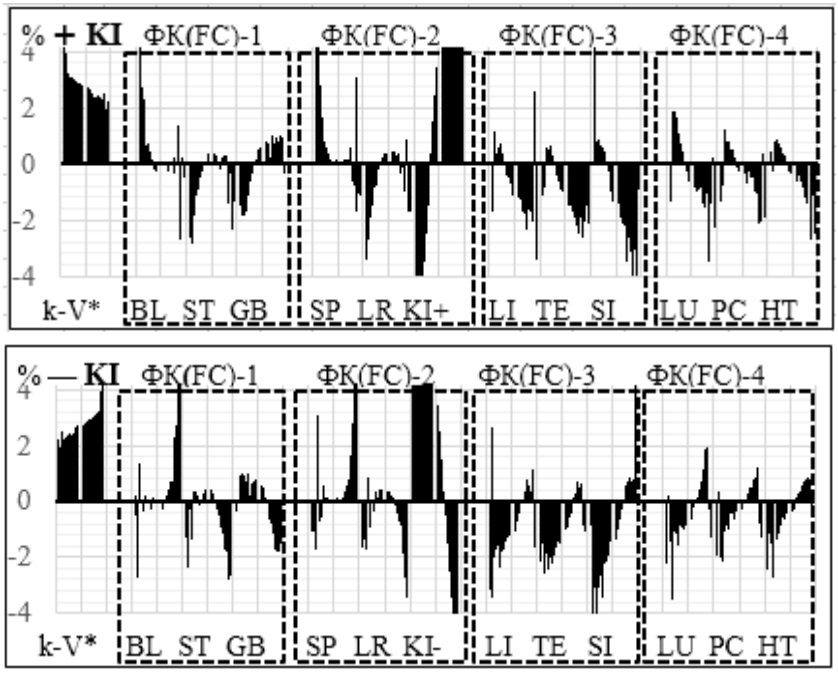


Fig.8 Vegetative orientation and system dependence at + and – **KI**

CHANNELS OF THE THIRD COMPLEX (YANG - GROUP)

The first basic complex (FC-1, Fig.1) includes acupuncture channels BL-ST-GB (YAN group). In this case, in female (WG) and male (MG) groups:

- the excitation (or inhibition) of their activity forms a typical systemic dynamics of other complexes (Fig. 9-11);
- according to the dynamics of k-V systemic excitation FC-3 forms a sympathetic vegetative orientation, and oppression - parasympathetic;
- at the same time, the excitation, or inhibition of SI, causes internal paradoxical reactions of TE-LI and systemic paradoxical reactions of FC-4, and excitation of LI paradoxical reaction from SI ...

