

# Guna

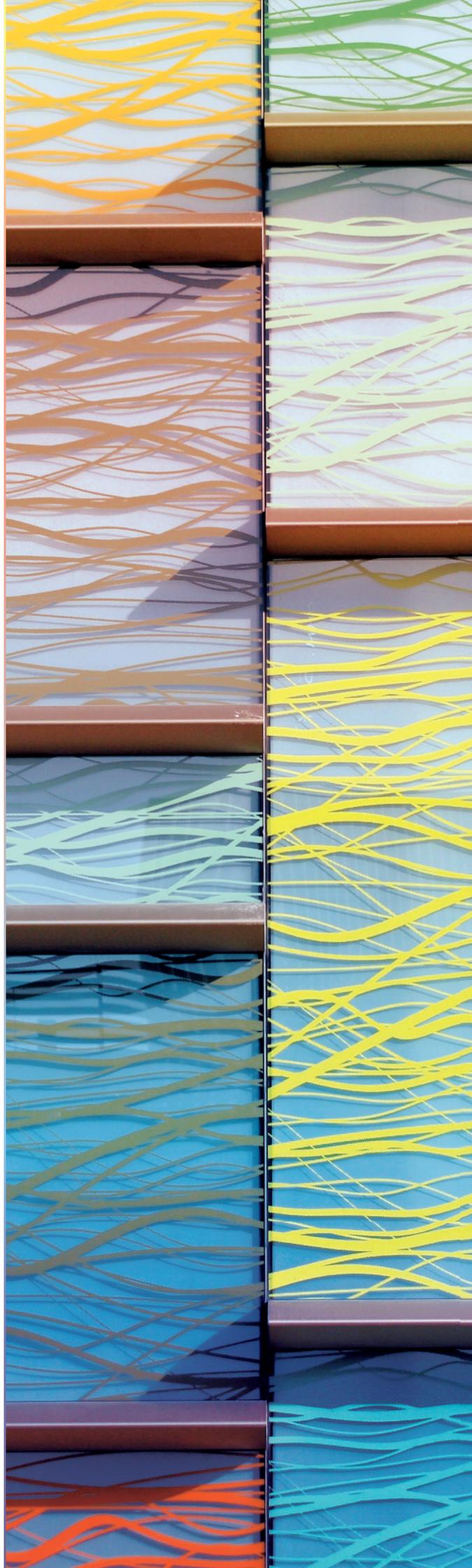
# Therapeutic

# Guide



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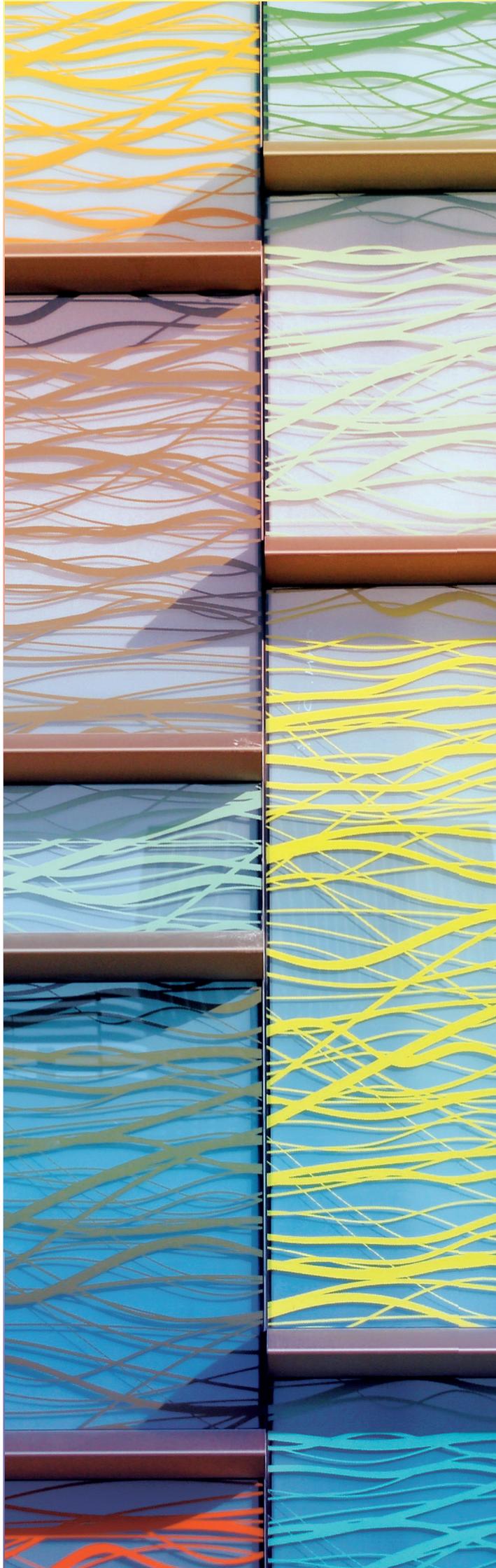
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Printed in September 2016



