



**DESIGNER, MANUFACTURER, USER  
AND SELLER OF THE UNIQUE MEDICAL EQUIPMENT  
THE FIRM ITO «NEW IN MEDICINE»  
PRESENTS DEVICE COMPLEX  
«BIOREGULATOR-004M»**

Asserted by 35 patents for inventions in Ukraine and Russia. Owner of the unique in Ukraine in nomination «Medicine» Golden medal of the International Organization of intellectual property at UNESCO. Creator of «Bioregulator» Dtech., academician of MCA Tarshinov Ihor Victorovich.

«Bioregulator-004M» is successfully operates at clinics, polyclinics, sanitariums, rehabilitation centers, cosmetics salons, private medical clinics, etc.

Due to the Order of MH of Ukraine complex комплекс «Bioregulator-004M» is registered into the State Registry of medical products, allowed for serial production and use in medical practice in Ukraine, entered into the Registry of innovation of MH of Ukraine No. 109/15/01.





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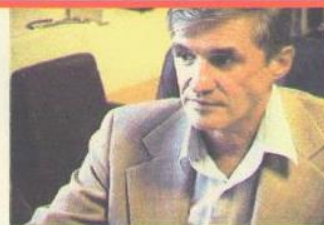
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More than 80 authorized certificates and patents for inventions, ,  
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ITO «New in medicine» actively prepares the younger specialists for work with «Bioregulator» and provides new researches of the medical equipment. Works with graduates of KPI and NAU ( department of space medicine)

Today specialists studied in ITO «New in medicine» work in clinics, atv medical posts, provide research work in the different fields of medicine.

New researches: inclined bed which in combining with «Bioregulator» helps actively treat scoliosis, osteochondrosis, intervertebral ruptures, etc. Ophtalmologic photic apparatus , devices for vacuum influence helping to treat bronchopulmonary diseases and asthma, «Bio-M» is an apparatus for individual use; provides design of apparatus of blood diagnosis.

**At clinic testing in Main military clinical hospital is detected:**

With patients with lymphostase of bottom limbs

With vein insufficiency

With atherosclerotic endarteritis

With radicular syndrome with radiculitis

**Healing amounted – 74%**

**State improving – 18%**

**Efficiency is absent – 8%**

In KMAPE named after Shupik: “10-15 séances of pneumopressing reduces daily usage of insulin for 6-10 units”.

At the station “Academician Vernadsky”: “with rupture of the ligaments of the ankle regeneration of the limb functions and reduction of the pain syndrome become at 8-10 day”.



**Technical data**

1. Consumed capacity of the control block 150 Wt
2. Consumed capacity of the compressor 200 Wt
3. The mass of the control block 15 kg
4. The mass of the compressor 5 kg
5. HWD of the control block 40x42x15 sm
6. HWD of the compressor 32x20x20 sm
7. Optical trainer of the eye muscles
8. Power supply: 220 V, 50 Hz.
9. Limits of pressure regulation 0 – 250 mm of Hg column
10. Number of sectors in pneumocuff 10
11. Mode regulation is discrete.





Influence of pneumopressing is defined by difficult physiologic factors in which many systems and organs take part. According to the character of influence, duration and strength of pressure improves blood circulation of all organs whereupon changes their functional condition and stress loading is removed.

In mechanism of influence important role plays **humoral factor**: Biologically active substances forming in organism transform into the blood, take part in the vessel reactions and activate them. Pneumopressing also supports mechanic influence on tissues stretching them whereupon their flexibility is raised.



Improving of microcirculation of blood and lymph helps to liquidate stagnation, hypoxia and hypodynamia, improve substance interchange and leather breathe. Leather comes elastic, raises its resistance to temperature factors, improves shortening function of the muscles, raises mobility of ligamentous apparatus. Pneumopressing improves work of the heart, topes up the vessel system, helps with removal wastes and radio nuclides from the organism naturally.

Widening the capillaries with the help of enforced blood flow, removing lime-riches, salts, products of the milk acid decay, pneumopressing helps the extension of the number of active microvessels and lavish blood circulation not only of that area of body with pneumocuff but also tissues and organs moving off away of it.

Meanwhile circulation of blood in arteries supports and fastens its outflow through the veins.

After pneumopressing course improves general self-feeling of a patient, fatigue is reduced, attention and perception are raised, reaction for external irritants is fastens, memory improves, capacity for work is raised.

Due to improving of blood circulation of the central nervous system pain and hypertension syndromes are removed, activity of the vegetation nervous system is normalized, immunity is raised, intoxication syndrome is removed.

Pneumopressing combines well with medicament treatment, needle-, reflex therapy, informational therapy, thermal-, water treatment, phito-, aromatherapy and homeopathy.

Pneumopressing is a stabilization factor of the organism work.



Researches were held :

Main clinical hospital of MD of Ukraine (Kyiv).

Hospital named after Burdenko (Moscow).

Research Institute of neuralgia and psychiatry of AMSU (Kharkiv).

