



*School professors Vladimir Makats (Ukraine).  
Initial course of remote training of doctors  
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Correction of vegetative infringements at children".*

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76.29.47-pediatrics; 76.35.35-rehabilitation;  
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*... According to recommendations the CART of one of  
bases of medicine at the present stage should become  
electro diagnostics on points of acupuncture and reflex-  
otherapy ... [the International meeting the CART on  
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**VEGETATIVE PROBLEMS CHZHEN-TSZJU OF THERAPY.  
LAWS AND PROFILES OF THE FUNCTIONAL HOMEOSTASIS  
(Message -16).**

Makats V.G.

Vinnitsa branch of the State enterprise of scientific research institute of medicine  
of transport of Ministry of Health of Ukraine (the cooperating center the WHO).

21036, Ukraine, Vinnitsa, Revolutionary 26/3, [dr.makats@yandex.ru](mailto:dr.makats@yandex.ru) [dr.makats@i.ua](mailto:dr.makats@i.ua)

**The resume.** Materials on the developed vegetative profiles of functional health are resulted. Laws of biophysical balance are formulated. The fourth conclusion about vegetative essence of Chinese Chzhen-tszju of therapy is proved.

**Keywords.** Chzhen-tszju therapy, vegetative Laws, vegetative profiles of functional health, system dependence.

**The short preface.** Lecture "Vegetative problems of Chzhen-tszju of therapy. Laws and profiles of a vegetative homeostasis" it is devoted the unknown person before Is functional-vegetative system of the person ( $\Phi BC$ ) and is a fragment of proofs of its biophysical reality. In lecture following designations of channels of the acupuncture (meridians) are used, traditional *органное* which name is presented today by concept about interdependent functional systems: LU - lungs; LI-thick intestines; a ST-stomach; a SP-spleen (pancreas); HT-heart; SI-small intestines; a BL-bladder; KI-kidneys; a PC pericardium; a TE-threefold heater (lymphatic system); a GB-gall bladder and a LR-liver.

Following symbols of indicators of a vegetative homeostasis are in addition entered: **Sc** – a zone of considerable sympathetic activity; **Se** – a zone of the expressed sympathetic activity; **FiS** – a zone of functional indemnification of sympathetic activity; **VB** – a zone of vegetative balance; **FiP** – a zone of functional indemnification of parasympathetic activity; **Pe** – a zone expressed parasympathetic activity; **Pc** – a zone considerably parasympathetic activity.

Analogs the presented experimental materials aren't present.

**Research objective** - the information of the scientific and medical public on the unknown person before Is functional-vegetative system of the person. Open phenomena confirm a biophysical reality of channels of acupuncture (meridians) of traditional Chzhen-tszju of therapy, its system character and the direct relation to a vegetative homeostasis. Biophysical audit of traditional positions specifies in a number of theoretical and practical errors that demands additional specialization of experts and corresponding correction of curriculums.

**Materials and research methods.** Supervision over functional (vegetative) health of the children's population of Ukraine were spent under the Program "System of two stages of rehabilitation of vegetative infringements at children living in a zone of radiating control of Ukraine" (Commissions of the Cabinet of Ukraine №1861/4 and №12010/87)" on the basis of an original method of vegetative biodiagnostics (on V.Makats) [1-2; 4-9; 15-16]. Its methodology is proved by unknown earlier biophysical phenomena, has original standard base and is characterized by comparability of the received results at repeated researches. Under the Program it is surveyed more than 18.000 children of a different floor and age.

**Results of research and their discussion.** It is established that functional systems of group the YIN (LU-SP-PC-HT-LR-KI) form parasympathetic activity VNS, and groups JAN (LI-ST-TE-SI-GB-BL) - sympathetic. Thus, according to the traditional concept, PC and TE are drivers of a rhythm in corresponding functional complexes (FK) that has caused a question on their value in formation of a vegetative homeostasis.

#### FUNCTIONAL ACTIVITY OF CHANNELS PC-TE (COMPLEX DEPENDENCE).

It is established (fig. 1, 4) that excitation PC and TE it is accompanied by expressed total oppression FK-1 (SP-BL) and FK -4 (ST-KI-GB-LR). Thus the minimum activity PC and TE is in a zone of vegetative balance. The opposite orientation of total reaction FK -2 (LI-TE-SI) on excitation TE (fig. 2) and FK -3 (LU-PC-HT) on excitation PC (fig. 3) is found out. It is indicative that growth of activity PC causes parasympathetic, and TE - a nice orientation of a vegetative homeostasis.

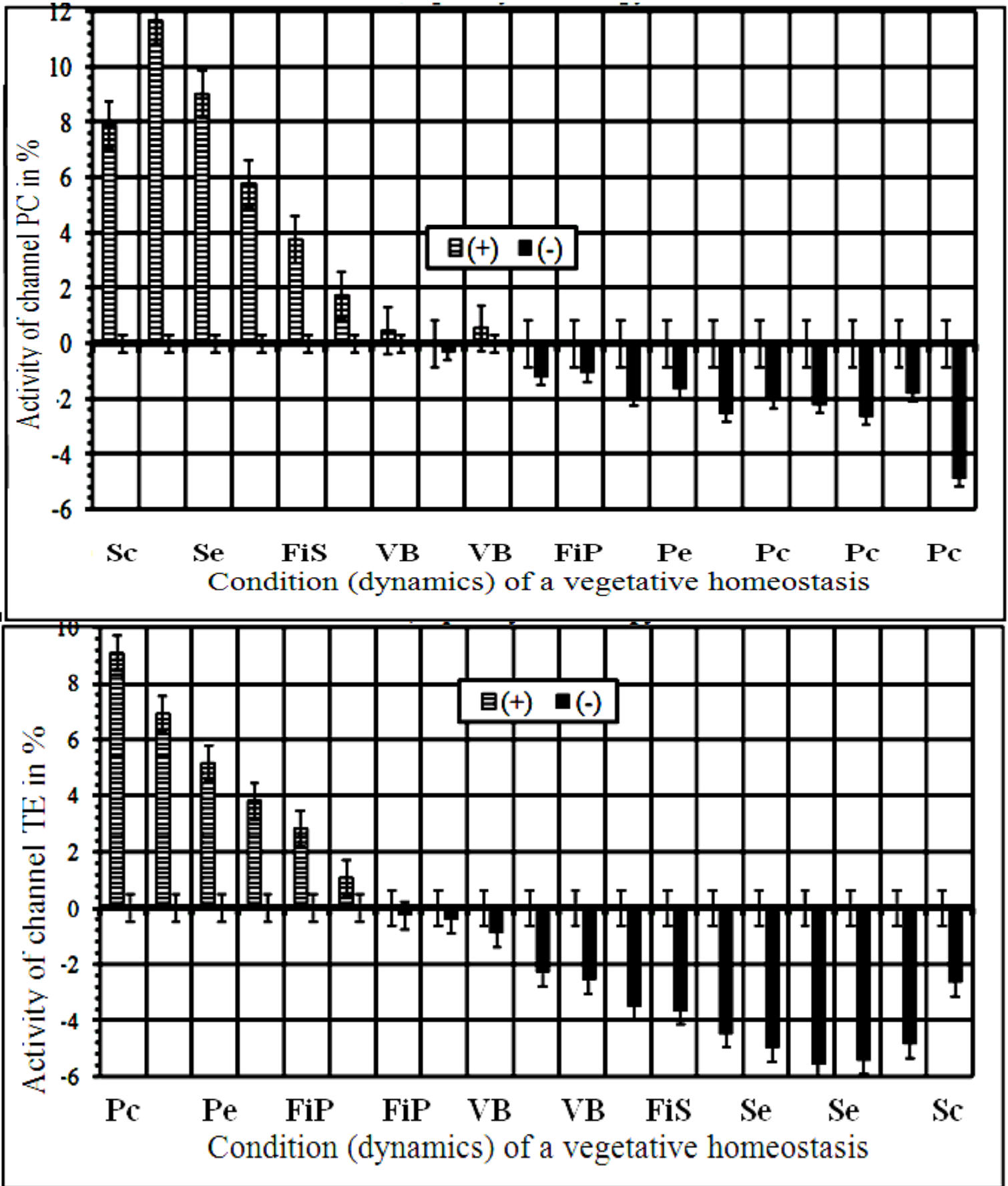


Fig.1 FK -1 (SP-BL): vegetative dependence on activity of systems PC and TE.