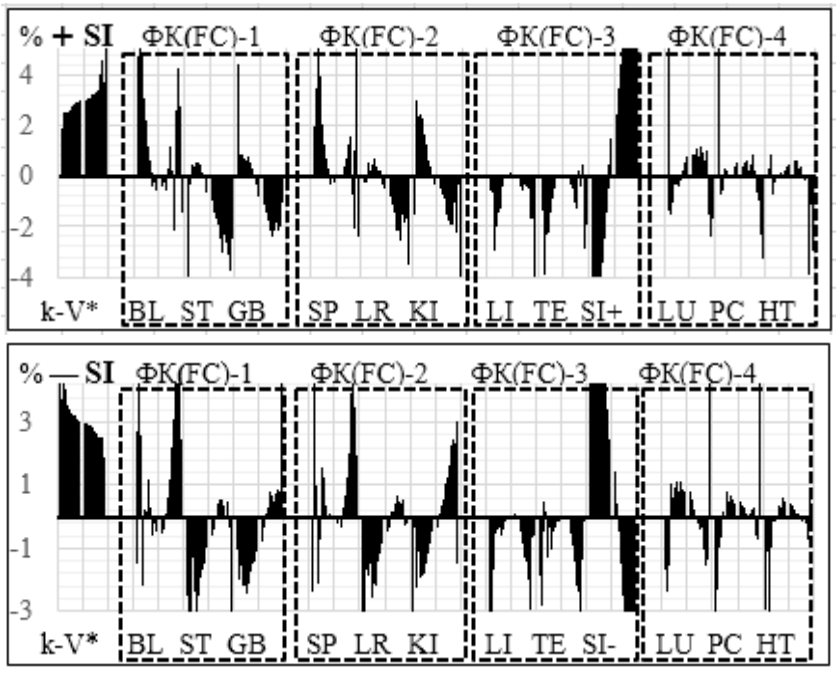


Fig.9 Vegetative orientation and system dependence at + and – **SI**

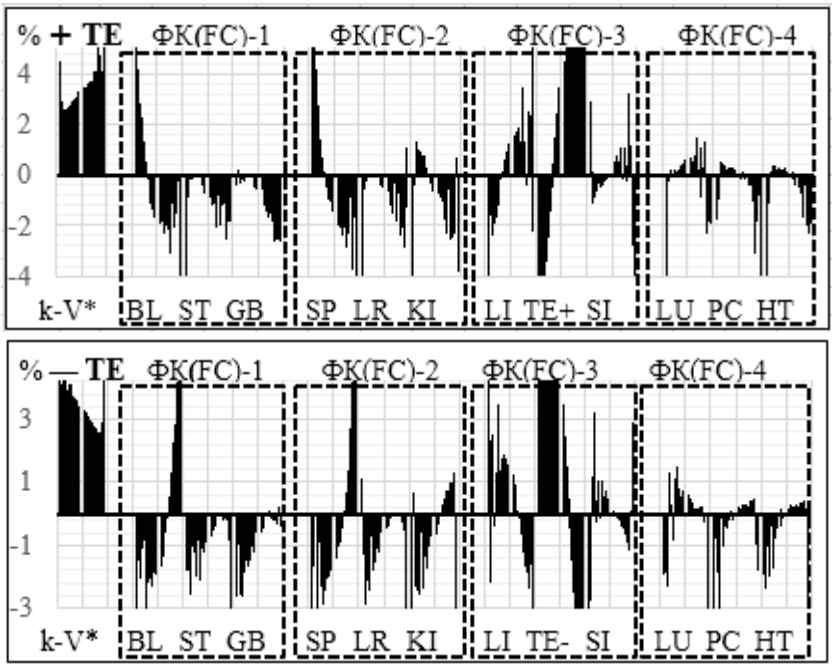


Fig.10 Vegetative orientation and system dependence at + and – **TE**

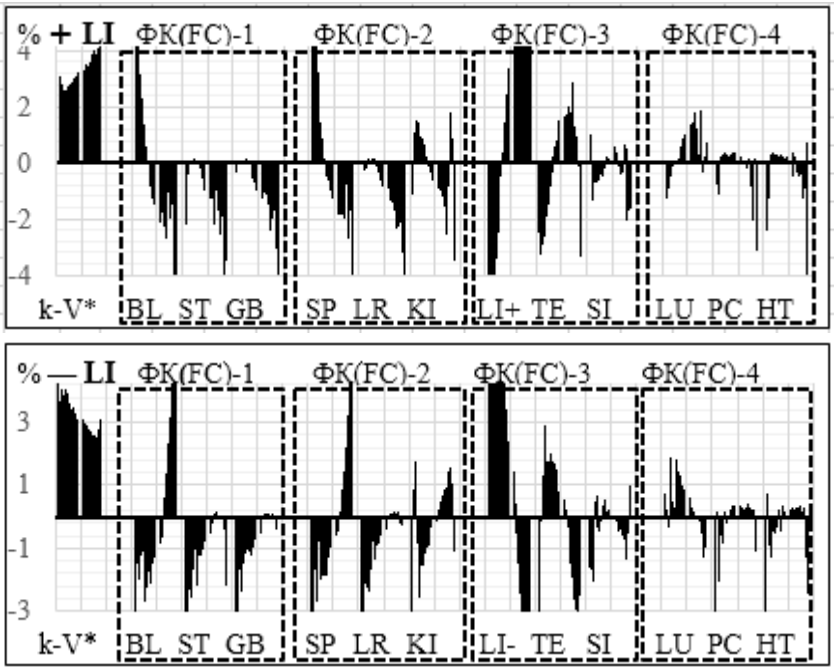


Fig.11 Vegetative orientation and system dependence at + and – **LI**

CHANNELS OF THE FOURTH COMPLEX (YIN - GROUP)

The first basic complex (FC-1, Fig.1) includes acupuncture channels BL-ST-GB (YAN group). In this case, in female (WG) and male (MG) groups:

- the excitation (or inhibition) of their activity forms a typical systemic dynamics of other complexes (Fig. 12-14);
- according to the dynamics of k-V, the systemic excitation of FC-4 forms a parasympathetic vegetative orientation, and oppression is sympathetic;
- in this case, the excitation, or suppression of LU, RS, NT causes paradoxical systemic reactions FC-3.