# GUNA

## THERAPEUTIC GUIDE

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# Foreword

Dear  
**Reader,**

through the points of our Manifesto, on next page, I am pleased to guide you on a short journey through our history, our corporate philosophy, our commitment to research, our success, the goals we have been striving to reach for the last three decades since the inception of Guna S.p.a. In addition, I am pleased to share with you the meta-goals we have set ourselves to achieve in the future.

I am proud to introduce you to our complete range of products, our therapeutic vision and approach as well as to the results of pre-clinical and clinical research studies. We are aware that this long journey has just started, however, and above all, we are aware that we are on the right track and looking forward, with great enthusiasm, to discovering what lies ahead and to taking our chance to make a positive, lasting change in the lives of millions of people across the globe.

Thank you for your time, attention and dedication.



**Alessandro Pizzoccaro**  
President and Co-founder of Guna S.p.a.



# The **Manifesto** Vision - Mission - Values

---

A **pharmaceutical**  
Company

Guided by  
**ethical principles**

Devoted to  
**scientific research**

Focused on  
**education and scientific information**  
addressed to doctors and pharmacists

Aimed at promoting  
**natural-based health products:**  
unique - effective - innovative - without side effects

Targeted at affirming the values and the model of  
**Human-centered Medicine**  
in harmony with **Nature**

Contributing to make the World a  
**better place to live in.**

# Guna - A pharmaceutical company

From the dream of a person-centered Medicine in harmony with nature, from a modern and visionary idea of effective drugs with no side effects, from the project of a company founded on solid ethical principles and devoted to research, Guna S.p.a. was founded in Milan in 1983.

Today, with over 250 employees and a presence in over 30 countries on 4 continents, Guna is one of the world's most intriguing companies in the field of Low Dose Pharmaceuticals, Medical Devices, Nutraceuticals and Cosmeceuticals.



**Guna S.p.a. is the leader in Italy in the field of low dose medicine.**

1983

**Guna** was founded in Milan.

Creation of the magazine "**La Medicina Biologica**"

1989

Guna **first production facility** is authorized by the Italian Ministry of Health

1993

**Production** of cytokines, hormones, neuropeptides and growth factors in activated low doses

1996

**Founding** of the Italian Academy of Biological Medicine.

2001

International development in **Eastern Europe**

2003

International expansion in **Central America** and **South America**.

## 30 years of Quality, Technology and Innovation

Technological innovation is the principle which has inspired **Guna** since its beginning.

The new production facility, opened in 2008, covers an area of 65,000 square feet on four levels.

**Guna Laboratories** are authorized in accordance with the international requirements of Good Manufacturing Practice (**GMP**) and all the production procedures are approved in accordance with ISO 9001:2008 and ISO 13485:2012 Medical Devices rules.

