



*School professors Vladimir Makats (Ukraine).  
Initial course of remote training of doctors  
on a problem: "Functional biodiagnostics and  
Correction of vegetative infringements at children".*

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76.29.47-pediatrics; 76.35.35-rehabilitation;  
76.35.49-alternative medicine;

*... According to recommendations the CART of one of bases of medicine at the present stage should become electro diagnostics on points of acupuncture and reflexotherapy ... [the International meeting the CART on traditional medicine. Yerevan, 19-20.09.2003].*



**FUNCTIONAL BIORHYTHMS. ONCE AGAIN ABOUT DEPENDENCE OF SYSTEMS OF THE FIRST COMPLEX ON THE MOON PHASE (message-19).**

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**The resume.** Experimental materials specify in a biophysical reality of a phenomenon of system synchronously-asynchronous reactions. The attention to necessity of studying of their role in formation of functional biorhythms and mechanisms of development of a vegetative pathology is paid.

**Keywords.** Moon phases, system dependence, synchronously-asynchronous reactions, functional biorhythms.

**The short preface.** Problem lecture "Functional biorhythms. Once again about dependence of systems of the first complex on the Moon phase" it is devoted the unknown person before Is functional-vegetative system of the person (FVS) and is a fragment of proofs of its biophysical reality. In lecture following designations of channels of the acupuncture (meridians) which traditional name is presented today by concept about interdependent functional systems are used: 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.

Analogs the presented experimental materials aren't present.

**Research objective** - the information of the scientific and medical public on the unknown person before his 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.** The carried out additional analysis confirms biophysical dependence of functional systems of the first complex (SP-BL) from a phase of Lunar activity. The revealed dependence is most accurately shown in a phase of the New and Full Moon. Thus, during the periods of the first and second quarter of its activity the dependence form testifies to features of transition periods.

The analysis of the resulted material testifies:

- 1) activity SP-BL depends on the Lunar phase;
- 2) between functional systems of first complex SP-BL there is a synchronous dependence in time;
- 3) under the Full Moon of system SP-BL show a two-hour biorhythm of synchronous activity, crossing zones of the functional norm on even and odd hours!