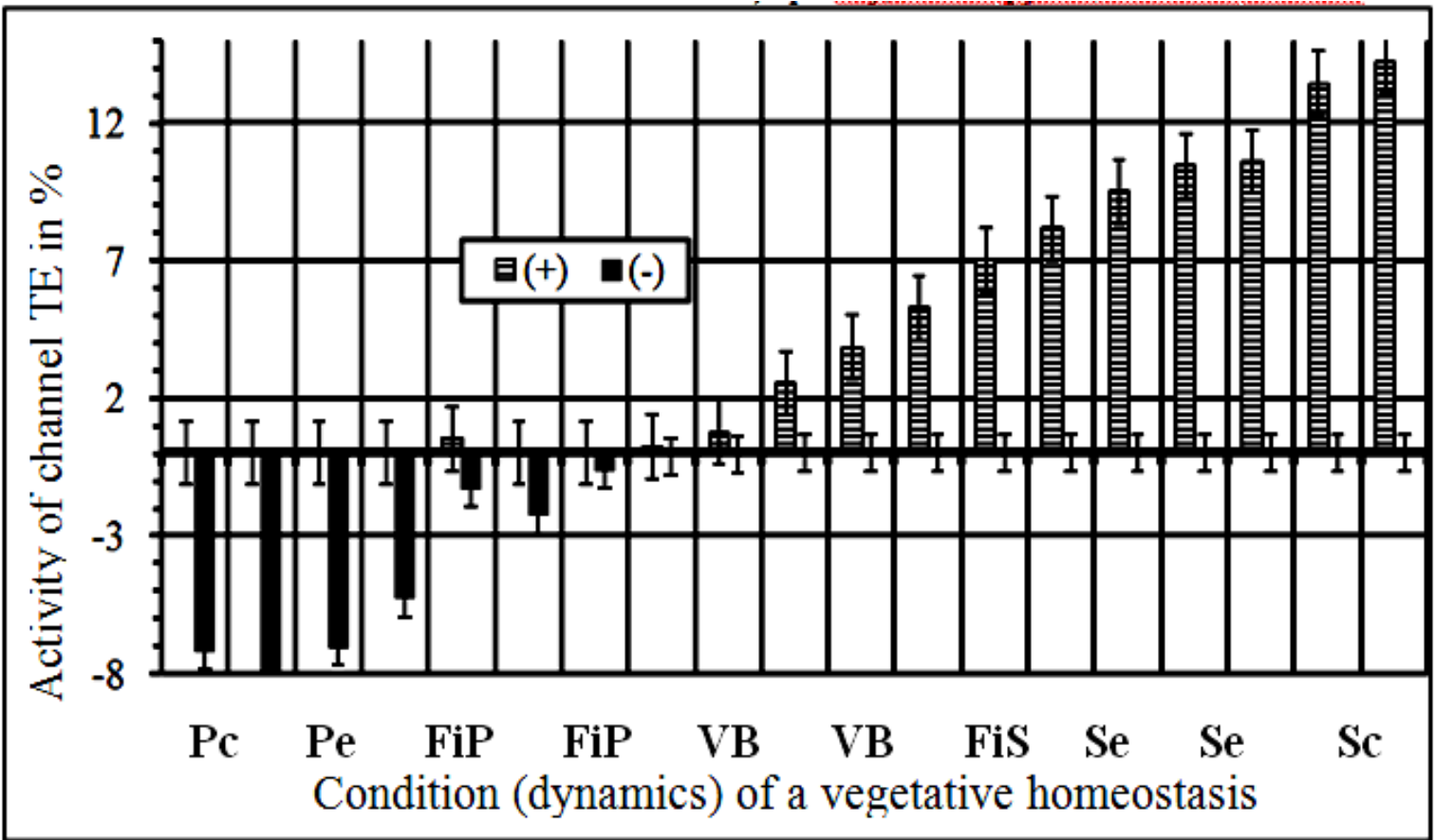
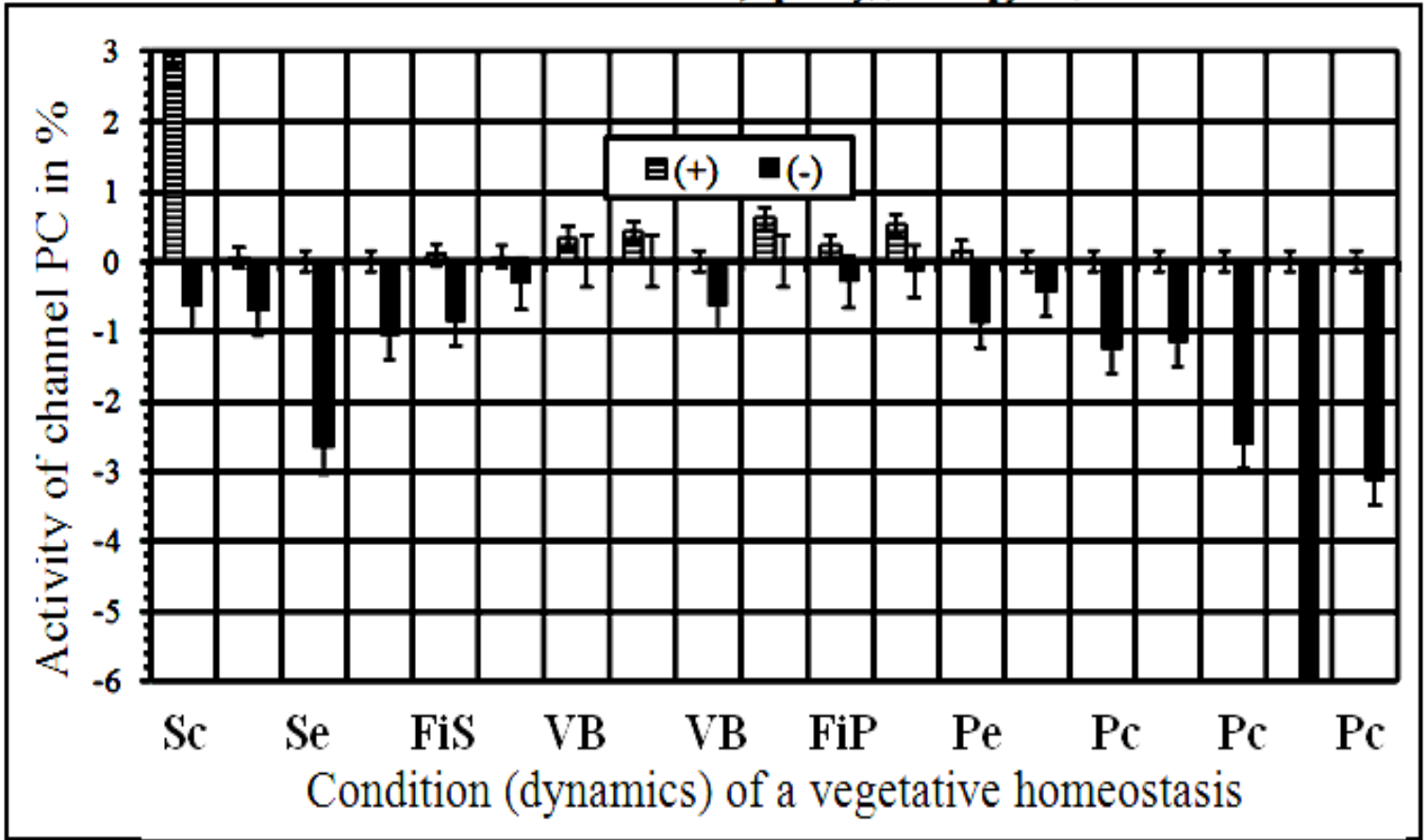


Fig.2  $\Phi$ K-2 (LI-TE-SI): vegetative dependence on activity of systems PC and TE.