Hundreds of different products are part of Guna range, including:

**Pharmaceuticals**  
**Food Supplements**  
**Medical Devices**  
**Cosmoceuticals**  
**Bach Flowers**

Since **2006** more than **70 products** are **FDA listed**

## 30 years of Efficacy, Safety and Scientific Progress

Guna Laboratories are known throughout the world for their medicines which are effective and without side effects. Studies of Molecular Biology and Biochemistry, applied to medicinal plants and to biological molecules (neuropeptides, cytokines, hormones and growth factors), have led Guna to investigate the extraordinary therapeutic possibilities of the active ingredients used in its products.

The use of low doses is the core of Guna Pharmacology. Efficacy without side effects is the result of the encounter between low dosages of active principles and the innovative pharmaceutical technique called SKA (Sequential Kinetic Activation), developed and standardized by Guna Laboratories.

The SKA technology allows to use active principles, including molecules of biological origin, in lower doses (i.e. below the minimum dose considered as pharmacologically active), but with an effectiveness which is comparable to the doses normally used in pharmacology.

2005    2006    2008    2010    2013    2016

**Guna Inc.** was founded in the United States.

Over 70 products are **FDA** listed.

**Guna** obtains the Quality Certification UNI EN ISO 9001:2000.

Inauguration of the **new production facility** in **Milan**

Launch of **Guna Collagen Medical Devices**

Development of **Physiological Nutraceuticals**

Over 30 publications, including **clinical trials, basic research studies, editorials** and overviews **on Low Dose Medicine** are published on indexed international journals

# Guided by **Ethical principles**

**It is not only important what we do, it is equally important the way we do it.**

We are aware that profit is the target of a company, and we recognize this aspect of our work without any hypocritical attempt to argue otherwise, but we are equally convinced that the search for gain cannot and should not be separated from ethics and meta-social objectives and that business can have a human face.

In the model of business we believe in, the interests of the shareholders and the community match. As the community evolves and improves the quality of life for its people, a dynamic company improves its position and expands its activities.

As a company, we know we have many responsibilities: we must invest in scientific research, in employment, in technological innovation, in the well-being of our employees and in the improvement of our society. That is why we work every day with intensity, skill and passion to improve the health of the people living in the countries where we do business and, in general, promote a more conscious approach to health and disease.

We want our medicines to be accessible to everyone, and that the access to health becomes a basic human right recognized everywhere in the World. Guna is a **patent-free** and **copyleft** company. We think that the spreading of ideas and information are the engines of progress.

We want to be sure that our customer is always satisfied with the services we offer, from the quality of the production process to the therapeutic results of each individual patient.



**Focused on** education and scientific information addressed to Doctors and Pharmacist

## **We work to form expert physicians and conscious patients**

Since its founding, one of the distinguishing features of Guna is the strategic role assigned to the training of Doctors and Pharmacists and to patient information.

Independently or through the support of Medical associations, Guna organizes every year, in Italy alone, over 600 teaching days. Such commitment to education has been and still is the best tool to provide adequate and up-to-date knowledge of Low Dose Medicine, as it is more and more requested by doctors, pharmacists, health professionals and also by patients.

In recent years we have experienced a growing interest by academic institutions regarding Low Dose Medicine. Since 2011 several Italian universities, including Parma, Verona, "Sapienza" Rome, Siena, Novara, "G. Marconi" Rome, have established Postgraduate Courses and Master Degree Programs.

Outside Italy, the therapeutic success of Guna medicines, their innovative spirit and research results, have brought Low Dose Medicine into the classrooms of some of the most important universities of the world: Loyola University Chicago, University of Wisconsin- Madison, Miami Miller School of Medicine, Arizona State University and London Royal Society of Medicine. Every year thousands of doctors all over the world attend seminars sponsored by Guna and its partners.

Passion, expertise, teaching experience, along with an agility that is oriented to a practical immediate teaching style make Guna courses a benchmark of excellence for medical updating.

Moreover, Guna network of medical representatives and pharmacy agents is an evidence of professionalism and expertise in spreading low dose medicine, its scientific bases and possible clinical application.



# Devoted to Scientific Research

**We want to be sure of the effectiveness of our products.**

**Scientific Research and Clinical Trials** are the most important pillars underpinning the success of Guna in the global pharmaceutical field.