### Synchronous dependence SP-BL on the Moon phase (3.130 supervision; fig. 1 a-d)

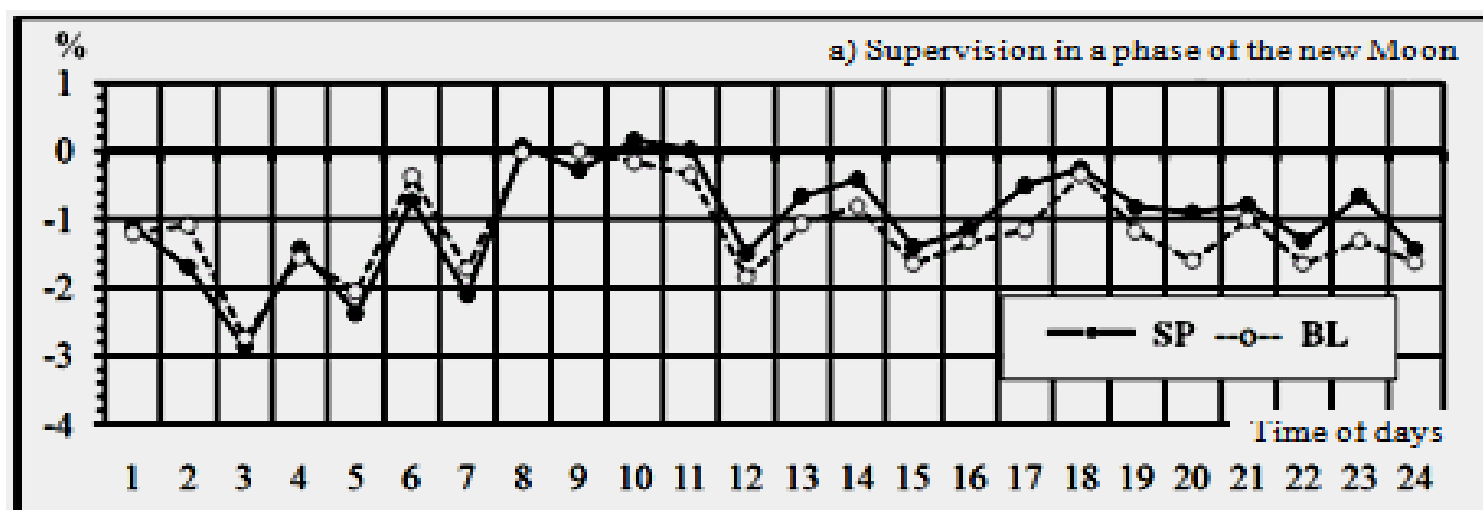


Fig. 1a Synchronous activity SP-BL under the New Moon

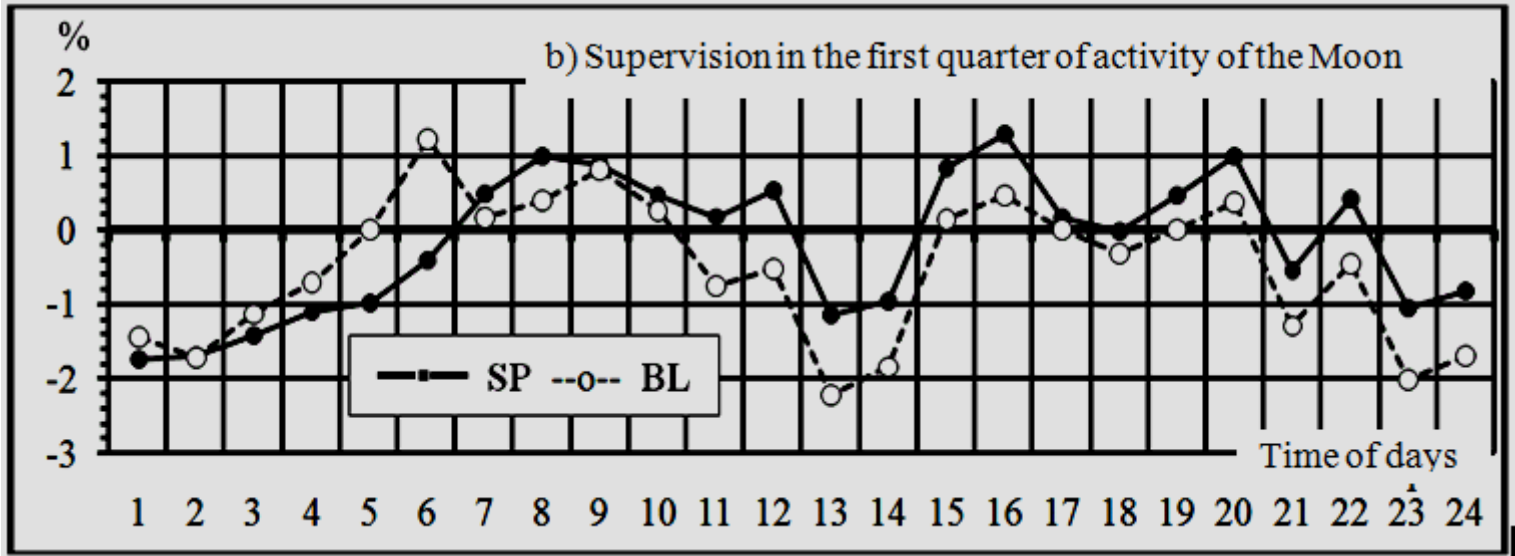


Fig. 1b Synchronous activity SP-BL in the first quarter of the Moon

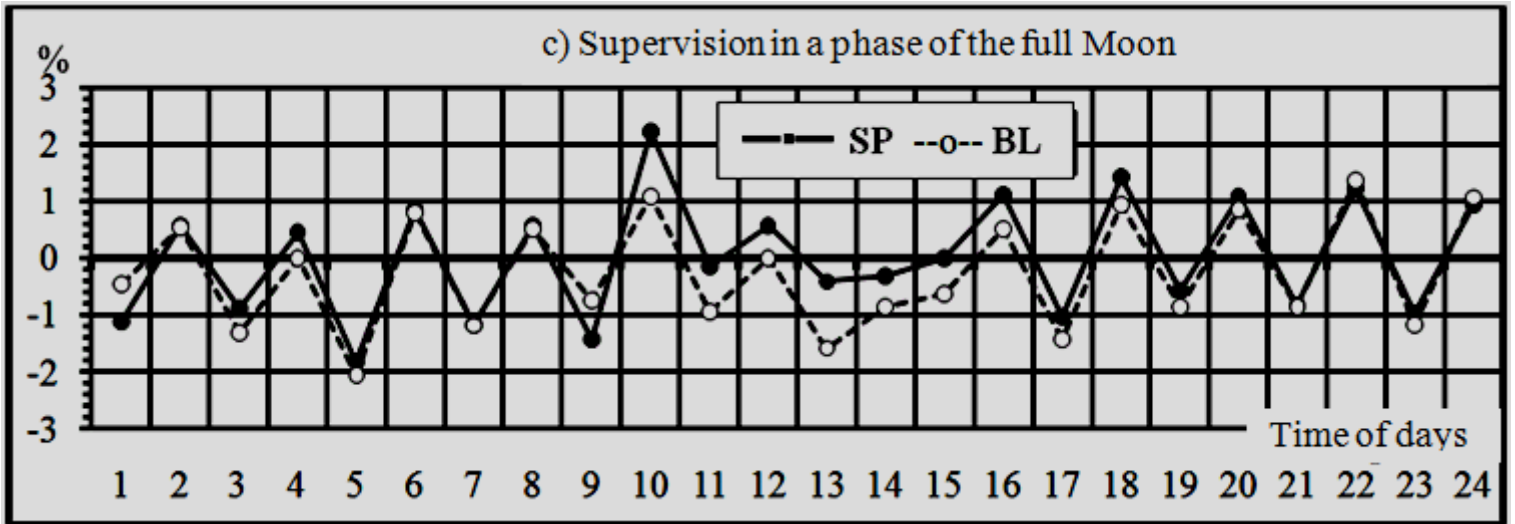


Fig. 1c Synchronous activity SP-BL under the Full Moon

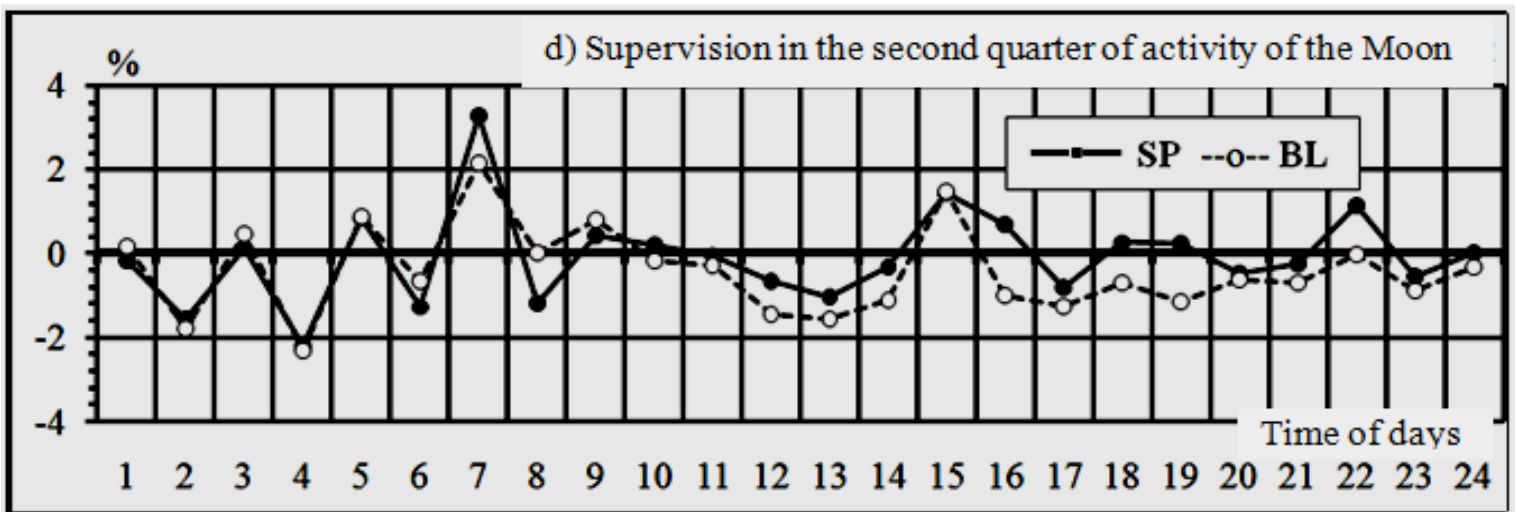


Fig. 1d Synchronous activity SP-BL in the second quarter of the Moon

There is a question and how other functional systems react to synchronous activity of systems of the first complex?

### COMPLEX OF FUNCTIONAL DEPENDENCE $SP \updownarrow TE \leftrightarrow LI \leftrightarrow SI$ AND MOON PHASES.

Further it has appeared that the condition of vegetative balance is supervised by two functional complexes. Activity of systems of the first complex ( $BL \leftrightarrow SP$ ) synchronous also depends on the Moon phase. Its systems form two directions (complex) of asynchronously-synchronous influence. The first supervises activity of the second functional complex ( $SP \updownarrow TE \leftrightarrow LI \leftrightarrow SI$ ), the second - the third ( $BL \updownarrow LU \leftrightarrow PC \leftrightarrow HT$ ). Thus the YIN system  $SP$  asynchronously ( $\updownarrow$ ) supervises the second Jan-complex ( $TE \leftrightarrow LI \leftrightarrow SI$ ), and JAN system  $BL$  - the third YIN- complex ( $LU \leftrightarrow PC \leftrightarrow HT$ ). We will consider a biophysical reality of the revealed dependence.

