



GAZELLI EXPERT

PROFESSIONAL CHOICE



GAZELLI GROUP

AZERBAIJAN | EST. 1999



ACTIVE COMPLEXES



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VITASU™ COMPLEX

A stabilized form of iodine-bromine mineral water with soothing, regenerating, anti-inflammatory, absorbable, and prolonged moisturizing effects. The complex stimulates metabolic processes in skin tissues, improves its regenerative properties and functioning, intensifies capillary circulation, increases the number of active capillaries, normalizes vascular tone, and has an anti-inflammatory and absorbable effect.



EFFECT OF IODINE-BROMINE WATER

Due to its physicochemical properties, **iodine** may directly affect microcirculation, vascular wall elasticity, blood rheology, and lipid metabolism. Iodine ions are built into the thyroxine and triiodothyronine structure while restoring basic metabolism in the body and stimulating protein synthesis and the oxidation of carbohydrates and lipids. Accumulating at the inflammation site in the lungs, iodine ions inhibit alteration and exudation and stimulate reparative regeneration (structure collagen and elastic fibers of connective tissue).

The physiological significance of bromine is its direct impact on the central nervous system. The therapeutic effect of bromine is based on intensifying inhibition in the cerebral cortex and restoring the ratio of excitation and inhibition. Once in the bloodstream, bromine reduces muscle tone, blood pressure, and heart rate and ensures a complete rest.

Iodine and bromine effectively affect the cardiovascular system by increasing the blood fibrinolytic activity suppressed in atherosclerosis and reducing its coagulation properties and platelet aggregation ability, which normalizes coagulation homeostasis.

The morphofunctional condition of the myocardium improves, and morphological signs of vessel atherosclerosis are reduced, testifying to the specific inhibitory effect of iodine and bromine on atherosclerosis; they have vasodilatory, diuretic, and hypotensive effects. General well-being improves; headaches, insomnia, and heart pains disappear. The normal cortical-subcortical relationship is restored in the nervous system.

The anti-inflammatory effect is determined by iodine's pronounced ligament, bone, and cartilage tissue-seeking and impact on hemodynamics, which is manifested by vasodilation, active redistribution of blood, and regulation of local circulation. It intensifies blood circulation, changes the endocrine gland function, and reduces autoimmune disorders.

Iodine-bromine water improves renal blood flow and the kidneys' activity and normalizes metabolic processes in them, thereby suppressing inflammation. The therapeutic effect for kidney diseases is also determined by its vasodilating and diuretic effects.

In gynecological diseases, its anti-inflammatory, hemostatic, and analgesic effects and positive impact on the function of the pituitary gland and ovaries play an important role.

VITAVOL™ COMPLEX

A stabilized form of volcanic knoll clay with amplified biologically active properties. It contains a natural complex of humic acids and hormone-like and antibiotic-like substances. It stimulates metabolic processes in skin tissues, strengthens their regenerating properties, has anti-inflammatory, bactericidal, and wound-healing effects, comprehensively affects the skin, and improves its functions. In dermatological practice, this complex is an effective drug in the treatment of acne, chronic eczema, inflammation, and neurodermatitis.



EFFECT OF VOLCANIC CLAY

Knoll muds* are natural colloidal mineral pelites with a healing effect on the human body due to their plasticity, high heat capacity, slow heat transfer, and the content of bioactive substances.

Knoll muds have a mineral composition and properties, significantly distinguishing them from organic peat, sapropel, and silt peloids of salty coastal sea lakes. Chemically, they are characterized by containing sodium hydrocarbonate and chloride-sulfate-sodium ions and often contain an increased amount of B, Br, J, Li, and other trace elements (V, Mo, Zn, Cu, Na, Cl, Mn, As, Se, etc.).

Knoll muds with high adsorption properties can penetrate deeply into the skin while increasing its lymph and blood flow, accelerating metabolism in all its layers, and intensifying cellular regeneration. Given the aforementioned, indications for external use of knoll pelites are diseases of the nervous system (mono- and polyneuropathy, consequences of spinal cord and brain injuries); the musculoskeletal system (arthrosis, infectious and inflammatory arthropathy);