Every year Guna invests considerable resources in Basic and Clinical Research.

Guna cooperates with some of the most prestigious Italian and foreign Universities by supporting, in particular, the research regarding the biological activity of low doses and contributing to the creation of a new pharmacological paradigm.

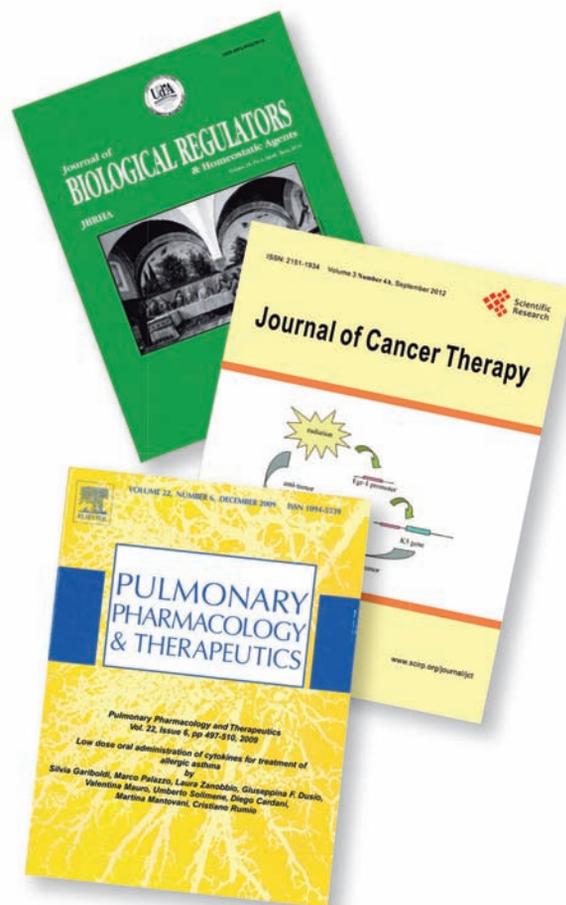
Basic Research on isolated cell lines and animal models, has led Guna to understanding the action mechanisms of activated nanoconcentrations, demonstrating their effectiveness and safety. Over the past eight years, great emphasis was given to **Clinical Research** for the definitive validation of the therapeutic effects on patients.

Through close collaboration with some of the most prestigious Italian Research Institutes and some of Italy's most renowned Universities (among others: Istituto Superiore di Studi Sanitari, Rome; Hospital "Fatebenefratelli", Rome; "Polyclinic Institute" Milan; "Sapienza" University, Rome; Hospital "City of Health and Science, Turin, Cattolica University Polyclinic Institute "Gemelli" Rome, University of Florence department of rheumatology, University of Pavia department of pediatrics.), Guna launched in 2010 the Clinical Research project, initiating numerous trials on a number of high prevalence diseases and developing advanced therapeutic approaches.

Numerous basic and clinical research studies have been published on high impact factor international journals.

Thanks to the efforts in this direction, today Guna pipeline includes numerous ongoing clinical research projects, including studies on Crohn's Disease, Rheumatoid Arthritis, Vitiligo, Fibromyalgia, Rotator Cuff Syndrome, Knee Osteoarthritis, and Recurrent Respiratory Infections (RRI) in pediatric population.

Guna is one of the official partners of C.R.E.B.I.O.N. (Interdepartmental Research Centre for the Study of Biological Effects of Nano-Concentrations) of the University of Milan.



## Aimed at promoting **products**

### **Unique - effective - innovative- without side effects**

Innovation, research, experimentation, effectiveness, and absence of side effects are the reasons of the Company's success.

Guna has developed and continues to research innovative medicines for a wide spectrum of diseases in numerous therapeutic areas.

Guna produces natural and effective drugs without side effects, able to physiologically stimulate the biological processes underlying the maintenance or recovery of homeostatic conditions and respectful of the health of every single person.