Research Institute of surgery and transplantology of AMSU named after Shalimov (Kyiv).

Kyiv medical academy of postgraduate education named after Shupik.

State Olympic educational sport centre (Kyiv) at Olympiads in Salt Lake City and Athens.

Institute of oncology (Kyiv) and many other medical institutions.

NMU named after O.O. Bohomolets at ophthalmology department.

Children department of the psychiatric clinic named after Pavlov

Nowadays researches with «Bioregulator» are held at the Antarctic station «Academician Vernadsky» and area of Antarctic peninsula according to the Charter of 09.07.97 about special partnership between Ukraine and organizations of the North-Atlantic Agreement. The topic of researches: «Adaptation of the human organism for extreme conditions».



#### TREATMENT IS RECOMMENDED:

**1. with orthopedic diseases with neuralgia effects after dystrophic processes of the backbone:**

- ⇒ osteochondrosis, arthrosis, arthritis, polyarthritis, scoliosis; posttraumatic lesions and contractions, spastic paraparesis, myositis, neuralgia, bedsore.

**2. with damages of the gastrointestinal tract functions:**

- ⇒ diskinesis of bilious tracts, chronic cholecystitis; ulcerous disease of the stomach and duodenum; chronic pancreatitis.

**3. for reduction of reflectory pain syndrome of neuralgia diseases;**

**4. for the treatment of disseminated encephalomyelitis ; patients with disculatory encephalopathy;**

**5. for the treatment of hyper- and hypotonic, damages of blood circulation of the brain**

Researches were held in the Research Institute of neuralgia and psychiatry of Kharkiv. Were published methodical recommendations and monography "The treatment of vessel diseases of the brain and spinal cord".

**6. with macro- and microcirculatory damages of blood circulation in top and bottom limbs:**

- ⇒ lymphostasis, varicose widening of the veins including with trophic ulcersческими язвами, Rayno disease, obliterary endarteritis, obliterary atherosclerosis, thrombosis of deep veins, diabetic angiopathy.

Researches were held at state topic "Creation of technologies of therapeutic treatment, prophylaxis and rehabilitation of vessel diseases of limbs with the help of therapeutic complex of own design «Bioregulator»".

The decision of the Committee of the Ministry of education and science of Ukraine: "Committee offers to present a method of a volume pneumopressing into the practice of the clinical medicine for the treatment of the vessel diseases of the limbs with the help of therapeutic method by means of the system action device «Bioregulator». To propose the Cabinet of Ministers the state order of the device complex «Bioregulator» and its implementation into the medical practice". Were published methodical recommendations approved by AMS of Ukraine and MH of Ukraine.

**7. with damages of endocrine system related to the substance interchange:**

- ⇒ pancreatic diabetes, obesity, cellulitis.

Researches were held in KMAPE named after Shupik. At the international symposium of endocrinologists in 2001 N.I.Buglak, MedD. has said: "As showed our researches, after 10-15 days of using pneumopressing self-feeling of patients is improved... healing of trophic ulcer is detected. For most of the patients was detected reduced level of glycemia and its allowed the daily dosage of insulin for 6-10 units." With work of diabetes Type II in the sanitarium "Sosnovy bor" ("Сосновый бор") reducing of sugar amounted from 15 to 33 % of advanced level (published in the article in "Zhurnal prakticheskogo vracha" ("Журнал практического врача"), authors Bepaly N.A., MedCandidateA., Virchenko V.V.; Shatrava F.M.).

**8. with diseases of respiration organs and heart-vessel system:**

- ⇒ hypertonic disease of 1-2 level; miocardiodystrophy; vegetvessel dystonia, chronic bronchitis, chronic non-specific pneumonias, antritis.

Researches were held in RMO of Pechersky district, in republic clinic of railway men, in clinic of "Vodniki" ("Воднику". (Results are reported at the international symposium of the gerontologists in 2002. Theses are published).

**9. with psychoemotional damages, physical and intellectual stress:**

- ⇒ after stress situation; with depression and neurosis; with withdrawal syndrome; before and after sport competitions for removing of the stress and rehabilitation of muscle functions.



10. with treatment of metheodepending, при лечении метеозависимости, VSD, hyper- and hypotonic, syndrome of chronic fatigue.

11. with treatment of fractures, tensions and ruptures of the ligaments, burns.

*Researches were held in Research Institute of neuralgia and psychiatry, State Olympic educational sport centre at Olympiads in Salt Lake City and Athens. The report is presented by MBO NOK of Ukraine by the director deputy GO USC (head doctor of the centre) colonel of medical services Bubes Ya. G., at the Antarctic station "Academician Vernadsky" at the South Pole.*

**IN AMBULATORY CONDITIONS TREATMENT IS CONTRAINDICATED WITH:**

- infectious diseases;
- oncology disease in the process of metastase;
- septic and infectious dermal diseases;
- difficult diseases of heart-vessel system, aspiration organs at the decompensate phase.

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