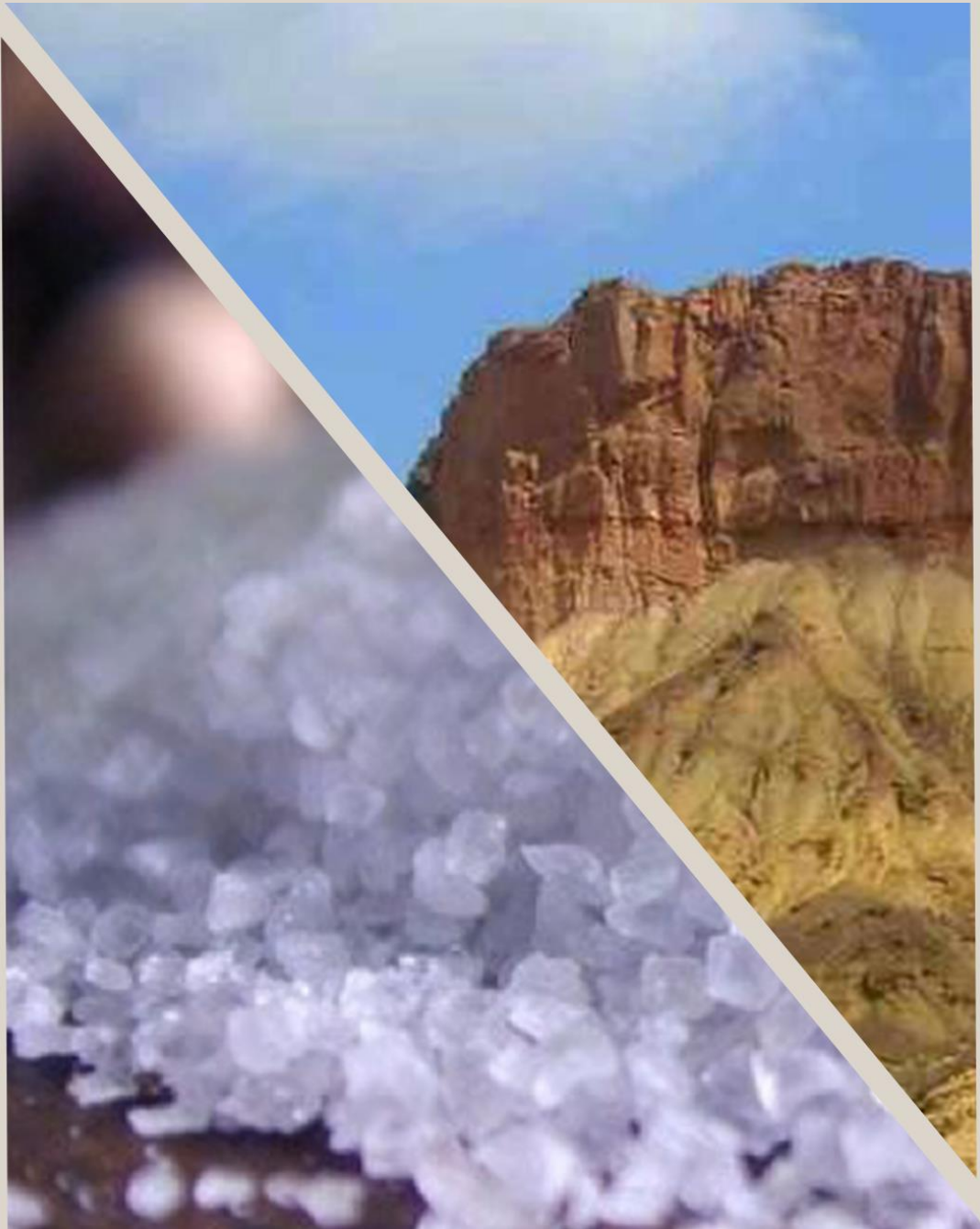
the circulatory system - hypertension, coronary heart disease (mainly in the treatment of concomitant pathologies of the nervous and musculoskeletal systems); peripheral arteries and veins; the respiratory, digestive, and genitourinary systems; skin (dermatitis, eczema, papulosquamous disorders, urticaria, skin appendage diseases, scars, keratoses, etc.); ear and mastoid process.

Physicochemical features allow for applying peloid therapy with volcano muds for some clinical conditions with an increased risk of negative cardiovascular and nervous reactions where other types of mud therapy are problematic or even contraindicated. Knoll mud procedures gently affect the body and are well tolerated, which allows them to be used in weakened patients, the subacute stage of diseases, and the presence of concomitant pathologies.