#### *Asynchronous activity FS (steam SP-TE) and Moon phases (fig. 2 a-d).*

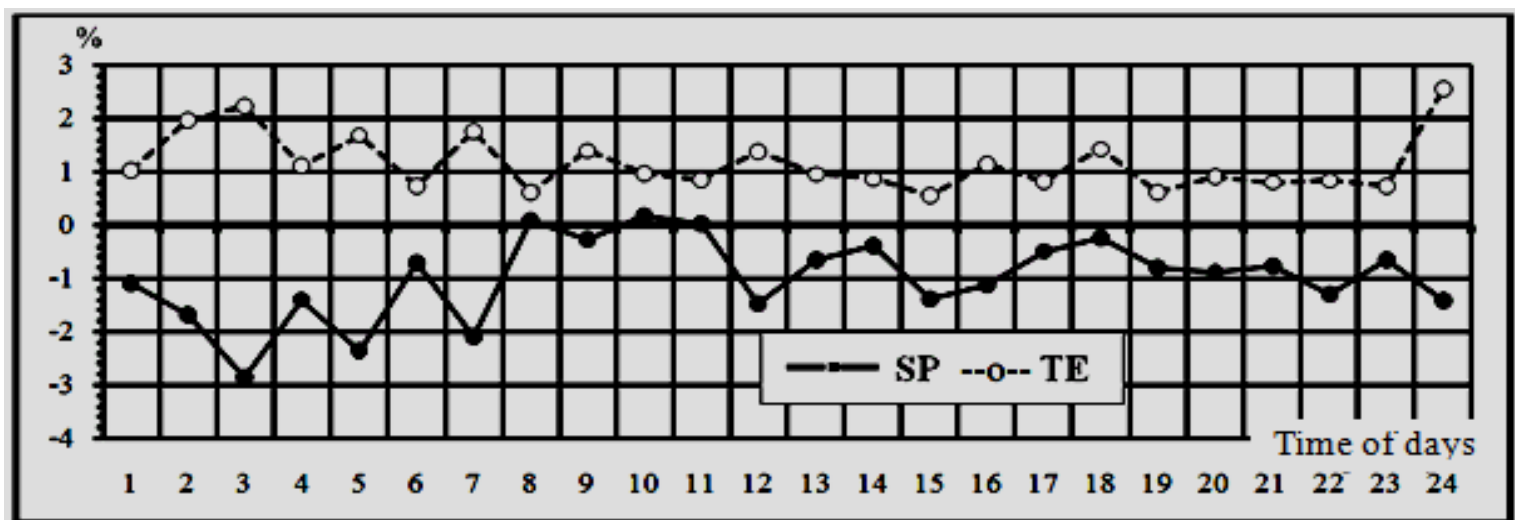


Fig. 2a Asynchronous activity SP-TE under the New Moon

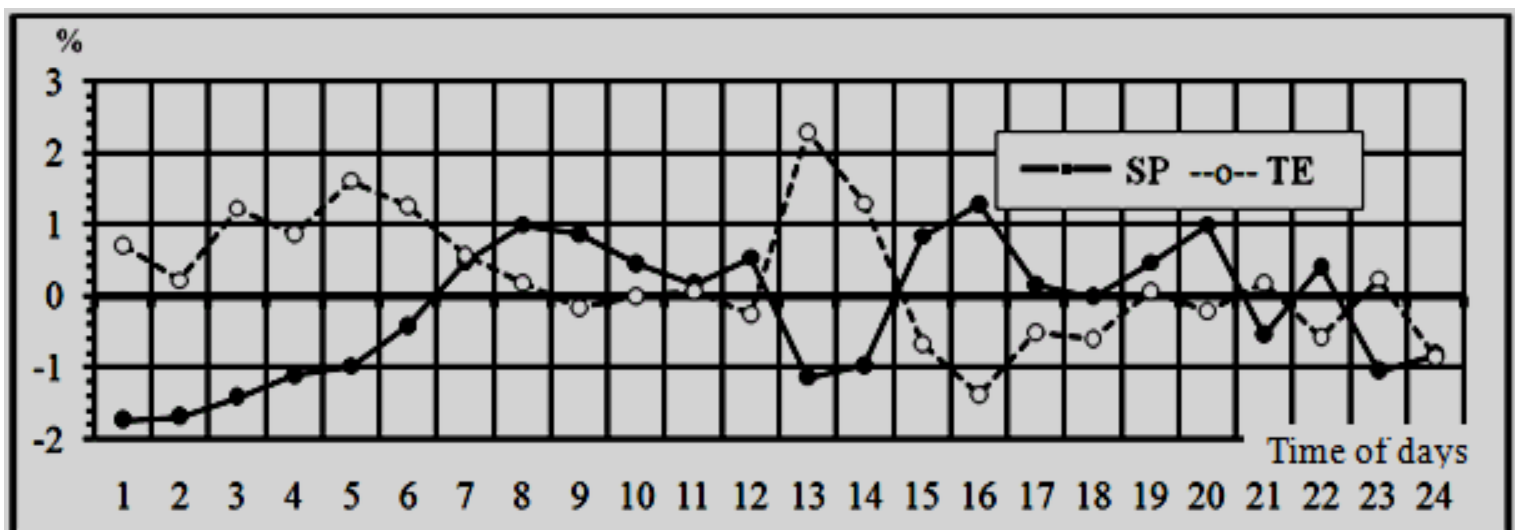


Fig. 2b Synchronous activity SP-TE in the first quarter of the Moon

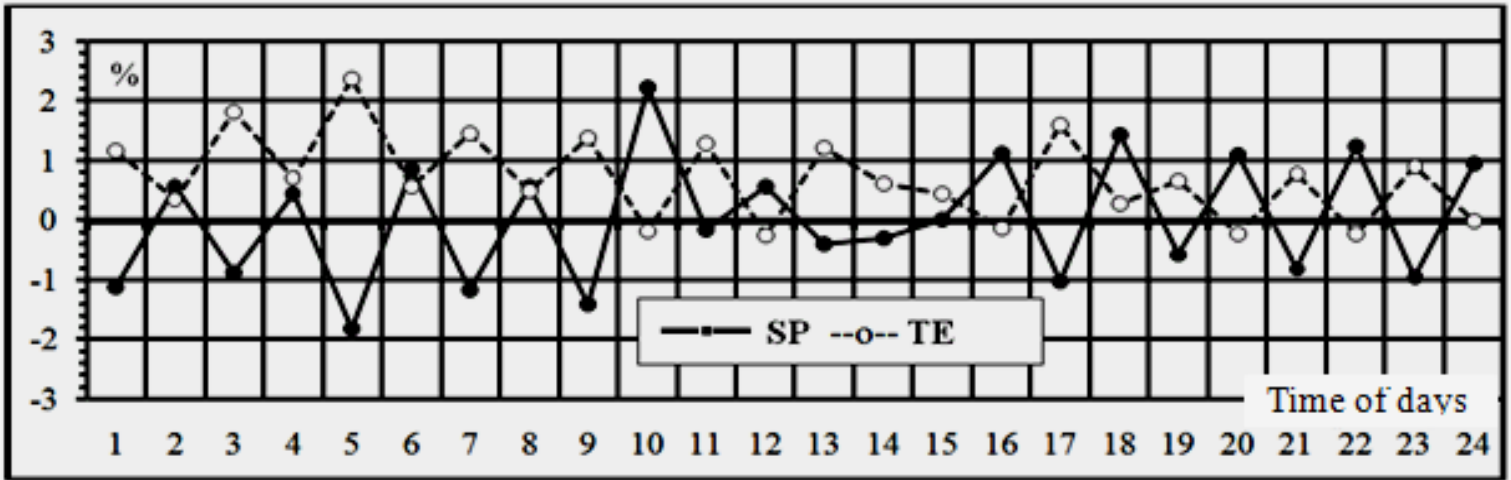


Fig. 2c Synchronous activity **SP-TE** under the Full Moon

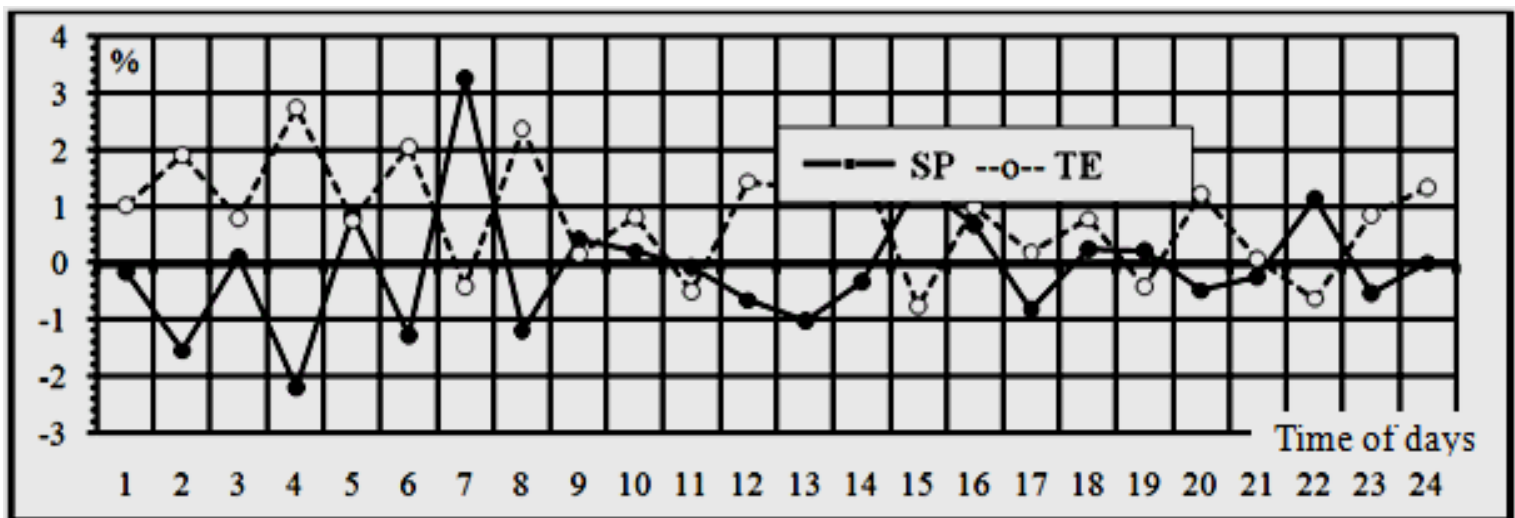


Fig. 2d Synchronous activity **SP-TE** in the second quarter of the Moon

As example synchronous JAN activity is served by functional pair TE-LI in which any excitation TE in most cases is automatically accompanied by synchronous excitation LI-SI and, on the contrary (fig. 3 a-d).