### **Therapeutic areas**

- **Allergology**
- **Anti Ageing and Regenerative Medicine**
- **Dermatology**
- **Gastroenterology**
- **Clinical Immunology**
- **Aesthetic Medicine**
- **Preventive Medicine**
- **Ophthalmology**
- **Pediatrics**
- **Rheumatology**
- **Pain Therapy**

Targeted at affirming the values and the model of **Human centered Medicine** in harmony with **Nature**

### **Improving patients' life, generating well being**

- We believe that every patient is first of all a man who suffers.
- We think that health is not just absence of disease.
- We believe that man is mind, body and spirit.
- We think it is possible to act on the causes and symptoms of the disease together.
- We think that it is possible to offer drugs without negative side effects.
- We think that Nature is the most extraordinary "pharmaceutical industry".
- We think that a Medicine that understands the intimate mechanisms of both Biology and human Physiology is able to develop a new generation of drugs: innovative, effective, respectful of the human being and in harmony with Nature

We believe that this **Medicine already exists**

Guna

# Pharmacology

## Low Dose Medicine: The New Paradigm

*Per minima ad maxima*

Since 1994, Guna S.pa. has invested significant financial and intellectual resources, first in studying a new therapeutic concept, then in research and development of those pharmacological principles that are the cornerstones of a new vision of Medicine. The results of pre-clinical and clinical research studies have put Guna in the limelight because of the interest of both Italian and international scientific community, thus accelerating the company's worldwide expansion.

Low Dose Medicine (LDM) was born from Guna's ideal of a human-centered Medicine, in harmony with Nature. LDM is a new medical paradigm developed from the merging of Molecular Biology, Psycho-Neuro-Endocrine-Immunology (PNEI) and the great tradition of the homeopathic method.

Low Dose Medicine is a person-centered Medicine, based on three concepts drawn from the principles of classical homeopathy:

- 1. to treat the person and not just the disease**
- 2. to act on the cause and not just on the symptom**
- 3. to consider a person as a whole, and in his/her individuality.**

Low Dose Medicine stems from an original idea in the medical field: to bring back a sick organism to its original physiological conditions by using

natural substances derived from herbal, animal, mineral sources, as well as those biological molecules that are normally present in the body and that, in healthy conditions, monitor and guide body's physiological functions. These molecules are called signaling molecules and they are cytokines, hormones, neuropeptides and growth factors.

Set in the conceptual framework of Low Dose Medicine, Guna pharmacology has allowed to develop **two main product lines**:

- 1. Medicines containing low doses of single cytokines, hormones, growth factors or neuropeptides.**
- 2. Multi-component, multi-target medicines (combining signaling molecules with remedies derived from herbal, mineral, and animal sources).**

## Low-Dose Cytokines, Hormones, Growth Factors, Neuropeptides

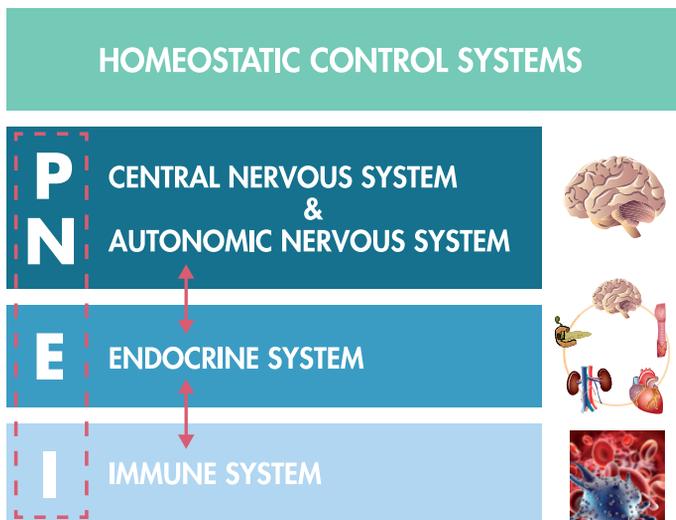
Since the 1970s, research studies in the fields of Physiology and Molecular Biology have highlighted the critical role of signaling molecules in all physiological and pathological processes.