* Knoll muds are products of eruptions of mud volcanoes; therefore, they are also called volcanic (or pseudo-volcanic) clays

BIOMINERAL™ COMPLEX

Gel complex based on the salt of thermal carbonic-arsenic water of the Daridag spring (Nakhchivan Autonomous Republic, Azerbaijan), which has an antihistamine, anti-inflammatory, analgesic, and destressing effect, intensifies phagocytosis and circulation and positively affects tissue trophism and regeneration. This complex form preserves and exalts the natural composition of water to the uttermost. The complex has a pronounced preventive and corrective effect on cellular metabolism disorders and inhibits aging, acting as a natural antioxidant. It is recommended for dermatological use and as part of treatment and preventive programs in SPA and physiotherapy.



EFFECT OF ARSENIC-CONTAINING MINERAL WATER*

Daridag features high-output arsenic mineral springs. The valuable healing properties of this water are determined by boric acid, lithium, large amounts of carbon dioxide, iodine, bromine, iron, and other components in its composition along with a large amount of arsenic. They belong to relatively rare varieties of mineral waters. This carbonic-arsenic-iron-chloride-hydro carbonate-sodium water is similar to the Kidova (Poland), La Bourboule (France), Durkheim (Germany), and Sinegorsk (Russia) mineral waters. The therapeutic effect is determined by bioactive arsenic compounds in its composition and other mineral water specifics (content of gases, primarily carbon dioxide, general mineralization, and the presence of other chemical elements - sodium, chlorine, bromine, etc.).

Arsenic is one of the most active elements involved in metabolism. It affects the rate of enzymatic processes of tissue respiration and is a biologically essential trace element for a living cell.

In the arsenic-containing water action mechanism, certain importance is also attached to changes in metabolism and improvement of tissue respiration. It stimulates hematopoiesis and the functions of the cardiovascular system, stomach, intestines, and immune system. Typically, these waters are used to treat patients with cardiovascular, blood, skin, nervous, musculoskeletal, stomach, intestines, and some endocrine diseases.

It has been found that when applied externally (through mucous membranes or skin) and internally, arsenic-containing water restores the disturbed balance between inhibition and excitation. It normalizes blood clotting and significantly reduces blood serum cholesterol and beta-lipoproteins, which indicates that this mineral water can normalize cellular metabolism by affecting the nervous and neurohumoral regulation of fat and protein metabolism. Herewith, arsenic affects enzymatic processes, contributing to changes in the energy potential of cells and increasing their resistance to various impacts.

Arsenic-containing water strengthens the tone of the parasympathetic part of the autonomic nervous system and ensures the optimal heart rate, which positively affects cardiac activity.

* CARBONIC-ARSENIC WATER

Ingredient

NAFTALAN OIL EXTRACT

Substance information

“Extract” generally refers to a solvent extract, eg with water, alcohol or carbon dioxide.

Function(s) of this ingredient in cosmetic products

SKIN CONDITIONING

Maintains the skin in good condition

Belongs to the following substance groups

Ingredients for skincare >

This is a transparent, colorless extract obtained by complex, multi-stage processing of natural Naftalan. The basic chemical structure of the concentrate is like natural human hormones. The concentrate contains 99% of the key active ingredient (naphthenic hydrocarbons). It acts in synergy with the skin and triggers the most important processes: metabolism, cell vitalization, stimulation of collagen and elastin synthesis, microcirculation, and antioxidant protection.

GAZELLI GROUP was the first to isolate a unique natural component, Naftalan Oil Extract (Gazelli White Oil™), insert it into the international INCI system and apply it in cosmetology.

A natural mix of minerals and trace elements (zinc, copper, etc.) in the oil increases its physiological activity. GWO is a new direction in anti-aging therapy. It can be widely used in medicine and cosmetology. It is recommended as part of healing and preventive programs in SPA and physiotherapy.

COMPARING NAFTHALAN PRODUCTS



NATIVE NAFTHALAN

Naphthenes – 50-55%

Aromatics – 10-15%

Resins – 14-15%

Bioavailability – 8-10%



DERESINED NAFTHALAN

Naphthenes – 50-55%

Aromatics – 10-15%

Resins – 0.05%

Bioavailability – 15-20%



Gazelli White Oil™ (GWO)

Naphthene – 99%

Aromatics – 0%

Resins – 0%

Bioavailability – 80-90%

NAFTALAN-CONTAINING COMPLEXES

SWON 40™

The advanced technology and the complex formula based on Gazelli White Oil™ (GWO) make it completely soluble in water and indispensable for bathing and use as a body mask. It has all the GWO properties.