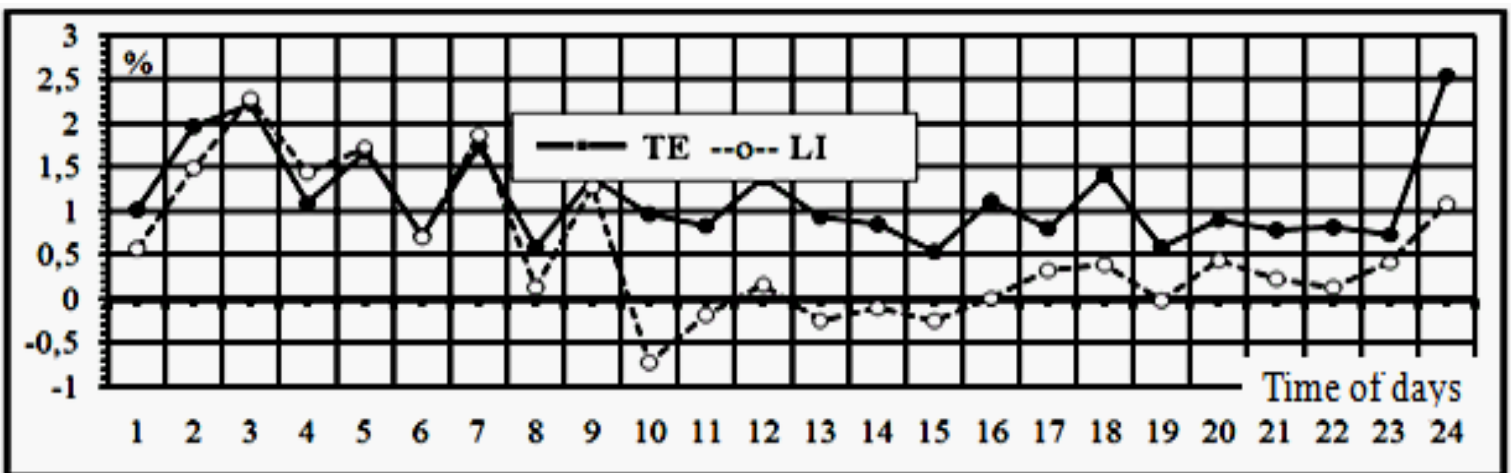


Fig. 3a Synchronous activity **TE-LI** under the New Moon

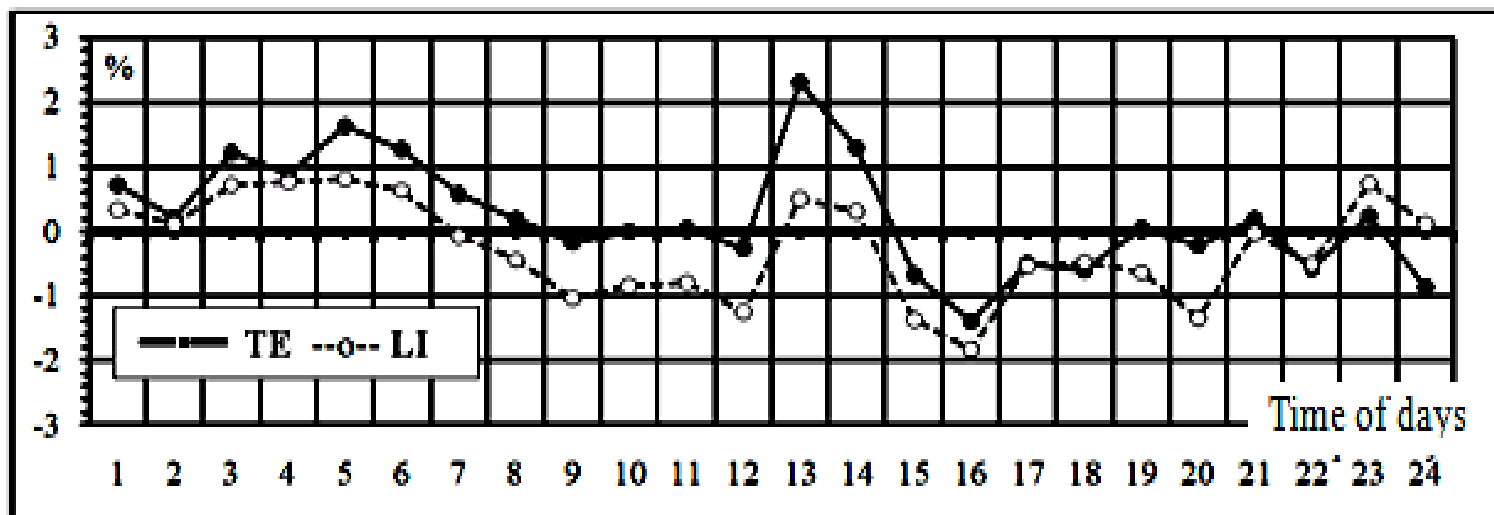


Fig. 3b Synchronous activity TE-LI in the first quarter of the Moon

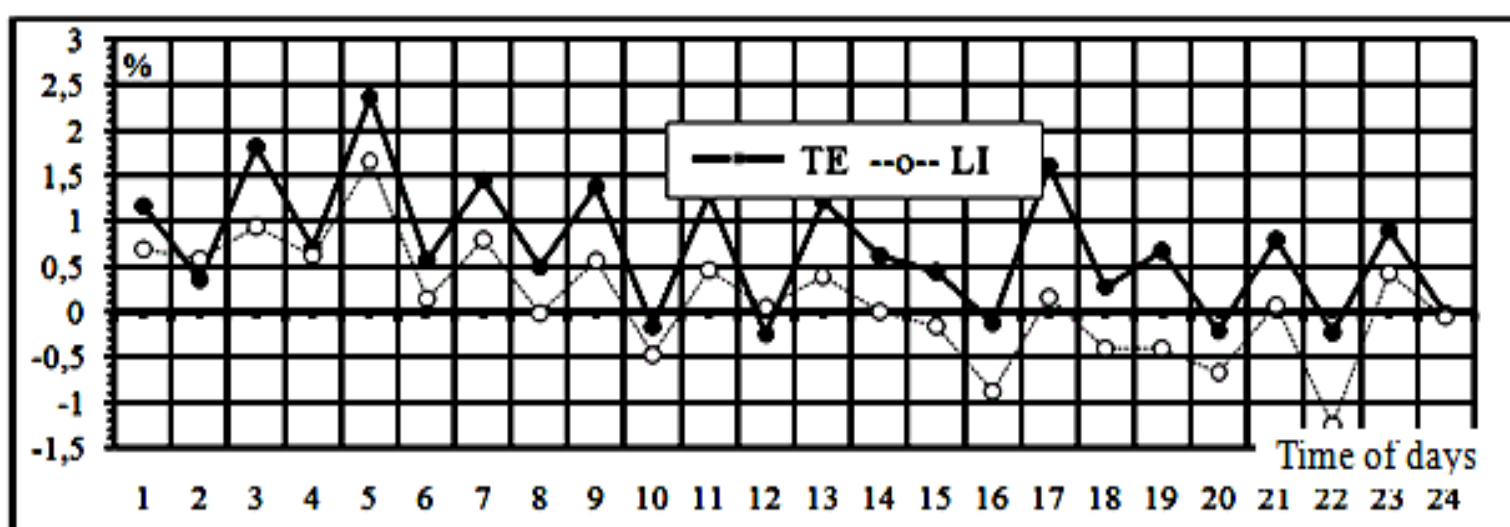


Fig. 3c Synchronous activity TE-LI under the Full Moon

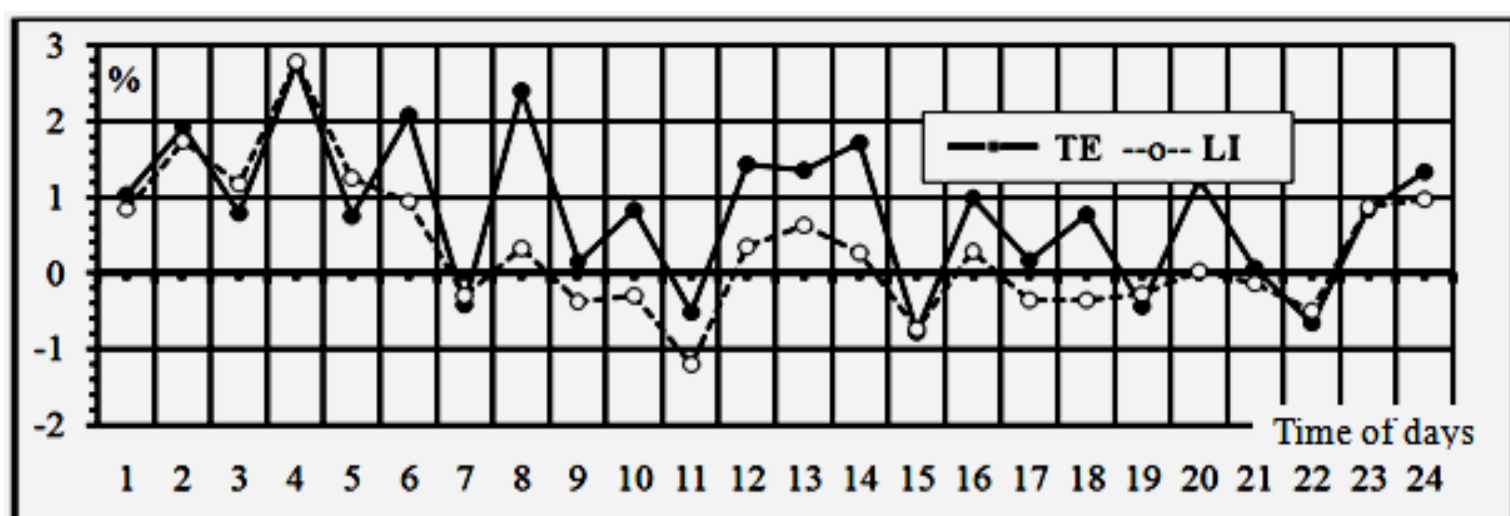


Fig. 3d Synchronous activity TE-LI in the second quarter of the Moon

### COMPLEX OF FUNCTIONAL DEPENDENCE $BL \downarrow LU \leftrightarrow PC \leftrightarrow HT$ " AND MOON PHASES.

Irrespective of a phase of Lunar activity the condition of vegetative balance is supervised by two lines of influence of systems of the first complex ( $SP \leftrightarrow BL$ ) which in most cases synchronously-asynchronously influence on the third ( $SP \leftrightarrow BL \downarrow LU \leftrightarrow PC \leftrightarrow HT$ ) and the second ( $BL \leftrightarrow SP \downarrow TE \leftrightarrow LI \leftrightarrow SI$ ) functionally provides complexes. Thus JAN system BL asynchronously ( $\downarrow$ ) supervises the third YIN - a complex ( $LU \leftrightarrow PC \leftrightarrow HT$ ), and the YIN system SP - the second Jan-complex ( $TE \leftrightarrow LI \leftrightarrow SI$ ).