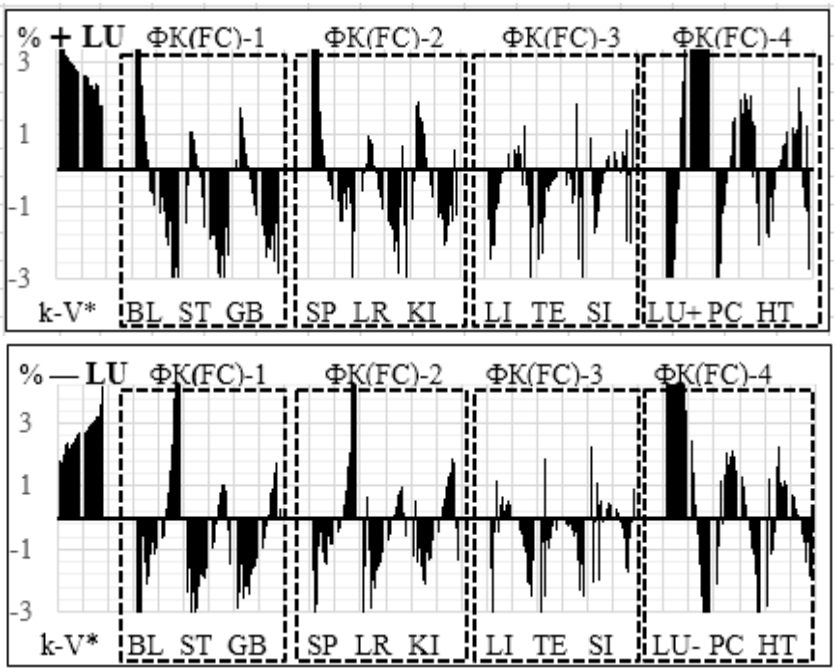


Fig.12 Vegetative orientation and system dependence at + and – **LU**

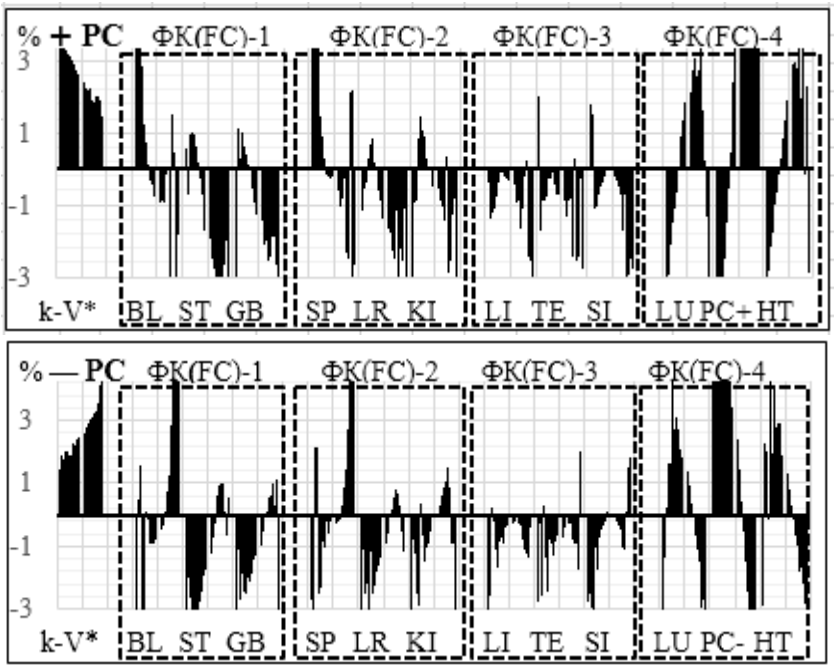


Fig.13 Vegetative orientation and system dependence at + and – **PC**

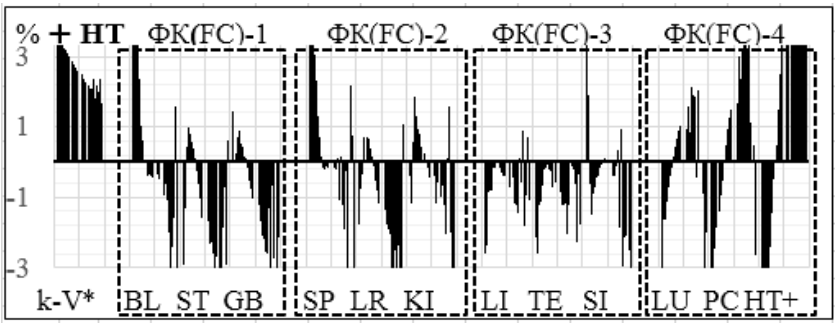
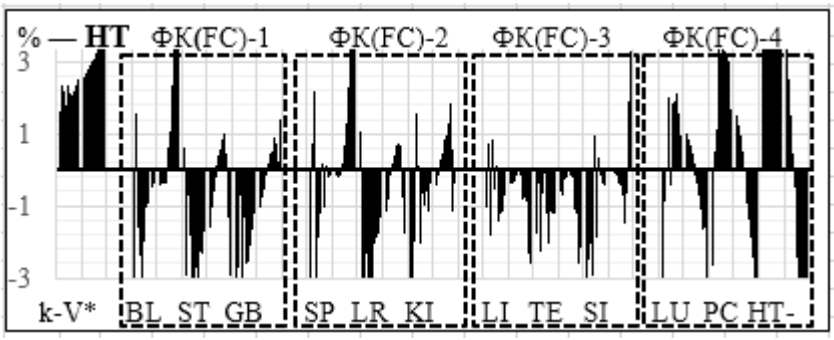


Fig.14 Vegetative orientation and system dependence at + and – **HT**

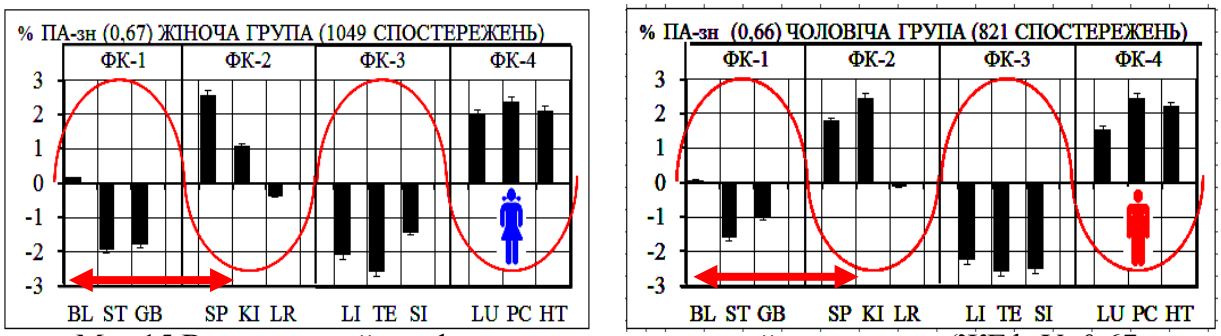


Biophysical reality of complex "vegetative profiles"

Detailed analysis of the previous material allowed to reveal the phenomenon of "Functional-vegetative profiles" (VP). His reality testifies to the following:

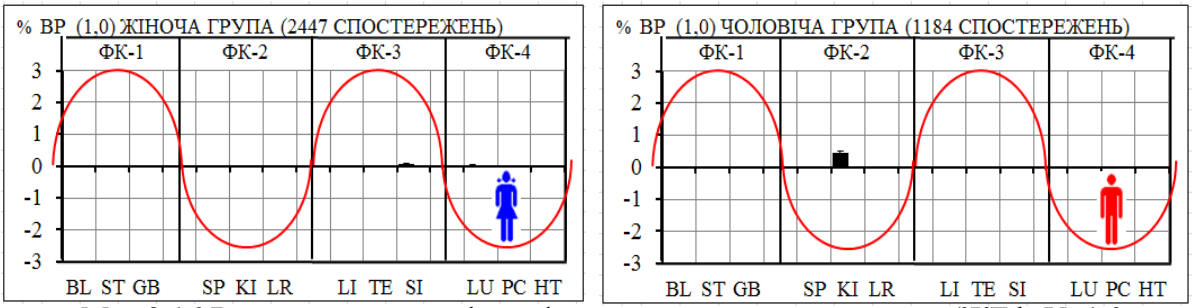
- the growth of parasympathetic inhibition depends on the activity of the Yin group (SP-LR-KI, LU-PC-HT,). In this case, the leading value is the system SP;
- the growth of sympathetic excitation depends on the activity of the functional systems of the group Yang (BL-GB-ST, SI-TE-LI). In this case, the leading value is the BL system;
- structure of functional-vegetative profiles of parasympathetic and sympathetic orientation is mirrorly opposite;
- vegetative profiles in the female (WG) and male (MG) groups are identical, indicating a functional pattern;
- the structure of functional-vegetative profiles indicates the level of vegetative violation.