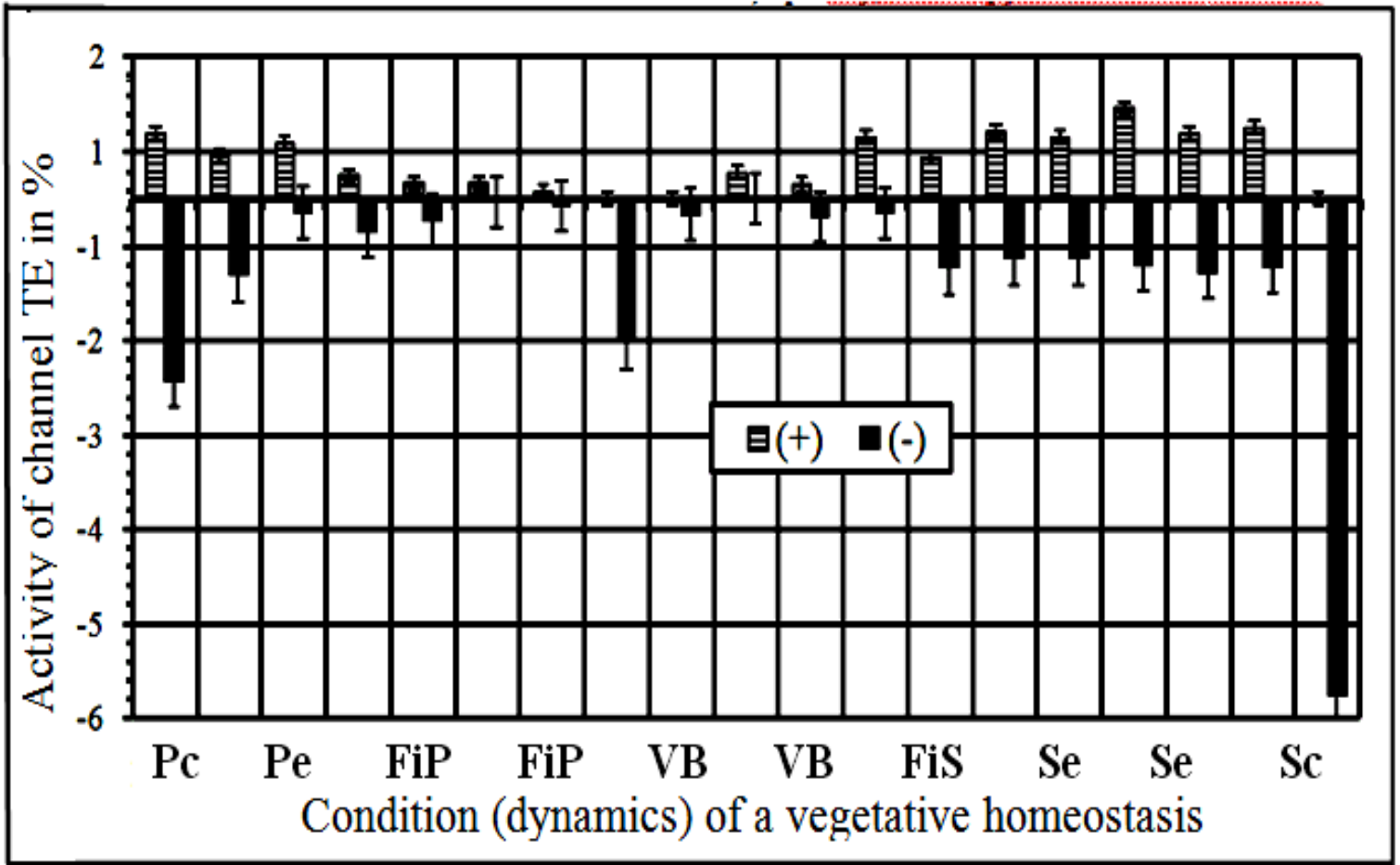
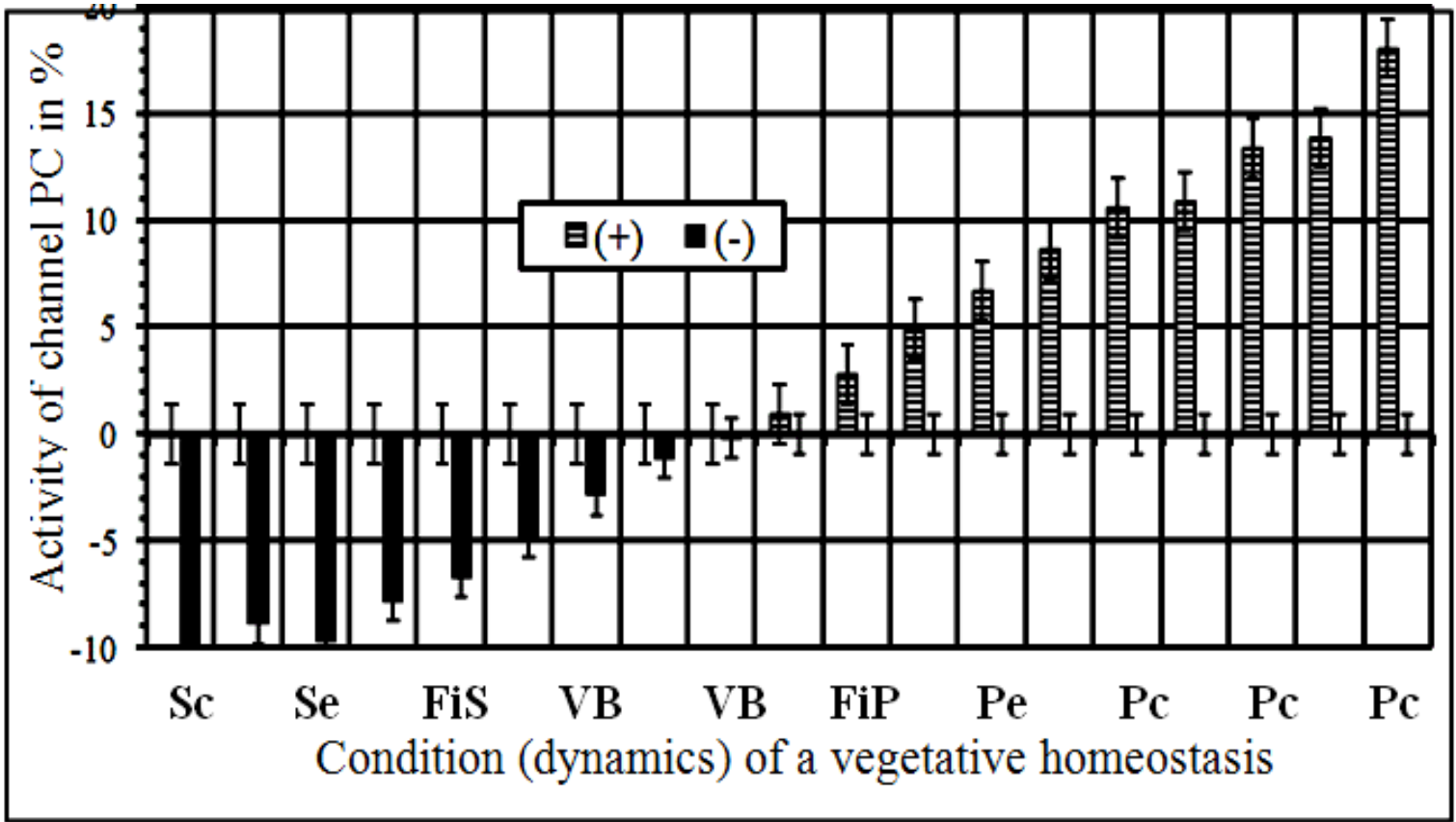


Fig.3  $\Phi$ K-3 (LU-PC-HT): vegetative dependence on activity of systems PC and TE.

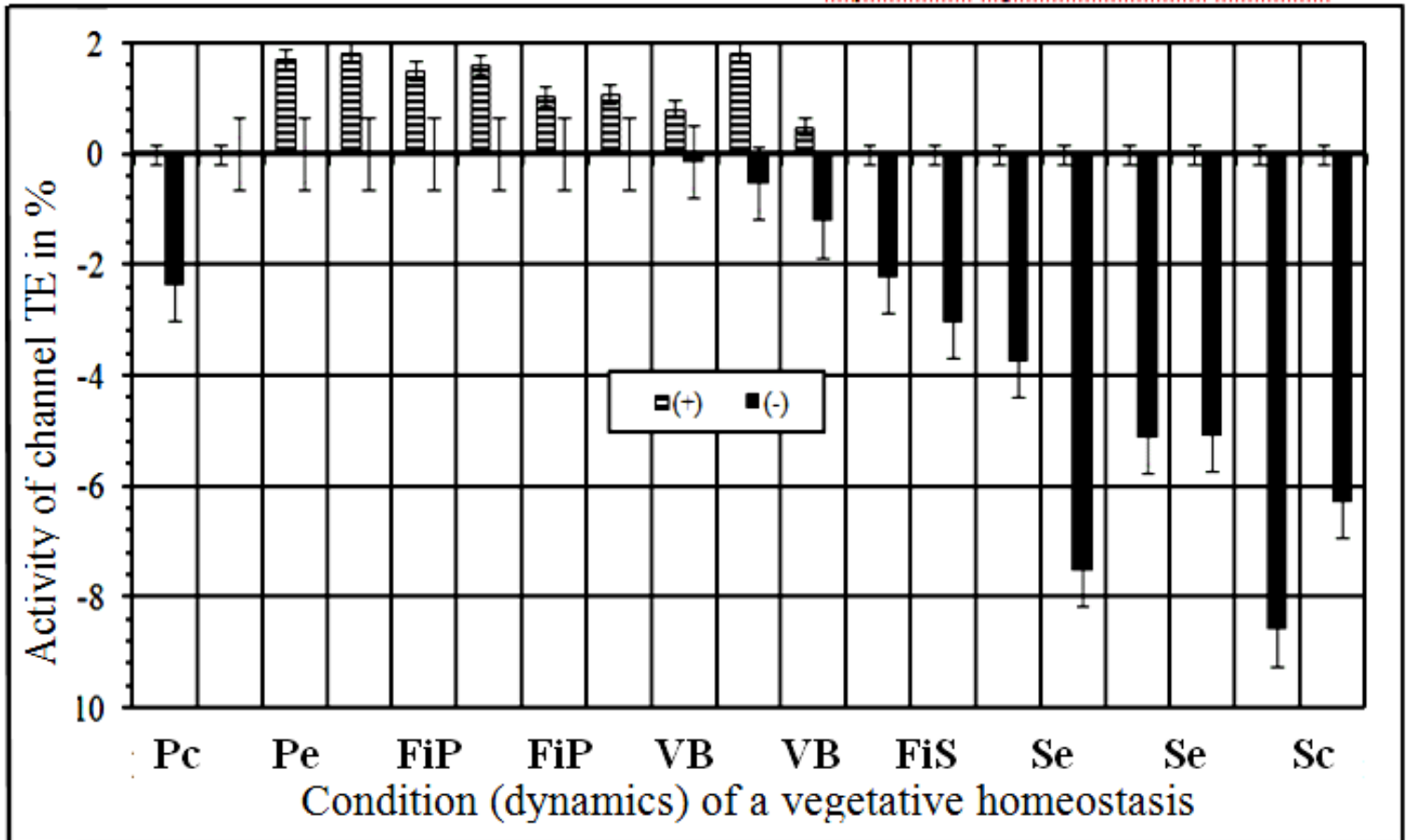
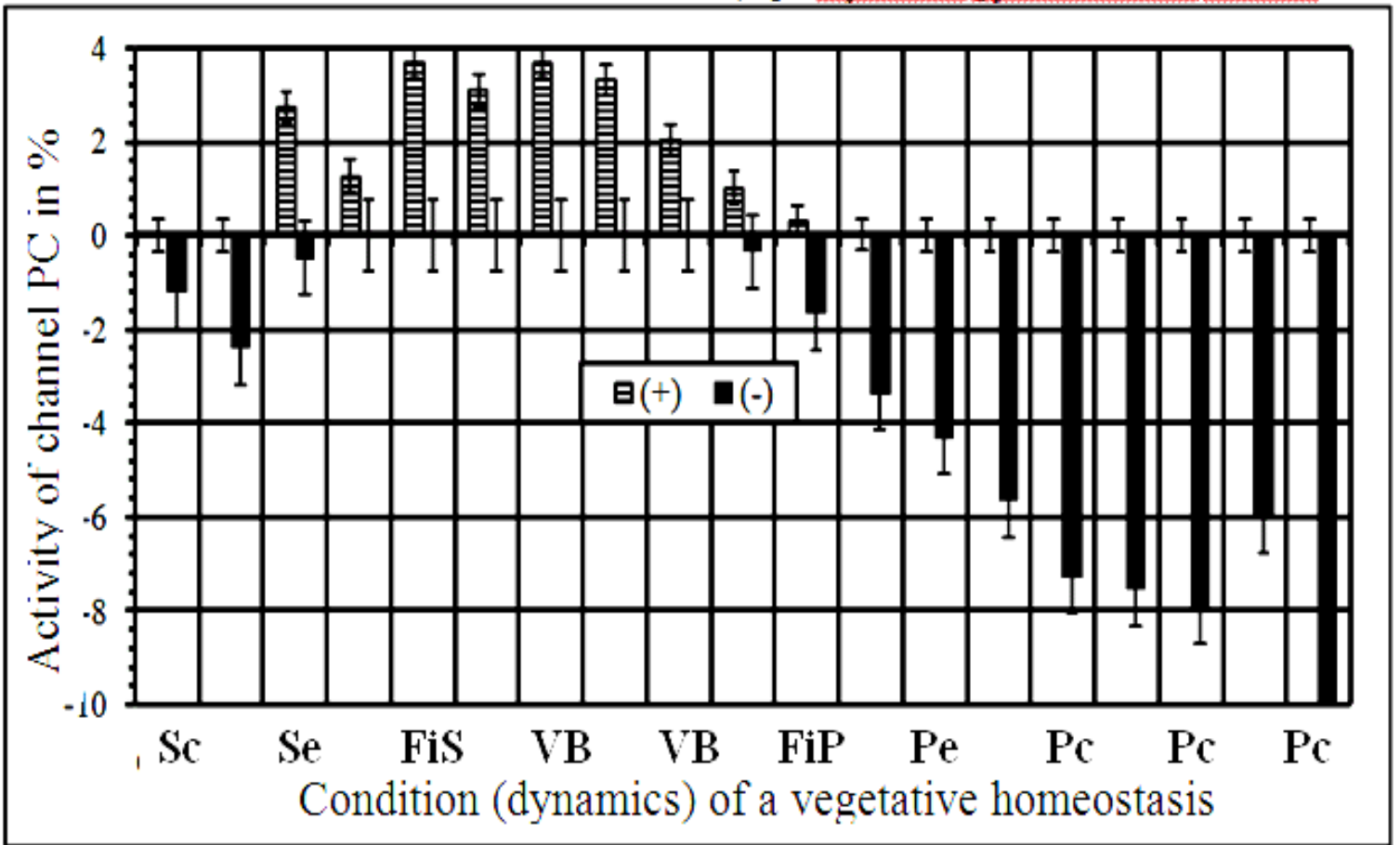