*Asynchronous activity of functional pair BL-LU and Moon phases (fig. 4 a-d).*

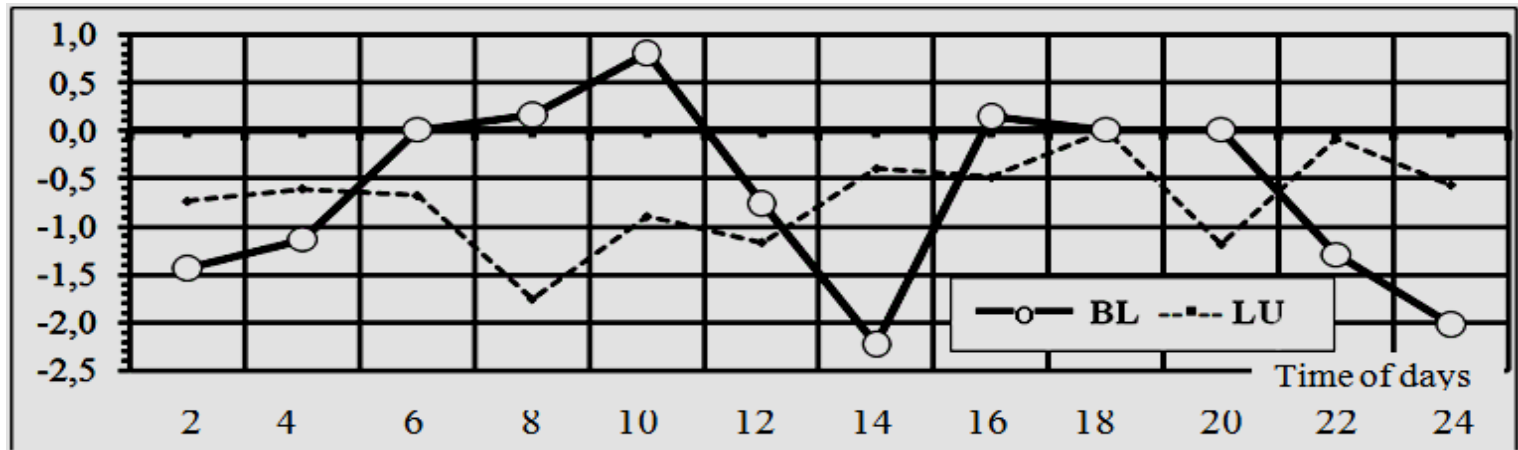


Fig. 4a Asynchronous activity **BL-LU** under the New Moon

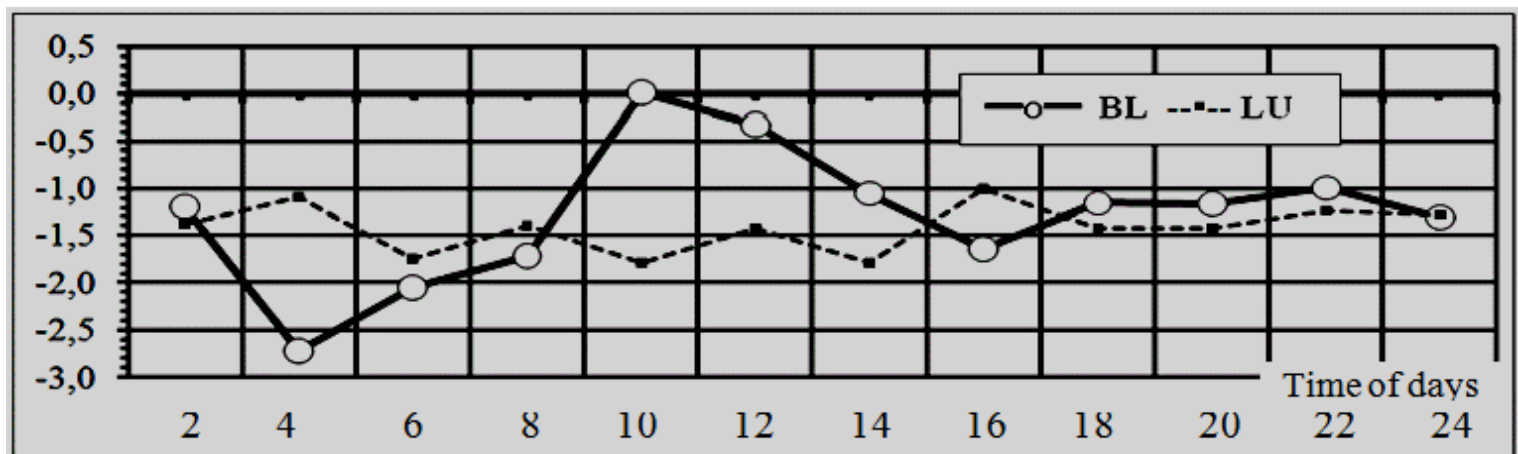


Fig. 4b Asynchronous activity **BL-LU** in the first quarter of the Moon

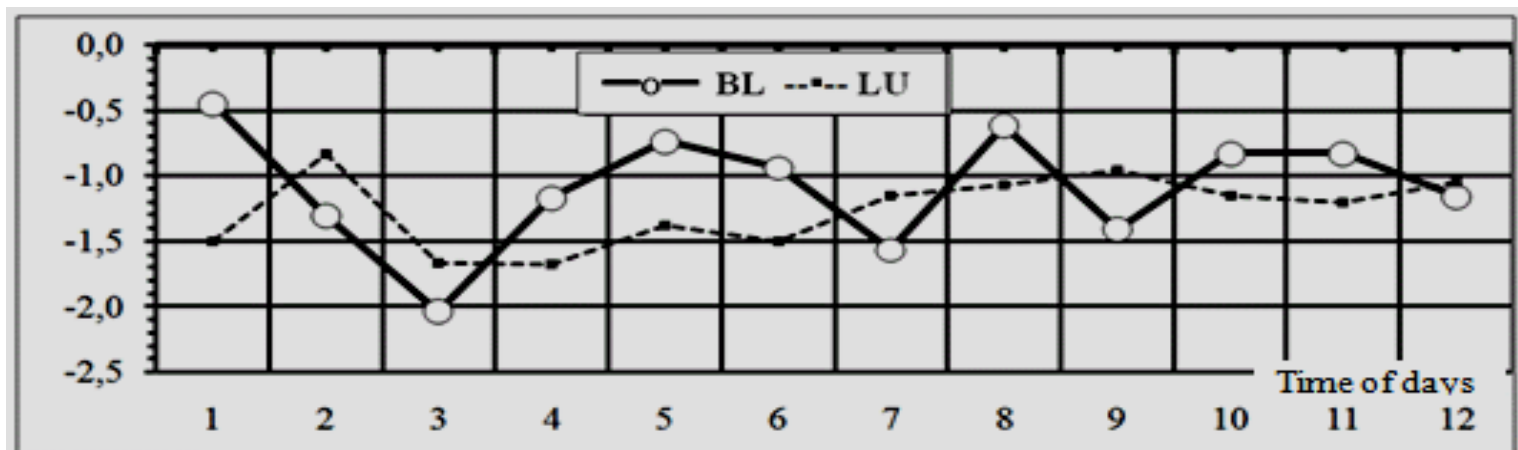


Fig. 4c Asynchronous activity **BL-LU** under the Full Moon

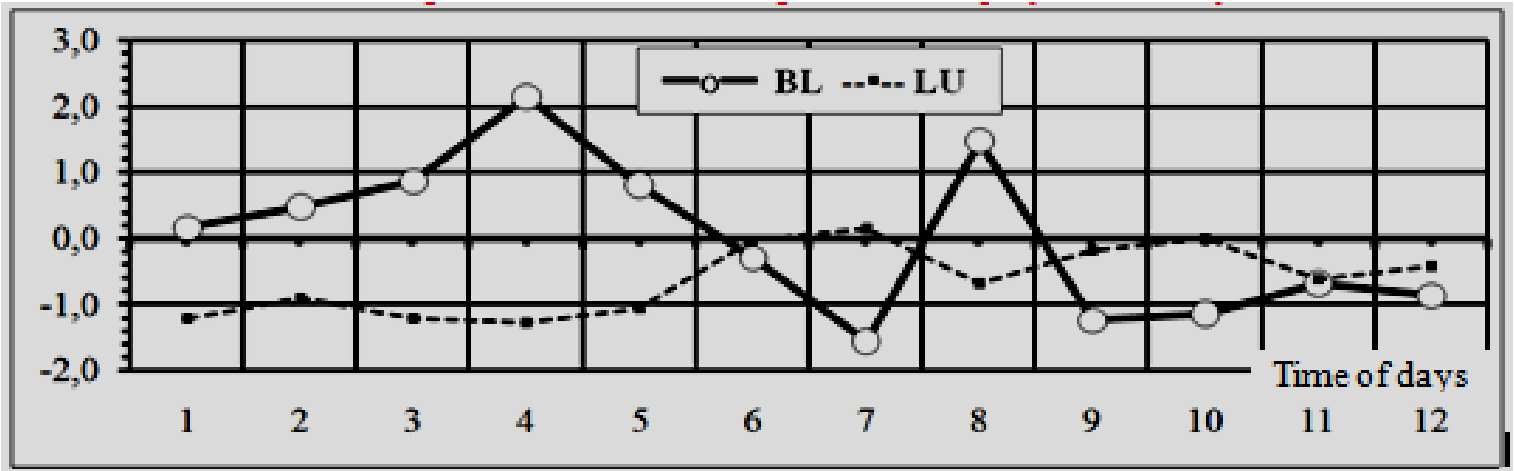


Fig. 4d Asynchronous activity **BL-LU** in the second quarter of the Moon

Synchronous the YIN of activity serves as an example functional pair LU-PC in which any excitation LU in most cases is automatically accompanied by synchronous excitation RS-NT and, on the contrary (fig. 5 a-d).