Now consider the functional-vegetative profiles of the sympathetic (CA) and parasympathetic (PA) activity in the female (9.947 cases) and male (5.492) groups (fig. 15-17).



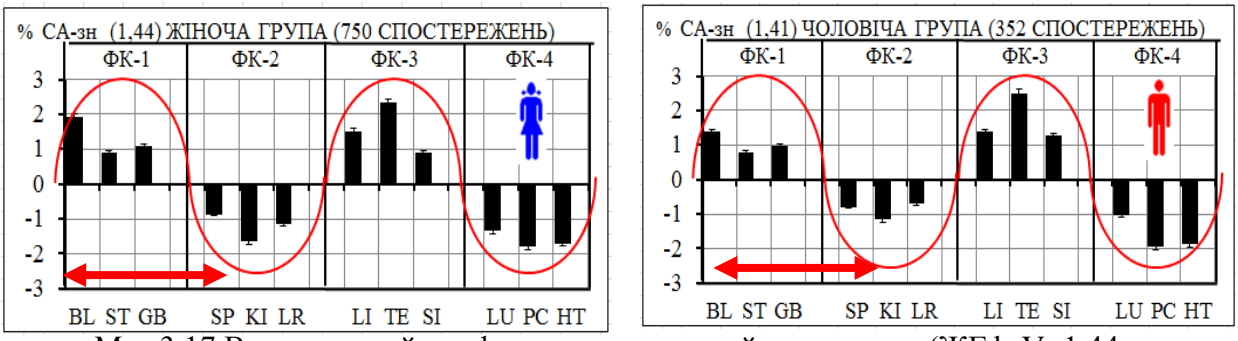
Мал.15 Вегетативный профиль парасимпатической активности (ЖГ k-V=0,67; МГ k-V=0,66)

Fig.15 Vegetative profile of parasympathetic activity (WG K-V = 0.67; MG k-V = 0.66)



Мал.3.16 Вегетативный профиль функционального равновесия (ЖГ k-V=1,0; МГ k-V=1,0)

Fig. 3.16 Vegetative profile of functional equilibrium (WG K-V = 1.0; MG k-V = 1.0)



Мал.3.17 Вегетативный профиль симпатической активности (ЖГ k-V=1,44; МГ k-V=1,41)

Fig. 3.17 Vegetative profile of sympathetic activity (WG K-V = 1.44; MG k-V = 1.41)

The comparative analysis of the above histograms points to four essential positions:

- Parasympathetic orientation of vegetative homeostasis forms the advantage of SP activity over BL (Fig. 15, indicated by an arrow).

- the sympathetic orientation of vegetative homeostasis forms the advantage of BL activity over SP (Fig. 17, indicated by an arrow).

- Vegetative profiles of parasympathetic and sympathetic activity are diametrically opposed (Fig. 15-17). Their vegetative coefficients (k-V) indicate the level of autonomic violations ...

- In each functional complex (FC) there are main and dependent driving systems. The main ones are BL (FC-1) and SP (FC-2), but dependent - ST (FC-1), KI (FC-2), TE (FC-3) and PC (FC-4), as indicated by the advantage of their intra-complex activity.

Conclusions and perspectives of development

1. Functional orientation of systemic activity forms four vegetative complexes: FC-1 (BL-ST-GB), FC-2 (SP-KI-LR), FC-3 (LI-TE-SI) and FC-4 (LU- PC-HT). Their biophysical reality is noted in all observation groups.

2. Functional complexes form the opposite vegetative dependence: the channels of the FC-1 Yang group (BL-ST-GB) and FC-3 (LI-TE-SI) provide a sympathetic orientation of the vegetative homeostasis, and the channels of the Yin-group of FC-2 (SP- KI-LR) and FC-4 (LU-PC-HT) - parasympathetic.

3. Vegetative profiles indicate the state of vegetative equilibrium and indicate the superiority of sympathetic or parasympathetic activity (with a vegetative equilibrium, the system profile is in the permissible "zone-0").

4. The structure of "Functional-vegetative profiles" indicates the level of autonomic violations and the dynamics of k-V shows the rehabilitation efficiency.

5. Functional-vegetative diagnostics by the method of V.Makats is expedient in the controlled rehabilitation of vegetative disorders.