Fig.4  $\Phi$ K-4 (ST-KI-GB-LR): vegetative dependence on activity of systems PC and TE.

There is a question on value of total activity of separate functional complexes in formation of a vegetative homeostasis?

#### VEGETATIVE PROFILES OF COMPLEXES, AS DISPLAY OF THE VEGETATIVE HOMEOSTASIS

The analysis of channel interdependence has found out four functional complexes (FK) systems with the same directed reaction and specific vegetative profiles of vegetative balance. They are formed by following functional systems: FK-1 (SP-BL); FK -2 (LI-TE-SI); FK -3 (LU-PC-HT) and FK -4 (ST-KI-GB-LR).

**Vegetative profile of the first functional complex.** It is established that in both groups of supervision excitation FS SP causes gradually accruing level of parasympathetic oppression (development the YIN of a syndrome), and increase of activity FS BL, on the contrary, gradually accruing level of sympathetic excitation - development JAN of a syndrome (fig. 5a-b).

The found out specificity разнонаправленных reactions of functional systems of the first complex is clear from positions of their traditional accessory to JAN (BL) and the YIN (SP) to groups.

Thus attracts attention the following.

- 1) Activity of both systems always the synchronous.
- 2) Both systems first of all influence the fourth functional complex (ST-KI-GB-LR), thus besides ST-GB concern to JAN to group, and LR-KI group the YIN.
- 3) Influence both FS is caused by their excitation above a zone of functional norm ...

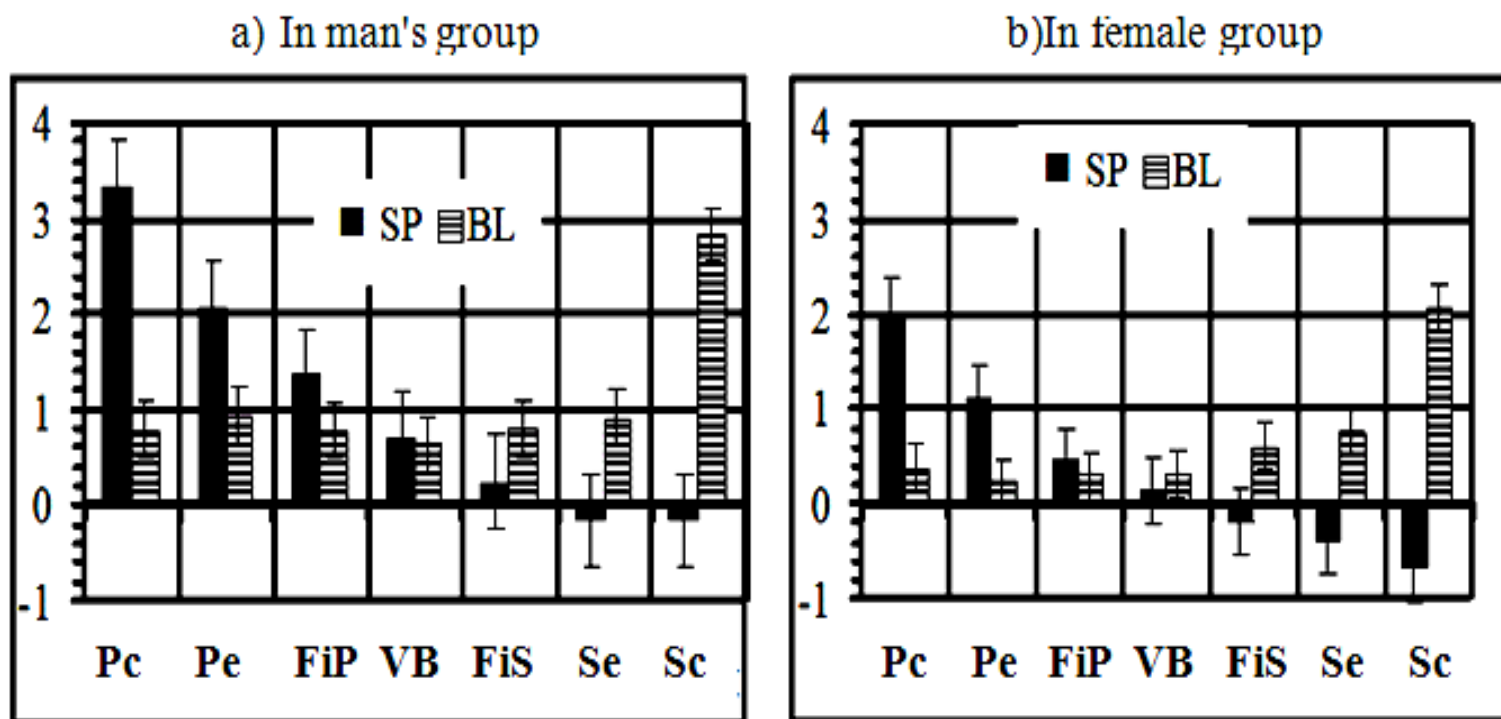


Fig. 5 Vegetative profiles of the first functional complex

**Vegetative profile of the second functional complex.** Accruing dynamics of functional systems of the second complex (LI-TE-SI) unequivocally causes growth of the general nice activity that coincides with their accessory to group of Jan-systems (fig. 6 a-b).