ENTERA™ KOMPLEKSI

It contains highly effective purified Naftalan and natural oils. The unique ENTERA™ complex stimulates regeneration and improves the elasticity and firmness of skin tissue, making it smoother and velvety. The complex restores the lipid mantle of the epidermis, protects the skin from the negative impact of external factors, and deeply nourishes and moisturizes it, eliminating dryness and its consequences: peeling, a sense of tightness, roughness, and superficial wrinkles. It ensures relaxation, combats stress, strengthens the immune system, and increases the protective properties of the epidermis. ENTERA™ slows down skin aging and removes signs of age-related changes, rejuvenates skin, and makes it more elastic and toned.

NAFTOVIT™ KOMPLEKSI

This biocomplex combines the interaction of purified natural Naftalan, vitamins, and plant extracts. The complex has regenerating, antioxidant, stimulating, anti-inflammatory, vasodilating, and analgesic effects. It improves the regenerative properties of the skin, metabolism, and circulation and has a wound-healing effect.



NAFTALAN...Thick blood of the Earth. Black-brown or yellow-goldish, looking like it is filled with the sun. When did people know about its healing properties? Who discovered this magic gift of nature hidden in the depths of the Azerbaijani land?... The ancient pages of history do not answer these questions. But the fairy tales and legends of the East talk a lot about the wonderful 'mountain oil.' About the origin of the word 'Naftalan'. According to some scholars, it comes from Arabic 'naft' or 'alnaft', which means 'mountain oil'.

