USE OF “AIRES” MATRIX APPLICATORS IN CLINICAL PRACTICE

Manual for physicians

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ANNOTATION
It is known that the influence on biologically active points (BAP) and biologically active zones (BAZ) has pronounced general regulating and therapeutic effects on the physiological systems of an organism in a rather broad spectrum of diseases. In the reflexotherapeutic practice different methods of the influence on BAP and BAZ (acupuncture, cauterization, acupressure, electropuncture, magnetopuncture etc.) are used. Studies showed that similar influence on biologically active points and zones was exerted also by the application of different substances and materials, having natural and artificial origin.

In this Manual for physicians the authors summarized the results of using in the clinical practice “AIRES” matrix applicators, the therapeutic effect of which was caused by the
regulating and harmonizing influence on the physiological systems of the organism, owing to
bioresonance influence on biologically active points and zones.

I. INTRODUCTION
Beneficial regulating effect on functioning of the physiologic systems in the organism due to the
influence on biologically active points and zones has been known since ancient times. This effect
forms the basis of acupuncture, which is more than 4,5 thousand years old and is one of the main
components in the oldest in the world Chinese traditional medicine. The mechanism of
therapeutic influence exerted by acupuncture is not entirely clear until now. The century-old
search for a morphological substrate of biologically active points proved to be ineffectual.
There predominated a standpoint in the home science over a long period of time, which
explained the effect of acupuncture by some reflex response of the physiologic systems of the
organism to the influence. It is not by chance that this direction in our country is called
“reflexotherapy”. But lately the reflexotherapy paradigm began to change for recognizing the
key role of energy information processes in this mechanism. In the light of this theory also the
mechanisms of the influence exerted by medical massage, some physiotherapeutic and
balneologic procedures seem to be somewhat different.

Lately the stores of methods for influencing BAP and BAZ has considerably increased. These
include also methods based on using different applicators. The main principles of their use are
presented in the Manual for physicians and scientific workers “Correcting the organism
functional status by application of different substances and materials of natural and artificial
origin”, approved by the Traditional therapeutic methods section of the Academic Council of the

II METHOD FORMULA
The method for correcting the functional status of physiological systems of the organism,
based on bioinformation resonance influence, exerted by matrix applicators on biologically
active points and zones, is developed by the “AIRES” New Medical Technologies Foundation.

Matrix applicators (resonators) are a strictly ordered plane scheme of interconnections of a
stable information system. This scheme, being put on an electromagnetic radiation generator,
owing to the effect of passive resonance, harmonizes information-functional processes, bringing
the resonating regions into the state of stable homeostasis. It is clear that its correcting capacities
are not absolute. The resonance influence effect is determined by such factors as the level of
degradation changes, possibility to bring the system into the state with a certain level of rest as
an indispensable condition for entering into resonance interaction, availability of time sufficient
for realizing stable remodulation, and also of an optimum area for the interaction between the
system and the resonator.

It is shown that the suggested method is effective in a number of functional and organic
disorders in the organism physiological systems and also in purulent surgical diseases and burns.
The method must be used as an auxiliary one, which increases the effectiveness of the basic
treatment.

III MATERIAL AND TECHNICAL SUPPORT OF THE METHOD
The influence on biologically active points and zones is realized with the help of the “AIRES”
matrix applicator which is, as the studies in the S.I.Vavilov State optical institute show, a spatial-
wave Fourier filter and which allows to separate any periodical oscillations to the sum of
harmonic components with a minimum linear amplitude. The applicator passively resonates with
harmonic components of an electromagnetic signal, which comes from the biologically active
point or zone in the area of the applicator, and increases its amplitude and power. At the same
time non-harmonic components of the signal are attenuated right up to disappearance. As a
result in the area of the matrix applicator conditions for harmonizing and normalizing the main
physiological processes are created.
Matrix applicators are manufactured in two forms: as an image of a fractal-matrix structure on polyvinylchloride self-gluing film, being 26.4 x 26.4 x 0.1 mm in size with symmetrical pattern (width of lines is 50 μm), made on the external side, and as an analogous image on a siliceous plate of 7.5 x 7.5 mm (width of lines is 1-2 μm) in size.

For marking patterns graphite, aluminium (“silver” matrix applicators) or bronze (“golden” matrix applicators) powders are used. The information potential in “silver” applicators is considerably higher than that in graphite ones, and it is even higher in “golden” applicators than in “silver” ones.