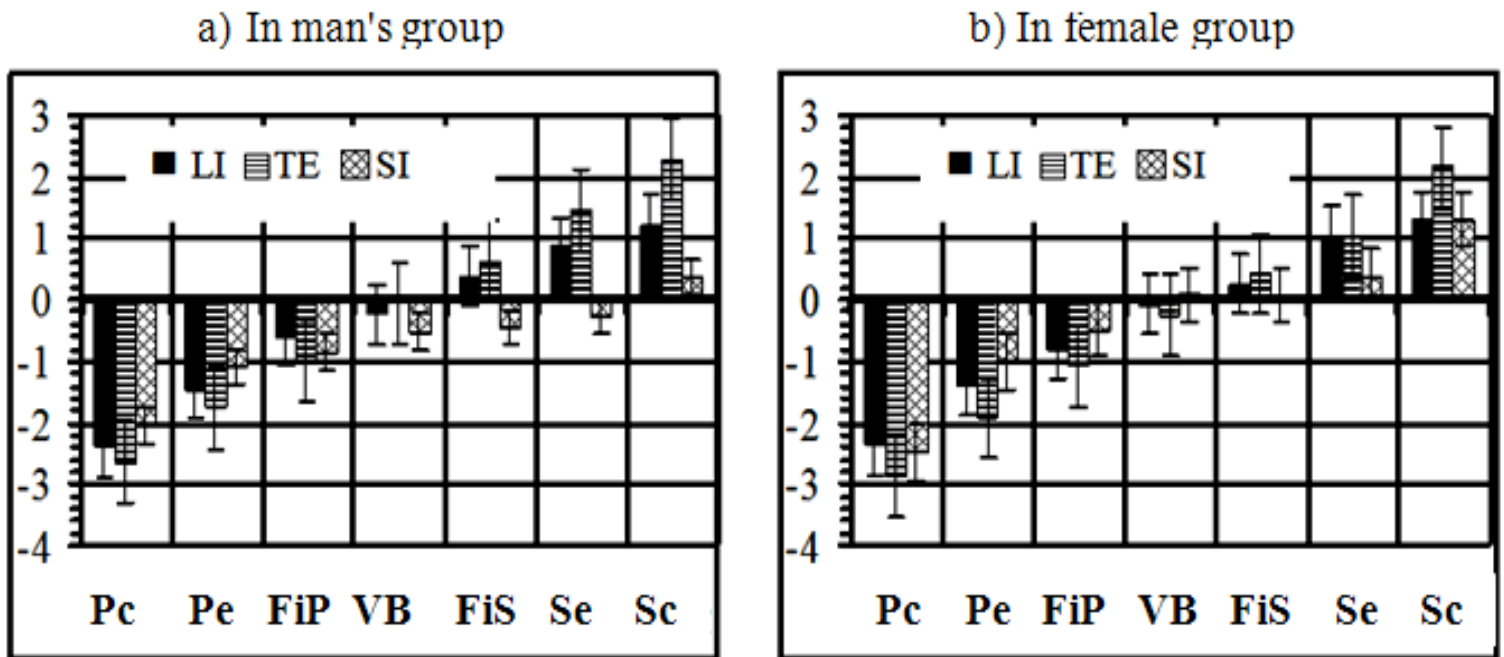


Fig. 6 Vegetative profiles of the second functional complex

**Vegetative profile of the third functional complex.** In counterbalance FK-2, the third functional complex (LU-PC-HT) excitation of the activity causes it is expressed accruing parasympathetic oppression (fig. 7a). The specified orientation has accurately opposed to a vegetative profile functional systems FK-2.

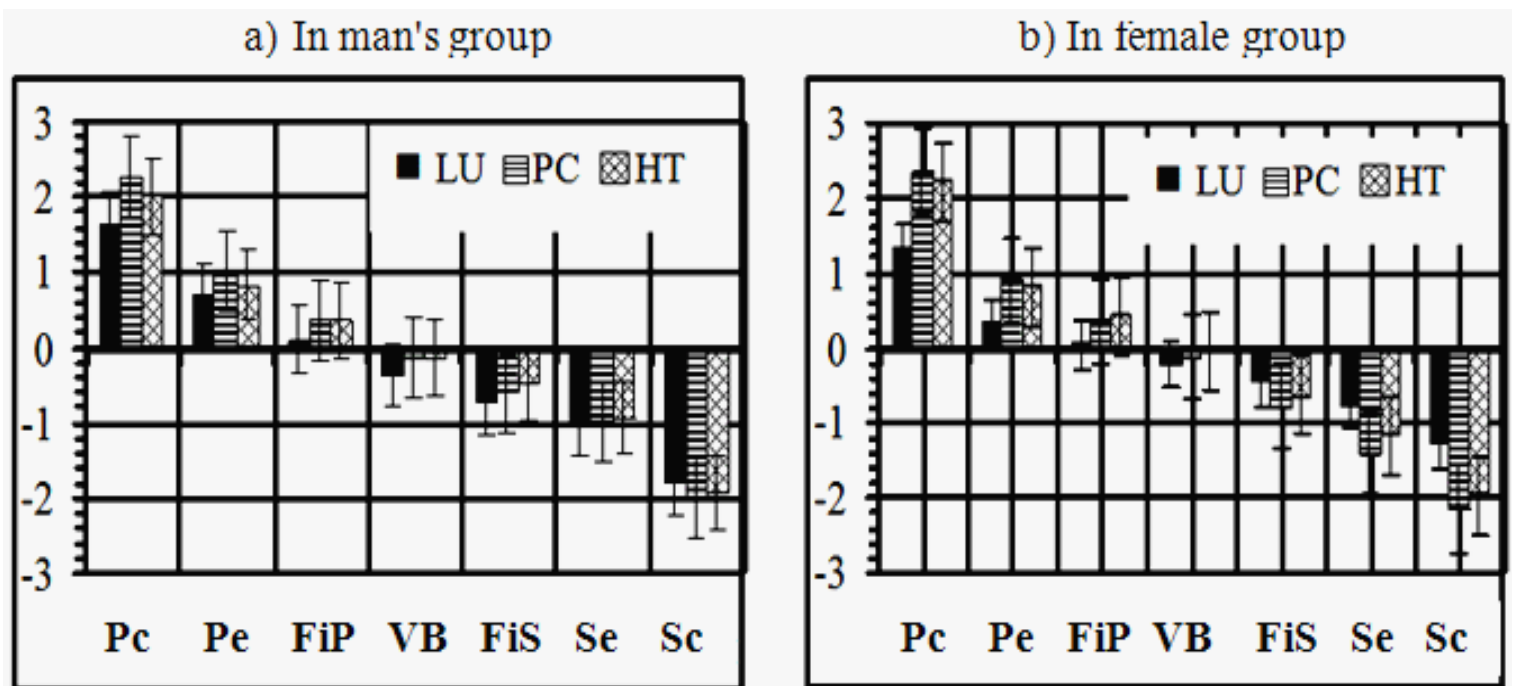


Fig. 7 Vegetative profiles of the third functional complex

**Vegetative profile of the fourth functional complex.** It is formed by two functional systems of Jan-group (ST-VB) and two YIN- group (KI-LR). Thus dynamics ST-GB (fig. 8a-c) it is similar to activity FK-2 (LI-TE-SI; group Jan; fig. 6 a-b), and dynamics KI-LR (fig. 8 a, d) is similar to activity FK-3 (LU-PC-HT; group the YIN; fig. 7a, b).

Thus, the analysis of the previous material testifies to the following.



1) Strengthening of parasympathetic oppression depends on excitation of functional systems of group the YIN (LU-SP-PC-HT-LR-KI). Functional system SP has Thus leading value.

2) Strengthening of sympathetic excitation depends on increase of activity of functional systems of group JAN (BL-LI-ST-TE-SI-GB). Functional system BL has Thus leading value.

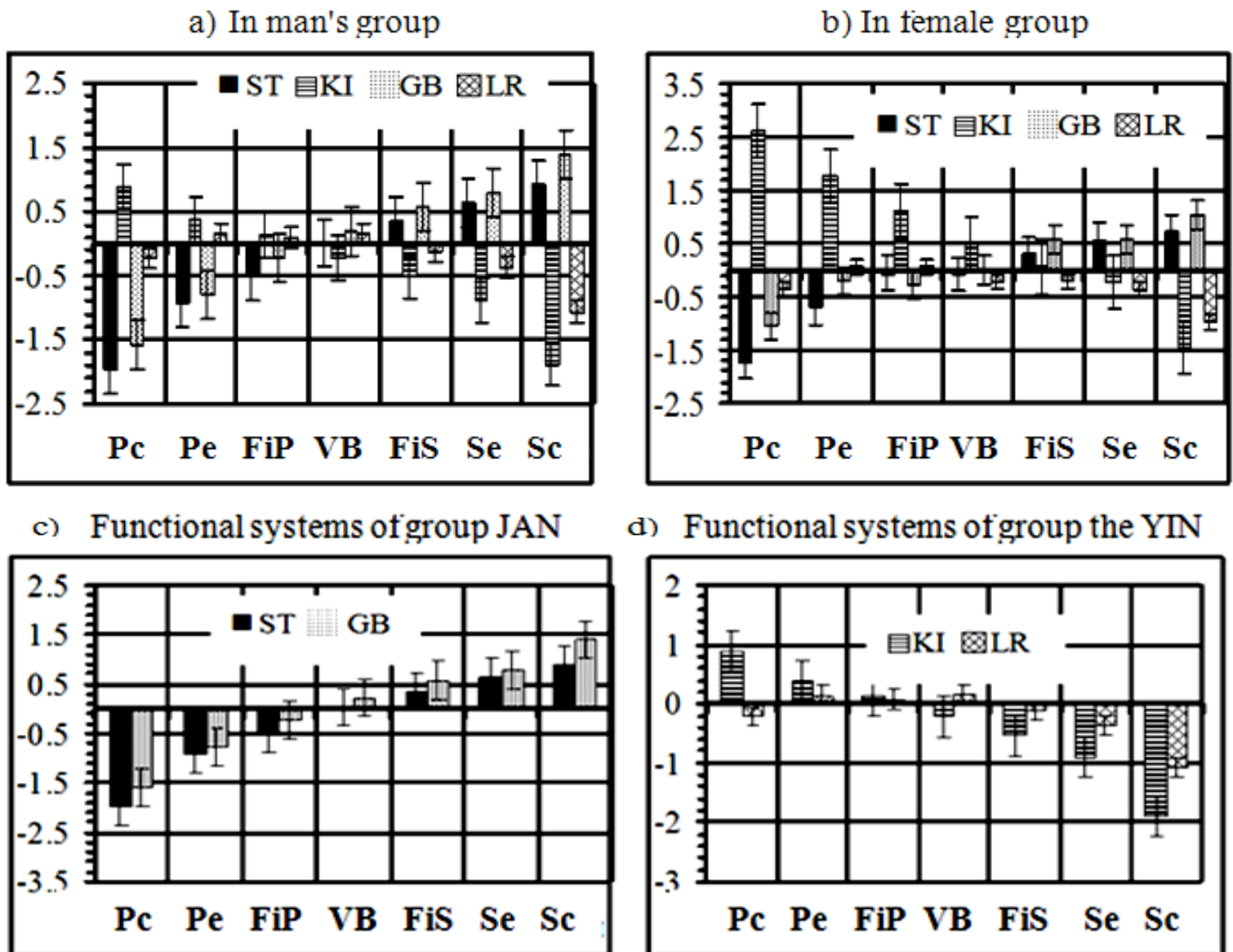


Fig. 8 Vegetative profiles of the fourth functional complex

#### VEGETATIVE PROFILES OF SYSTEMS, AS DISPLAY OF THE VEGETATIVE HOMEOSTASIS

**Vegetative profiles of functional systems.** Different character of influence of separate functional systems on sympathetic and parasympathetic activity of an organism (a vegetative homeostasis) has raised the question about their value in formation of separate vegetative infringements. Differently it is a question of a reality of specifically characteristic vegetative profiles (VP) that the display (fig. 9).