It is acknowledged that these substances play a decisive role in determining a state of health or illness, and it is now established that every disease is the expression of an altered concentration, i.e. an excess or a deficiency, of these substances. Many international medical research studies are focused on studying signaling molecules and their role in determining the positive (healing) or negative (progression) evolution of a great number of pathological conditions, and therefore the possibility of using them for therapeutic purposes.

Moreover, in the last years the medical field has undergone a gradual shift from the separatist and scotomized vision of body's biological functions, giving way to a more unified vision, according to the guiding principles of Psycho-Neuro-Endocrine-Immunology (P.N.E.I.) [1-4].

The P.N.E.I. approach represents a real paradigm shift in Medicine: from a strictly biomedical and specialized view of health and disease to a deeply interdisciplinary one. The key for understanding the P.N.E.I. approach is the cross-talk between the psycho-neuro-endocrine systems and the immune system (Figure 1).

**Figure 1:** P.N.E.I. network and bi-directional cross-talk between the systems.

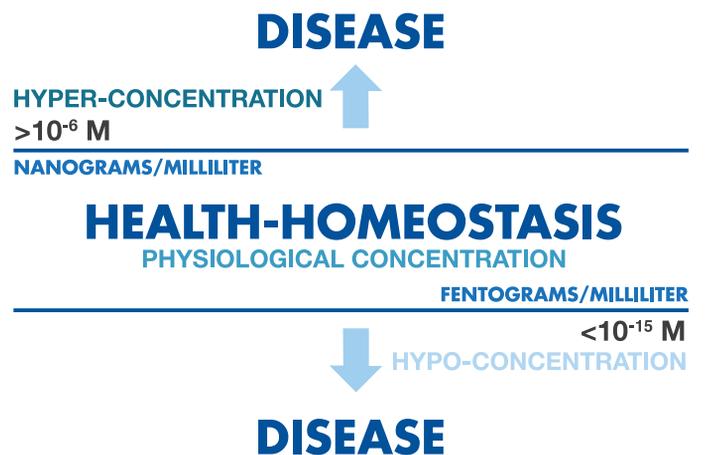


This sophisticated cross-talk [14-16] is mediated by a complex network of signaling molecules (cytokines, hormones, neuropeptides and growth factors), which are the vehicle of the biological information necessary for such a complex and efficient regulation of cellular responses to stimuli. An altered cross-talk due to an imbalance between specific signaling molecules is fundamental, for example, in the onset of inflammatory, allergic and autoimmune diseases [5-7]. Restoring the physiological concentration of signaling molecules

is the key point to recover the homeostatic balance. In homeostatic conditions (corresponding to a healthy state), the concentrations of these molecules in the extra-cellular matrix (ECM) [8-9,17,18] are comprised in a specific physiological range (from nanograms/ml to picograms/ml) [19- 20] and diseases can be considered as expressions and consequences of an altered concentration of these fundamental substances [10-13] (Figure 2).

The signaling molecules used in LDM are orally administered and their activity is systemic (working on complex cell signaling pathways). Scientific literature reports that cytokine oral intake is effective in modulating immune response [21- 24] and that a possible action mechanism involves M cells at the level of intestinal epithelium.

**Figure 2:** Range of physiological concentration of signaling molecules at the level of the extracellular matrix.

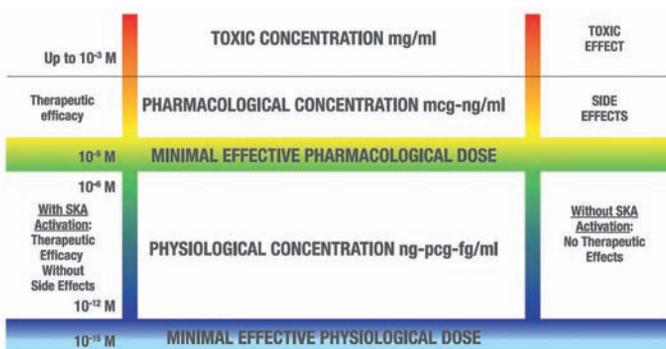


## How “low” must a low dose be (to be effective and safe)?

A critical point of signaling molecules (and peptides in general) oral administration is represented by their low bioavailability (typically less than 1-2%); an effective **drug delivery system** is requested in order to improve this key parameter.