References:

1.*Крюк Э.* Современная концептуальная модель энергоинформационного взаимодействия // Бинар Аура Z., 1977, №3 с.14-17.

2. *Лувсан Г.* Очерки методов восточной рефлексотерапии (под редакцией проф. В.Н. Цибуляка и проф. И.З. Самосюка) // К., "Здоров'я", 1992. с.84-93.

Luvsan G. Essays on the methods of eastern reflexotherapy (edited by Prof. V.N. Tsibulyak and Prof. I.Z. Samosyuk) // K., "Zdorovya", 1992. 231S.

3.*Макац В., Макац Є.* Невідома китайська голкотерапія (реальність, помилки, проб-леми) Том I // Україна, Вінниця: видавництво "Наукова ініціатива", редакція Нілан-ЛТД, 2016, 276 с. ISBN 978-966-2932-80-5

Makats V., Makats E. Unknown Chinese acupuncture (reality, errors, problems). v Vol. i // Ukraine, Vinnytsia: "Naukova initsiatyva", editorial office "Nilan LTD", 2016, 276 P. ISBN 978-966-2932-80-5

4.*Макац В., Макац Є.* Невідома китайська голкотерапія (біофізичний атлас системної залежності) Том II // Україна, Вінниця: видавництво "Наукова ініціатива", редакція Нілан-ЛТД, 2016, 204 с. ISBN 978-966-2932-80-5

Makats V., Makats E. Unknown Chinese acupuncture (biophysical atlas of systemic dependency). Vol. II // Ukraine, Vinnytsia: "Naukova initsiatyva", editorial office "Nilan LTD", 2016, 204P. ISBN 978-966-2932-80-5

5.*Макац В., Нагайчук В., Макац Є.* Невідома китайська голкотерапія (проблеми функціональної вегетології) Том III // Україна, Вінниця: видавництво "Наукова ініціатива", редакція Нілан-ЛТД, 2017, 204С. ISBN 978-966-2932-80-5

Makats V., Nahaychuk V., Makats E. Unknown Chinese acupuncture (problems of functional vegetales). Vol. III // Ukraine, Vinnytsia: "Naukova initsiatyva", editorial office "Nilan LTD", 2017, 204P. ISBN 978-966-2932-80-5

6.*Макац В., Нагайчук В., Макац Є., Єрмішев О.* Невідома китайська голкотерапія (проблеми вегетативного патогенезу) Том IV // Україна, Вінниця: видавництво "Наукова ініціатива", редакція Нілан-ЛТД, 2017, 286С. ISBN 978-966-2932-80-5

Makats V., Nahaychuk V., Makats E., Yermyshev O. Unknown Chinese acupuncture (problems of vegetative pathogenesis). Vol. IV // Vinnytsia: "Naukova initsiatyva", editorial office "Nilan LTD", 2017, 286P. ISBN 978-966-2932-80-5

7.*Тихоплав В., Тихоплав Т*. Жизнь напрокат//ИД-"ВЕСЬ", Санкт-Петербург, 2002.с.67

8.*Шуман В.О.* Про безвихідні коливання провідної сфери, оточеної повітряним шаром та іоносферною оболонкою // Zeitschrift und Naturfirschung 7a, 1952, s.49-154

*Schumann W.O., Über die strahlungslosen Eigenschwingungen einer leitenden Kugel, die von einer Luftschicht und einer Ionosphärenhülle umgeben ist // Zeitschrift und Naturforschung **7a**, 1952, s.149-154*

9.*Шуман В.О.* Про ослаблення електромагнітних коливань системи "Земля-повітря-іоносфера" // Journal and Naturfirsch 7a, 1952, s.250-252

*Schumann W.O. Über die Dämpfung der elektromagnetischen Eigenschwingungen des tems "Erde-Luft-Ionosphäre" // Zeitschrift und Naturfirschung **7a**, 1952, s.250-252.*

10.*Шуман В.О.* Про розповсюдження довгих електромагнітних хвиль при сигналах блискавки // Nuovo Cimento 9, 1952, с.1116-1138. DOI:10.1007/BF02782924

*Schumann W.O. Über die Ausbreitung sehr Langer elektriseher Wellen um die Signale des Blitzes // Nuovo Cimento **9**, 1952, p.1116-1138. DOI:10.1007 /BF 02782924*

Internet resources

11. http://ruslekar.info/Rezonans-SHumana...4947.html
12. http://новости.ru-an.info
13. http://www.insiderrevelations.ru/forum/forum18/topic2809/