The detailed analysis has confirmed the following. 1) Accruing conditions of parasympathetic oppression depend on excitation of functional systems of group the YIN (LU-SP-PC-HT-LR-KI). Sys-

tem SP has Thus leading value. 2) Accruing conditions of nice excitation depend on increase of activity of functional systems of group JAN (BL-LI-ST-TE-SI-GB). System BL has Thus leading value. 3) The Found out system features forming specific conditions of vegetative infringements, testify to the direct relation of open power information system to a vegetative homeostasis.

There was a question on vegetative laws!

### Vegetative profiles (VP) at different vegetative conditions (fig. 9).

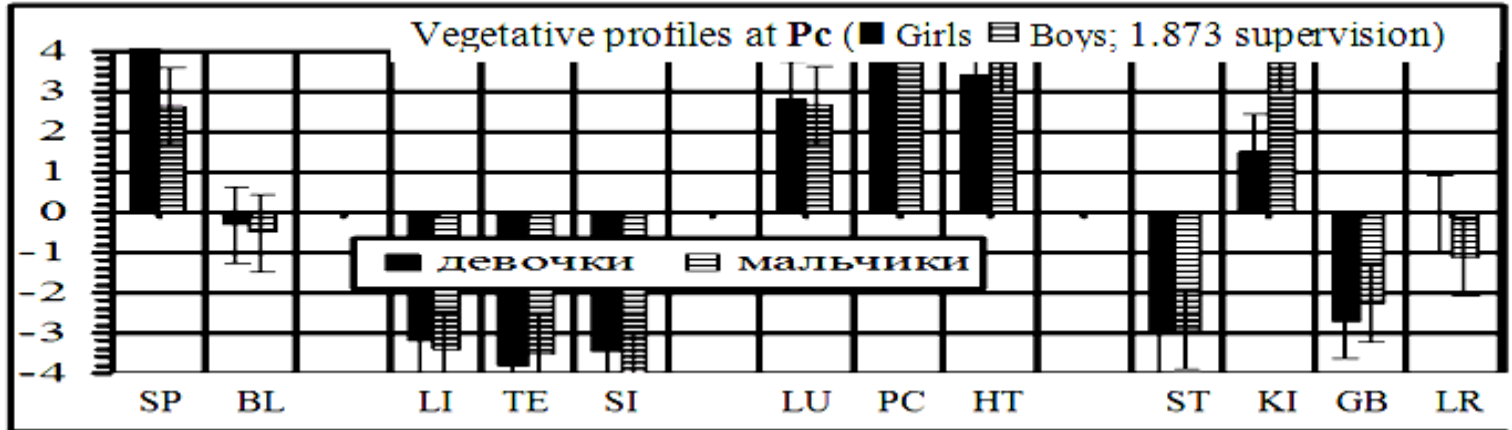


Fig. 9a VP at considerable prevalence of parasympathetic activity

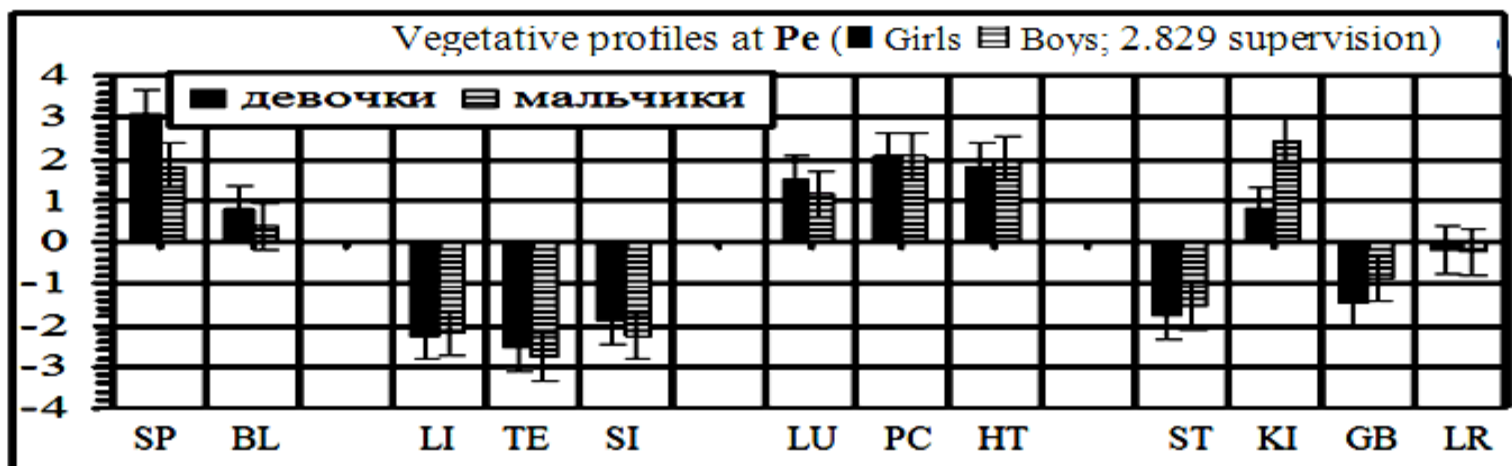


Fig. 9b VP at the expressed prevalence of parasympathetic activity