This medical product is registered in the Russian Federation, entered in the State register of medical products (registration certificate № 29/23051200/2804-01, issued by the Ministry of Public Health of the Russian Federation on the 21st of November, 2001).

INDICATIONS FOR USE OF “AIRES” MATRIX APPLICATORS
- general functional disorders of the organism of different genesis;
- astheno-neurotic disorders;
- fatigue syndrome, lowered working capacity;
- deterioration of the memory and attention;
- insomnia;
- neurocirculatory dystonia;
- radiculitis, lumbar ischialgia, osteochondrosis;
- bronchial asthma, chronic bronchitis;
- urolithiasis, pyelonephritis in the remission phase, prostatitis;
- climacteric syndrome, premenstrual pains;
- neurodermite;
- skin burns of I-II-IIIa stages;
- acute and chronic pyo-inflammatory diseases of fingers and the hand;
- vegetovascular disorders in surgical patients.

CONTRAINDICATIONS FOR USE OF “AIRES” MATRIX APPLICATORS
- pregnancy;
- acute infectious diseases;
- oncological diseases;
- acute disorders of cerebral circulation;
- myocardial infarction;
- psychical diseases in the exacerbation phase;
- alcoholic intoxication and narcotic inebriation;
- state of nervous overexcitation;
- individual intolerance.

METHOD DESCRIPTION
Before fixing the applicators a physician must work out a program of actions and determine a list of biologically active points and zones which will be exposed to the influence.

After removing the paper base from the applicator, it should be fixed with its sticky side to the corresponding body area. In order to secure the reliable fixation it is desirable that the applicator should be stuck on clean and dry skin. It is important that the applicator axes should be vertically orientated and positioned symmetrically relatively the vertical axis of the body (vertebral column) (Fig. 1).
The optimum version of positioning ‘golden’ matrix applicators is the application on the surface of the head, neck, vertebral column; for ‘silver’ applicators it is optimal to position them all over the surface of the body and extremities. ‘Graphite’ resonators are used for treating different traumas (burns, fractures, frostbites, dislocations, contusions, hematomas etc). When the recommended type of applicators is not available, due to their interchangeability, it is possible to use any other type; this will give the expected therapeutic result and will not cause any side effect.

GENERAL RECOMMENDATIONS

“AIRES” applicators are a safe prescription-free method of treatment and prophylaxis of diseases; so, it is possible to combine them with drug therapy, homeopathic medicines, phytotherapy, physiotherapy etc. They are recommended to persons of all ages and professions. “AIRES” applicators are intended for individual use.

The increased excitability of the organism of any type (psychoemotional, physical, alcoholic etc.) sharply reduces the resonance interaction effect. It should be taken into account that a patient must relax and take a comfortable position (to sit down or lie) at least during the first 30-60 minutes of using the applicators, later on the patient can fulfil any physical work.

It is recommended to choose time of exposure on one's own, depending on the degree of pain symptoms, seriousness, duration of the disease and other individual factors. When applied only once, the exposure lasts till the appearance of health-improving effect (removal of pain syndromes, improvement of subjective sensations etc.). The exposure duration may greatly vary from 1 hour up to 5-6 days.

To obtain the stable effect it is recommended to use the applicators for several days.

For chronic diseases it is necessary to prescribe 6-day therapy courses with one-day interval between them; correction is completed after attaining a stable health-improving effect. In this case time of exposure is also chosen individually.

Taking a shower-bath or a bath can cause unsticking of the applicators. When the exposure is to be continued, one must use a new applicator.

Positioning the matrix applicators is being made depending on the type of disease according to schemes recommended below.
Fig. 2. Diagram, showing points for placing the matrix applicators.

MA therapy is performed based on fixation of applicators according to **Standard A** scheme and its widened modifications **Standard B** and **Standard C** (Fig. 3), which are supplemented with the application of algesic or loading points on the body surface.

To remove slight negative conditions the applicators can be positioned only on the areas of algesic symptoms. For persons suffering from any chronic pathologies and also for those having age functional disorders it is recommended to use **Standard A**- based application scheme; moderate chronic pathologies require use of **Standard B**; in case of severe chronic pathologies **Standard C** is necessary.