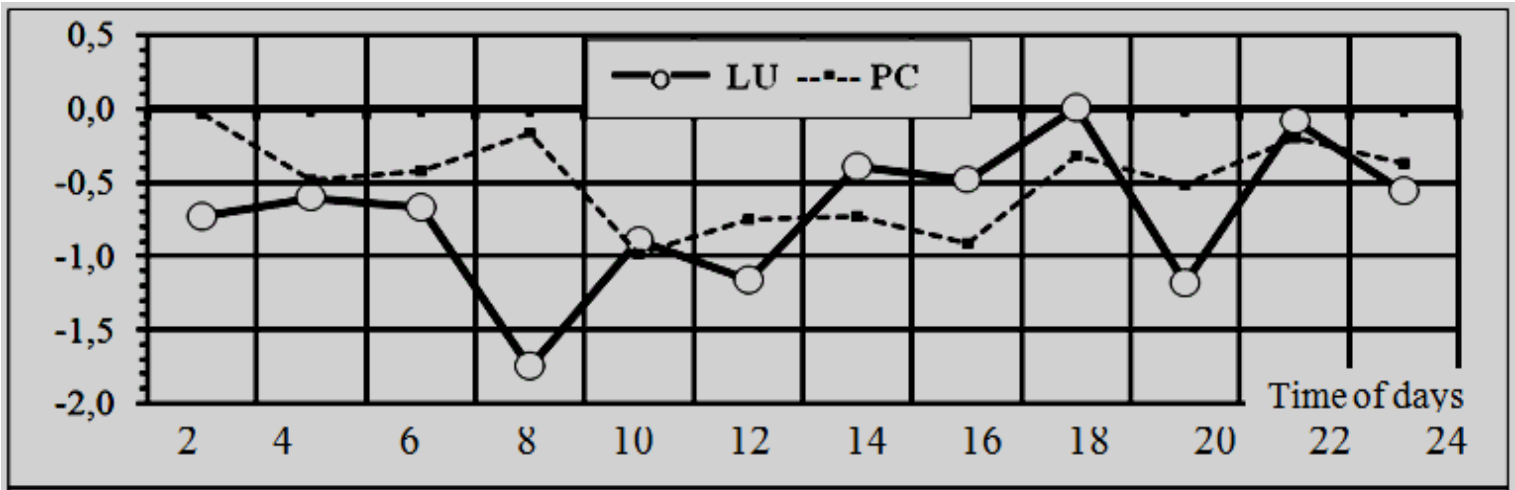


Fig. 5a Synchronous activity **LU-PC** under the New Moon

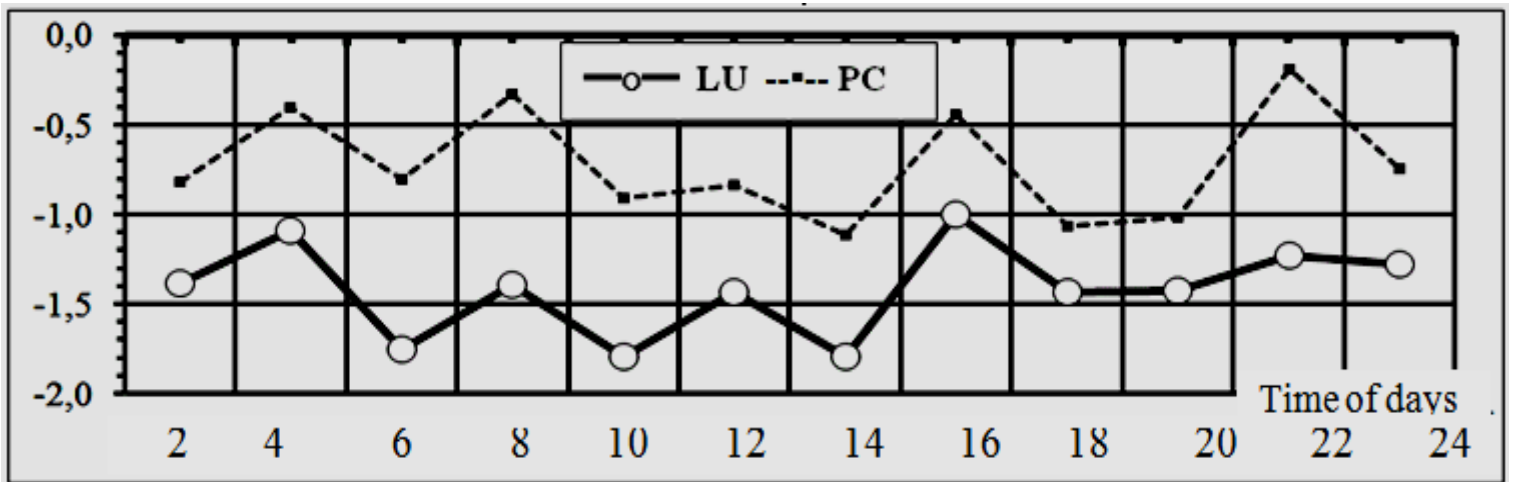


Fig. 5b Synchronous activity **LU-PC** in the first quarter of the Moon



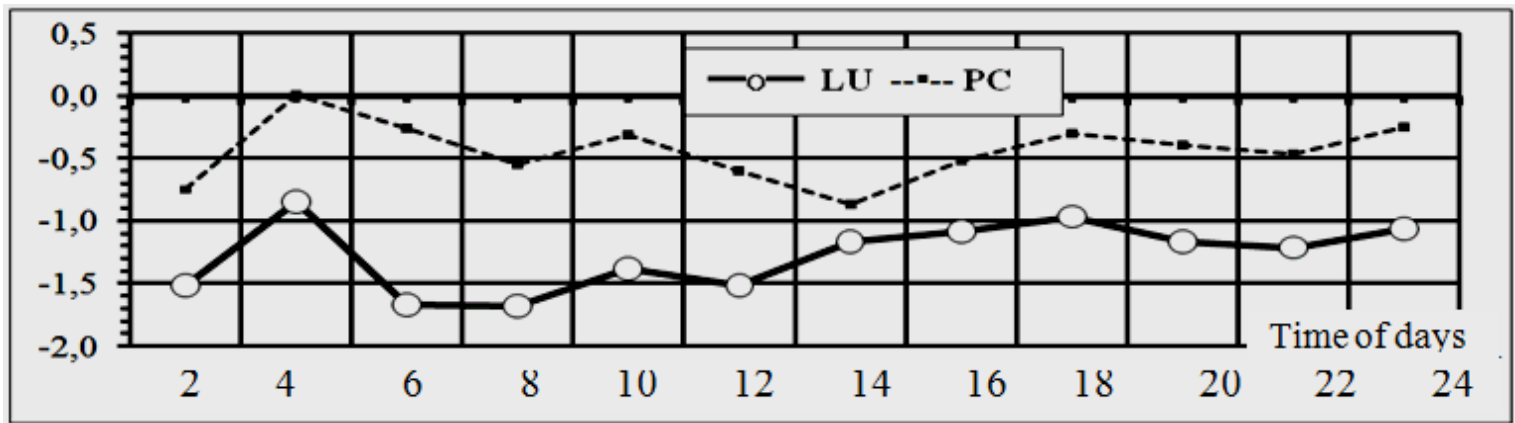


Fig. 5b Synchronous activity LU-PC in the first quarter of the Moon

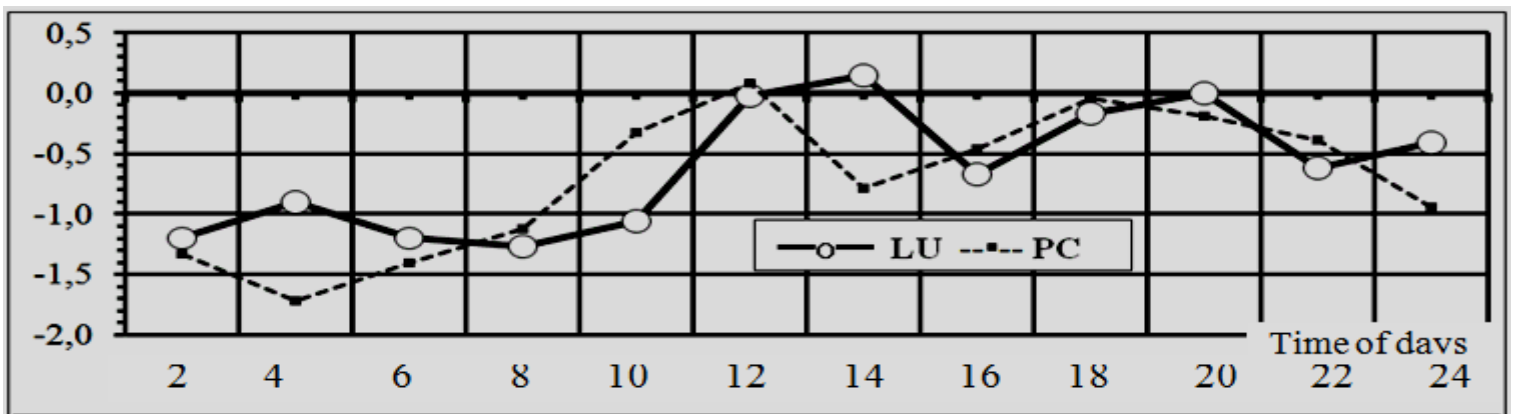


Fig. 5d Synchronous activity LU-PC in the second quarter of the Moon

The considered material allows to draw following conclusions ...

### Conclusions.

- 1) Synchronous dependence of functional systems of the first complex (BL-SP) from a phase of Lunar activity doesn't cause with-opinions.
- 2) Synchronously-asynchronous reactions in separate system steams specify in a reality of biophysical mechanisms in development of an is functional-vegetative pathology.
- 3) Identification of system synchronously-asynchronous dependence testifies to necessity of the further studying of the revealed biophysical phenomenon.

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