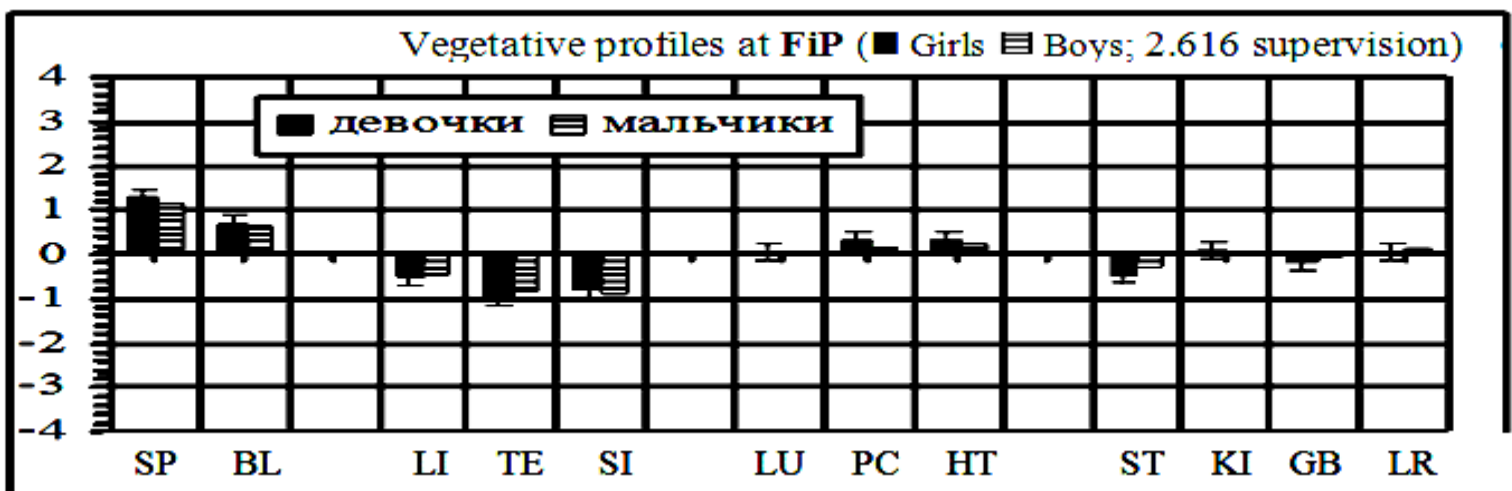


Fig. 9c VP at functional indemnification of parasympathetic activity

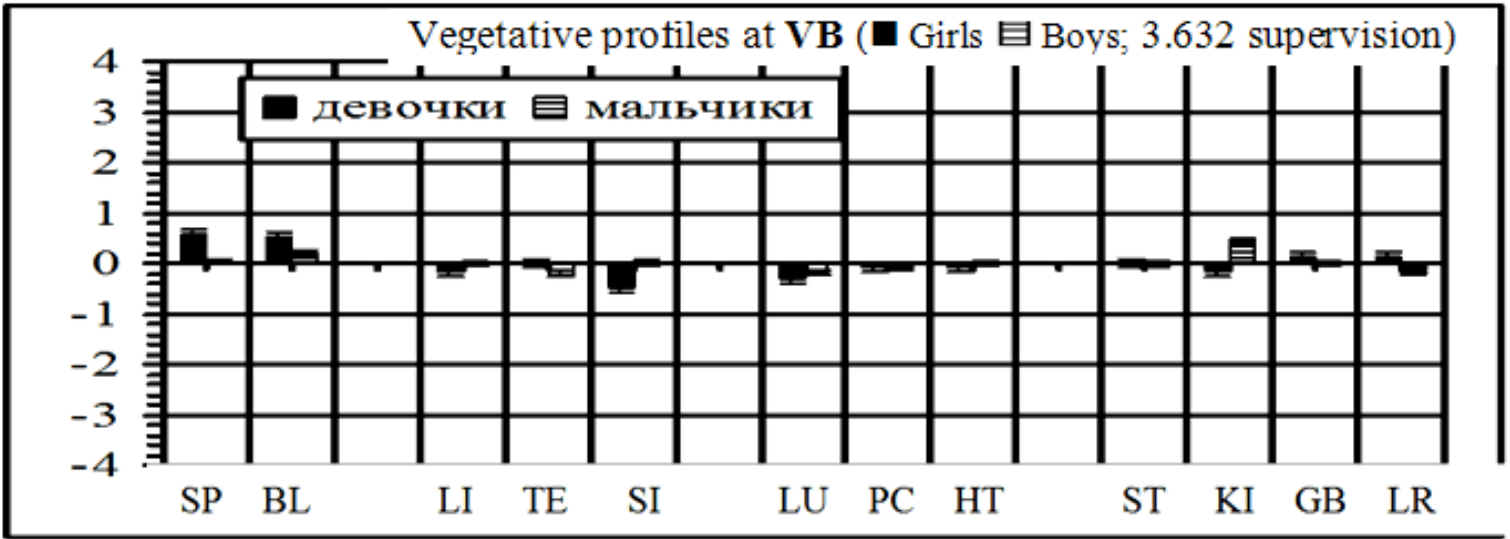


Fig. 9d ВП at vegetative balance

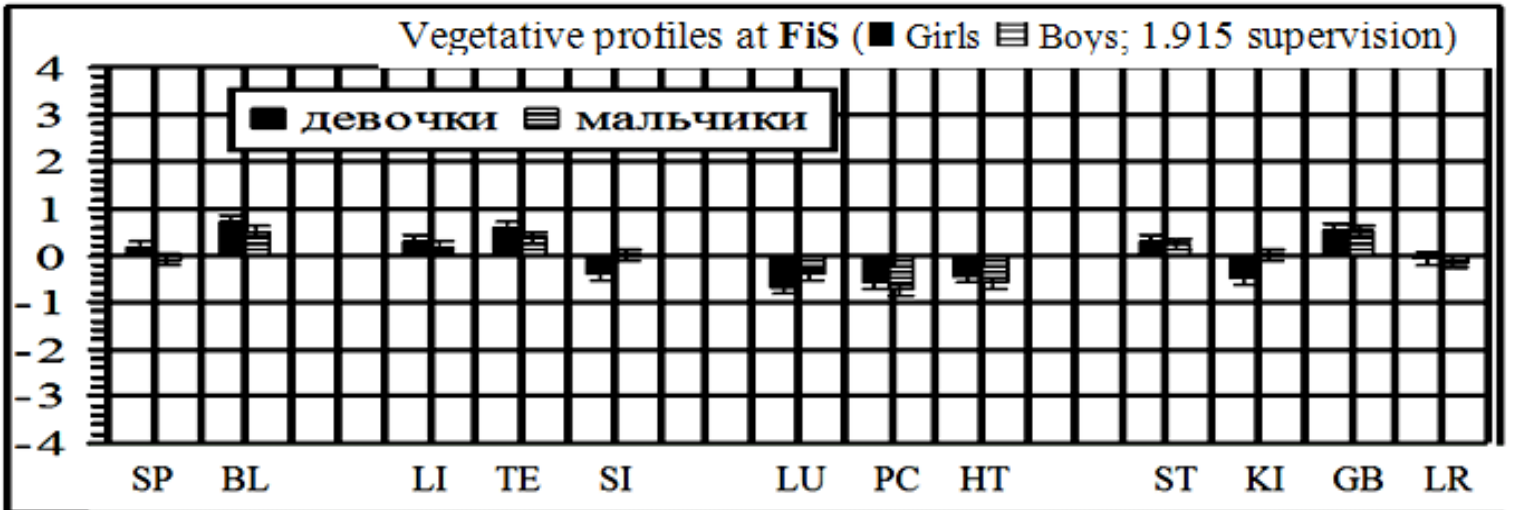


Fig. 9e VP at functional indemnification of sympathetic activity

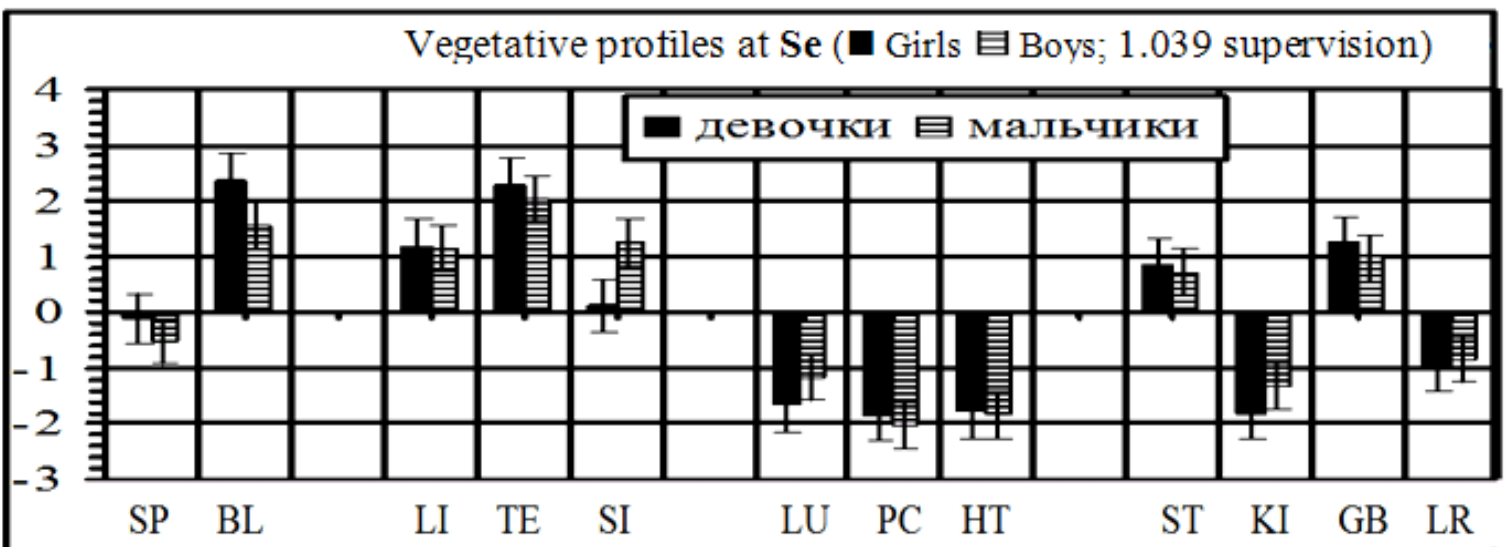


Fig. 9f VP at the expressed prevalence of sympathetic activity

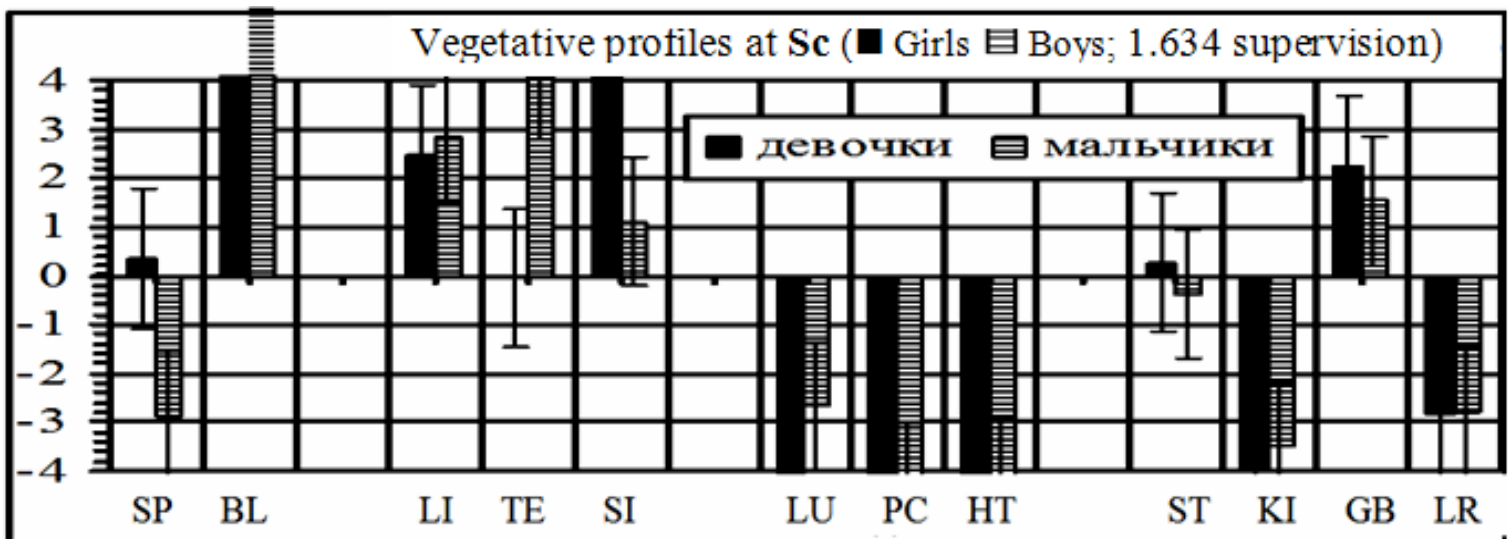


Fig. 9g VPII at considerable prevalence of sympathetic activity

### LAWS OF IS FUNCTIONAL-VEGETATIVE BALANCE

The first Law of is functional-vegetative balance. Opened on a basis above the resulted experimental material of law testify: **"The Factor of vegetative balance (k-VR) acts as an objective integrated indicator of a parity of sympathetic and parasympathetic activity VNS"** (fig. 10).