It should be taken into account that if any organ or system of the organism has for a long time been in a pathological state, naturally causing accumulation of toxic elements in the internal tissues, use of applicators and the accompanying powerful blocking out of the cytostructure will result in a burst of the accumulated formations to the periphery, thus causing slight allergic skin reactions (reddening, eruption, itch). This process can continue for 3-7 days, after that, owing to the differentiation by the matrix applicator of the existing pathologic load, such manifestations do not repeat. The above reactions must be considered as positive ones for the organism on the whole and as indicative of the effective influence exerted by the correction scheme. At the same time one should take into consideration that such skin reactions as a rule develop in persons with serious hormonal disorders. In this case as a base **Standard B** scheme is recommended. If there is a female patient, two additional applicators are glued on the region of epoophorons projection. **Standard C** is used for treating grave chronic pathologies, conditions of severe intoxication, including postoperative crises.
Fig. 3. Main standards used for matrix applicators positioning.

**SCHEMES OF POSITIONING MATRIX APPLICATORS IN SOME FORMS OF PATHOLOGY**

Headache
Stresses and neuroses

Sleep disorders
Diseases of the cardiovascular system

Complex of points stimulating immune and adaptative functions of the organism
Lumbosacral radiculitis along the great sciatic nerve

Diseases of the endocrine system
Metabolism disorders

Vegetovascular dystonia

Arterial hypotension
Different intoxications

General scheme of application for treating the nervous system diseases
Osteochondrosis

Cervical osteochondrosis with bilateral scapulohumeral periarthritis

For improving concentration and mental working capacity
General scheme for improving the functional status in elderly people

Bronchial asthma

Chronic bronchitis

Arthrosis of knee joints
General scheme for urologic and gynecologic diseases

Pyelonephritis with urolithiasis

Premenstrual pains

Uterine bleeding and climacteric syndrome
Prostatitis

Hyperfunction of the thyroid gland

Acute mastitis
Neurodermite

For treating pyo-inflammatory diseases of fingers and hands applicators are positioned on the dressing or inserted into it and bandaged.

POSSIBLE MANIFESTATIONS OF INDIVIDUAL SPECIFIC REACTIONS RESULTED FROM USE OF “AIRES” APPLICATORS

Persons with the pathologic endocrine system, metabolism disorders, serious hormonal unbalance, as a response to correcting influence of a matrix applicator can develop some specific individual reactions:

In the first place such effects are manifested on the skin in places of direct application. In case of such symptoms it is recommended to take the matrix applicator away from the irritated area, wash skin, wipe it with lotion or smear with neutral cream. In order to reduce the reaction of a separate skin area one has to glue the applicators around the irritated zone or use gauze dressings specially made for a concrete areas.

If such reaction has developed with a person suffering from a chronic disease, it is recommended to use Standard B scheme, obligatory covering zones of liver and spleen projections.

One can also observe different loading effects accompanied by the change of psychoemotional background: some irritation, activity or, on the contrary, depression, collapse, and asthenia. In this situation it should be remembered that the change of metabolic reactions in the organism from pathological conditions to normal (functional) ones always causes certain “unpleasant” states. In these cases it is advisable that Standard B application scheme should be used for 3-6 days.

When treating severe chronic pathologies, sharp short-term reactions in the form of transitory outbreak-like exacerbation can develop.

All the mentioned specific reactions evidence the effectiveness of the correction scheme and they are not at all negative. When observing the above suggested recommendations, they disappear rather quickly (in 3 - 7 days) and do not develop again.
EFFECTIVENESS OF USE

Clinical studies and observations demonstrated a stable positive influence on the functional status of organs and systems of the organism, when the position of the complex of applicators was optimum and the exposure was adequate.

It was shown that use of applicators improves rheologic and biochemical blood parameters (decreasing the level of cholesterol, bilirubin, urea, transaminases, normalizing albumin and globulin ratio, globulin fractions), and increases tolerance to physical loads.

Use of applicators has a pronounced general harmonizing effect; it improves a patient’s status when treating stresses, outbursts of excessive emotional excitability, depressions, lowered working capacity, deteriorated concentration of attention and memory, sleep disorders.

When using applicators, the stomach and small intestine secretory function was normalized, spasmotic pains reduced, and main functions of the liver improved. The influence of applicators had the marked analgetic effect when treating traumas, myosites, neuralgia, radiculitis, osteochondrosis.

The studies performed by the specialists of the Saint Petersburg Military Medical Academy demonstrated a sufficiently high effectiveness of applicators for treating skin burns, and also purulent surgical diseases of fingers and hands.

REFERENCES