NAFTALAN'S HISTORY

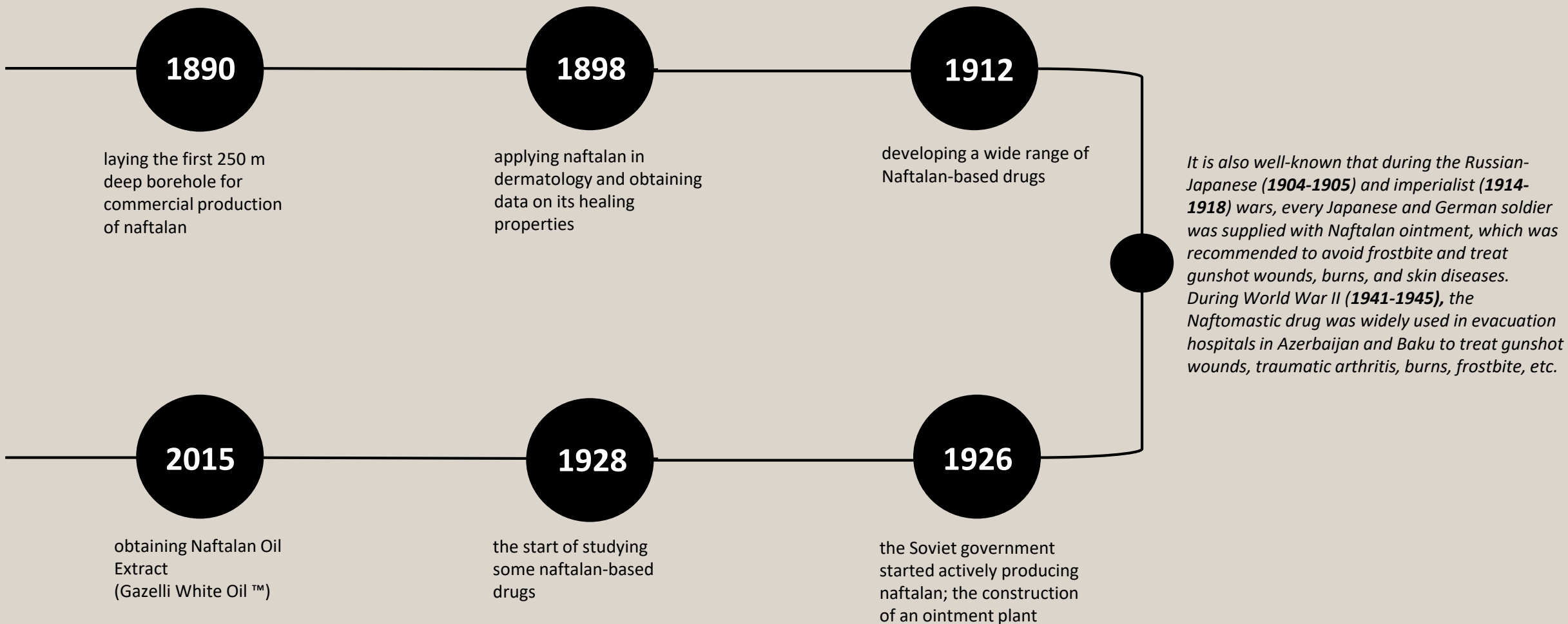


The great Azerbaijani philosopher and poet Nizami Ganjavi (1141-1201), in his poem KHAMSA, first describes in poetic form his observations of exporting naftalan by caravans from the village of Safi-Kurd located near the present-day city of Naftalan.



Then, the famous 13th-century traveler Marco Polo, who passed through Azerbaijan on his way from Venice to China, also mentioned naftalan in his treatises.

NAFTALAN'S HISTORY



More than 100 years have passed since the start of the research and use of Naftalan. Its high efficacy in numerous diseases has been firmly proven. Since 1896 and to date, more than 1,600 scientific papers and monographs have been published in the literature, including 270 candidate and Ph.D. theses.

HEALING PROPERTIES

✓ **Desensitizing properties**

Penetrates the skin and directly affects it - dilates skin capillaries, reduces itching, and stimulates the resorption of inflammatory infiltrates.

✓ **Disinfecting properties**

It helps dry pustules and restore the skin epithelium.

✓ **Resorbing and reflexory properties**

It normalizes metabolic and enzymatic processes and positively affects the cardiovascular, nervous, and muscular systems. It reduces the tone of smooth muscles, dilates blood vessels, improves the rheological properties of blood and lipid peroxidation, normalizes the coagulation properties of blood, and has an immunocorrective effect.

✓ **Anti-inflammatory and analgesic properties**

It has pronounced analgesic and anti-inflammatory effects. It stimulates the natural biosynthesis of steroid hormones, inhibits synthesis, and inactivates inflammatory mediators.

✓ **Analgesic properties**

It suppresses inflammation, reduces the tactile sensitivity of nerve terminals, increases the threshold sensitivity of the skin, and affects the serotonergic mechanisms of the antinociceptive system.

✓ **Local warming properties**

It stimulates local microcirculation, improves hemolymphatic drainage, activates metabolism and diffusion, and thereby contributes to forming a new level of tissue trophism and restoring local homeostasis disturbed by the disease.

INDICATIONS FOR USE

- ✓ **Joint and spine diseases:** rheumatoid arthritis, brucellosis polyarthritis, psoriatic polyarthritis, osteochondrosis of all the spine parts with radicular manifestations, spondylosis, secondary (post-traumatic) deforming osteoarthritis, post-traumatic contractures.
- ✓ **Extra-articular diseases of soft tissues and the musculoskeletal system:** bursitis, tenovaginitis, periarteritis, myositis, myalgia, and myofascitis.
- ✓ **Peripheral nervous system diseases:** radiculitis, sciatica, neuralgia, neuritis.
- ✓ **Peripheral vascular diseases:** atherosclerosis of the lower extremity vessels, obliterating endarteritis, thrombophlebitis, varicose veins, trophic ulcer.
- ✓ **Skin diseases:** psoriasis (in remission), eczema, neurodermatitis, scleroderma, ichthyosis, seborrhea, dermatitis of various etiologies.
- ✓ **ENT diseases:** tonsillitis, rhinitis, sinusitis, frontal sinusitis, maxillary sinusitis, otitis.
- ✓ **Gynecological diseases:** cervicitis, chronic and recurrent colpitis, adnexitis, salpingo-ophoritis, metritis, primary and secondary infertility, uterine underdevelopment, cervical erosion of non-trichomoniasis etiology, amenorrhea, ovarian dysfunction, hypoplasia, menopausal syndrome.
- ✓ **Chronic nonspecific prostatitis.**
- ✓ **Dental diseases:** gingivitis, periodontitis, paradontosis.
- ✓ **1st, 2nd, and 3rd degree burns.**
- ✓ **Frostbite.**
- ✓ **Hemorrhoids (internal and external).**
- ✓ **Difficult-to-heal wounds:** rotting, post-operative, and gunshot wounds and their complications.
- ✓ **Sports medicine and traumatology:** bedsores, bruises, muscle strains.
- ✓ **Cosmetology and anti-cellulite technique.**



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