Thus:

- 1) The Law is fair for vegetative infringements with prevalence of nice and parasympathetic activity;
- 2) The defining characteristic is the condition of total activity (excitation, or oppression) in a zone "above functional norm".

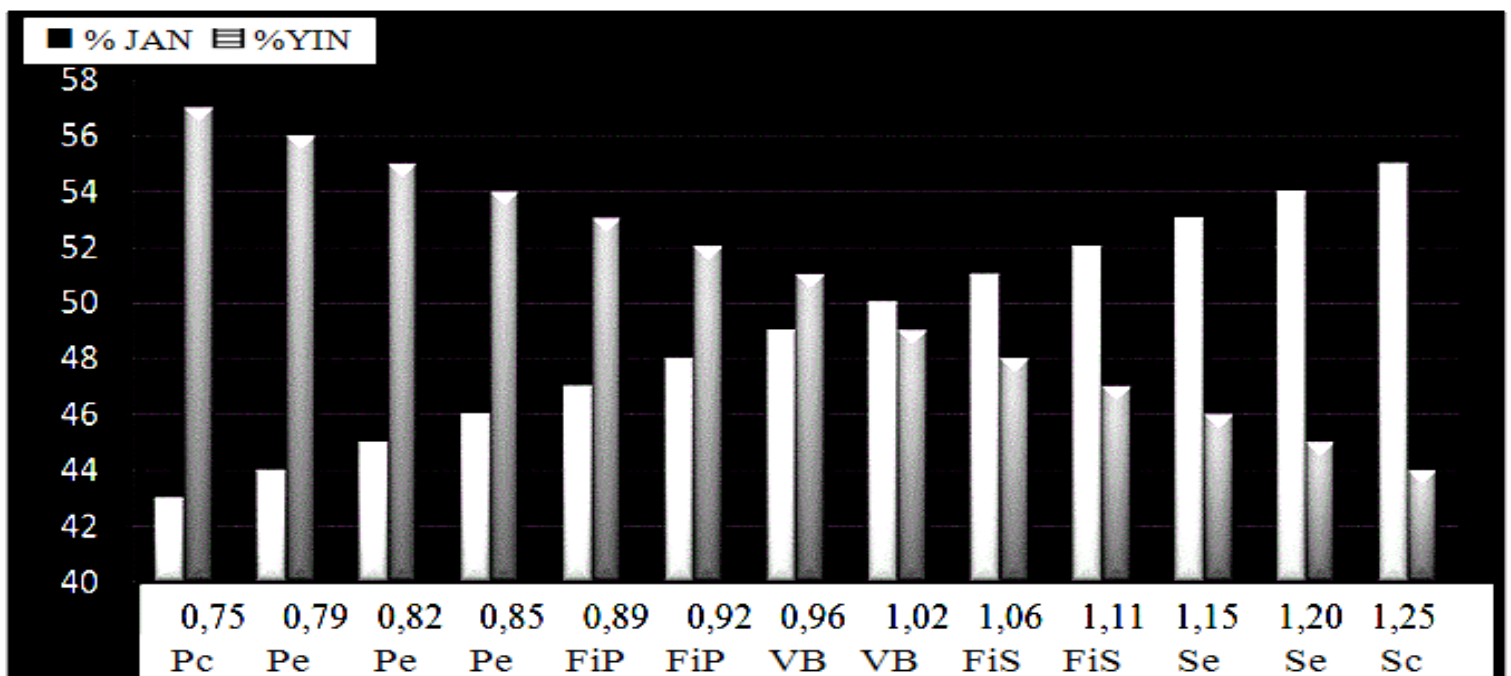


Fig.10 Vegetative factors and a zone of a vegetative homeostasis corresponding by them (results of supervision of 10.606 children).

### THE SECOND LAW OF IS FUNCTIONAL-VEGETATIVE BALANCE.

Opened on a basis above the resulted experimental materials of law testify:” **Vegetative factors reflect an interdependent parity between the JAN-YIN syndromes. Prevalence of one of them causes and characterizes sympathetic (or parasympathetic) activity VNS**” (fig. 11).

Apparently on fig. 11, parity change between excitation of functional systems of group JAN and oppression of functional activity of systems of group the YIN, causes growth of vegetative factor from 0,5 to 1,55. It attracts behind itself change of a vegetative homeostasis from considerable prevalence of parasympathetic activity to considerable prevalence of sympathetic activity.

#### Dependence $\Gamma$ on a parity total the YIN and JAN activity (in %)

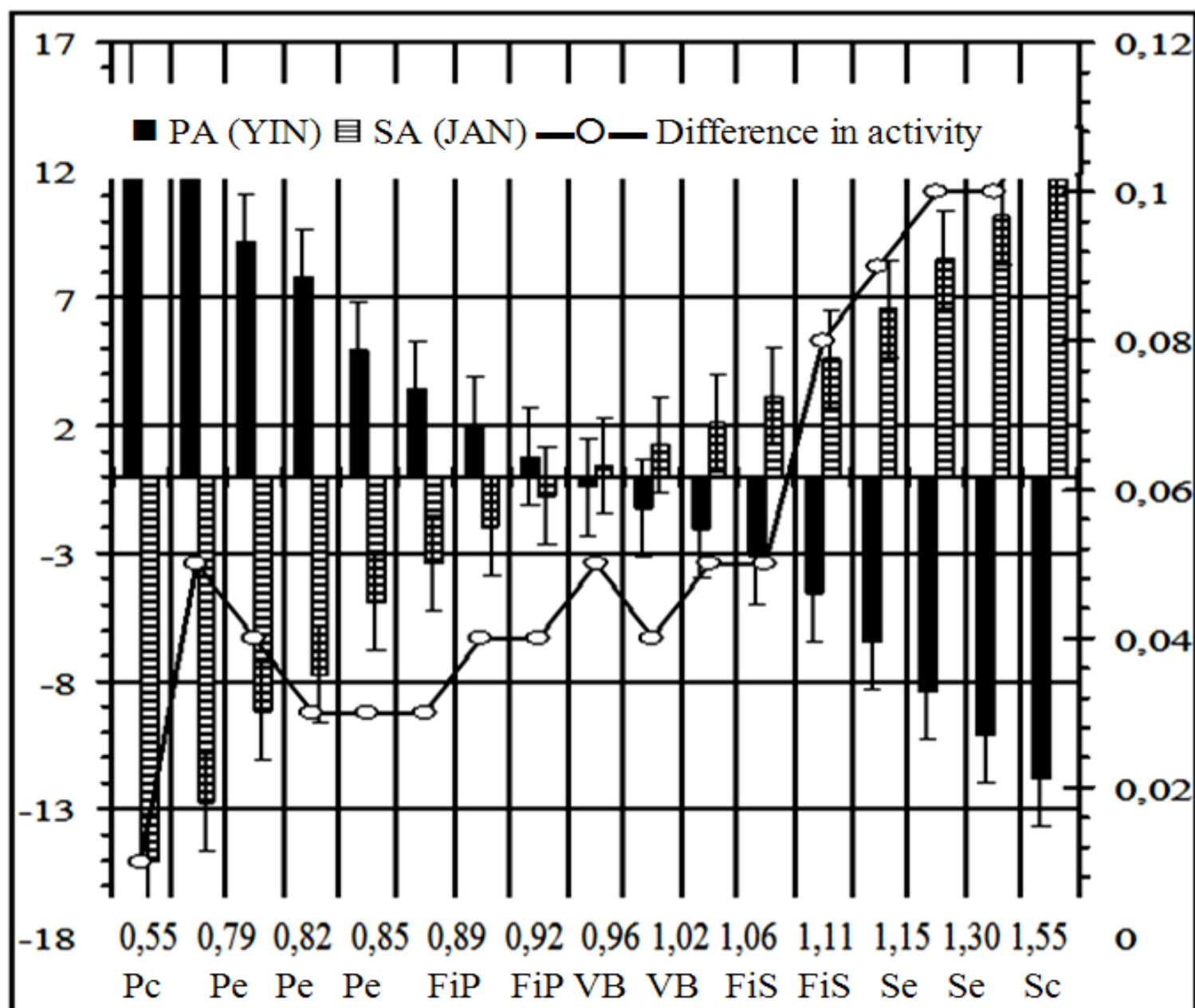


Fig.11 Dependence of a vegetative homeostasis from a parity total the YIN and JAN activity (in %)

Thus, the open power information system has the most direct relation to a vegetative homeostasis.

There is a necessity to understand with the external vegetative driver of a rhythm. Its reality doesn't cause doubts, but thus there is a problem its identification! In this connection, we throughout several years studied features of daily activity of power information system and, accordingly, a vegetative homeostasis. Inspection of volunteers spent in each hour day and night in different phases of Lunar activity and at different UV insulations ...

### Conclusions.

1. The sympathetic orientation of a vegetative homeostasis depends on total activity of functional systems of group JAN, and parasympathetic – from group the YIN.
2. Total the JAN/YIN of activity specifies a parity in character of vegetative infringements (sympathetic / a parasympathetic orientation) and is defined by vegetative factor (vegetative biagnostics on V.Makats).
3. In the mechanism of formation of vegetative balance each functional system has the zone of development of paradoxical reactions (a zone of the biophysical conflict).
4. Indicators of a vegetative homeostasis, vegetative profiles of functional health and vegetative Laws have appeared a biophysical reality.
5. Identification of system dependence testify to necessity of the further studying of the revealed biophysical phenomenon.

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