The use of physiological low doses (nanograms-picograms) (Figure 2) *per os* in LDM is made possible by the application of SKA technology (Sequential Kinetic Activation), a particularly sophisticated drug delivery system, based on the principles of quantum physics (“release activity”: ability of the basic substance to release its activity in the aqueous milieu) [25], which allows the nano-concentrations to be active, even below the actually considered minimum effective dose, with therapeutic results comparable to those induced by high concentrations. The action mechanism of low dose SKA cytokines, hormones, neuropeptides and growth factors consists in the sensitization or

**Figure 3:** Relationship between signaling molecules concentration and their effects.



activation of some units of cellular (or plasmatic) receptors in virtue of their high dilution, i.e. in their physiological working range between  $10^{-6}$  molar (microgram) for hormones [8] and  $10^{-12}$  molar (picogram) for the other signaling molecules [9] (Figure 4). This receptors sensitization allows the trigger of chain reactions (complex systems) and a restart of the biological function of the whole P.N.E.I. network.

Low dose SKA molecules work by providing information able to activate autoregulation mechanisms.

Based on these assumptions, from a clinical point of view, the therapeutic approaches are:

1. To restore the homeostasis of a pathologically down-regulated cellular pathway administering the same cytokine, hormone, neuropeptide or growth factor (**low dose SKA**) that is physiologically involved in the cellular signaling;
2. To use **antagonistic** molecules (**low dose SKA**) in order to down-regulate the molecules pathologically up-regulated, restoring their homeostatic concentration via negative feedback mechanisms, according to the principle of “opposing” molecules.

The ability to correct, for example, alterations of the immune system by using cytokines or endocrine disorders by using hormones, represents one of the most fascinating and innovative challenges in Molecular Biology applied to Medicine. Unfortunately, the clinical application of this knowledge has always been brought to a standstill by the side effects that these substances show when used in high doses, i.e., those normally used until now.

## Bio-Tech and low dose

The latest knowledge in the field of biotechnology of human recombinant proteins production allowed GUNA to develop medicines of highest quality and efficacy. Thanks to the aforementioned pharmaceutical technique called **SKA (Sequential Kinetic Activation)**, discovered, codified and standardized by Guna Laboratories, it is now possible to use low doses of hormones, neuropeptides, cytokines and growth factors with therapeutic results comparable to those induced by high concentrations, but without side effects.

Guna SKA method inaugurates a new era within the possibility of clinical use of signaling molecules; the “scientific dream” to use low doses (the only possible doses not to induce side effects) of biological molecules such as cytokines, hormones, neuropeptides or growth factors has now come true thanks to the special pharmaceutical procedure used by Guna in the production of these molecules.

Since 2009 [26], basic and clinical research studies on low dose medicine are being published (TABLE 1).

**Table 1:** Basic and clinical research studies on low dose medicine

Year	Authors	Journals	Research type	Title	Tested Molecules
2009	Gariboldi S. et al.	Pulmonary Pharmacology & Therapeutics	In vivo basic research	Low dose oral administration of cytokines for treatment of allergic asthma.	IL-12 IFN- $\gamma$
2012	D'amico L. et al.	Journal of Cancer Therapy	Ex vivo basic research	Low Dose of IL-12 stimulates T Cell response in cultures of PBMCs derived from Non Small Cell Lung Cancer Patients.	IL-12
2013	Cardani D. et al.	Gastroenterology Research International	In vivo basic research	Oral administration of Interleukin-10 and Anti-IL-1 Antibody ameliorates experimental intestinal inflammation.	IL-10 $\alpha$ -IL-1
2014	Radice E. et al.	Immunopharmacology Journal of Biological	Ex vivo basic research	Low-doses of sequential-kinetic-activated interferon-gamma enhance the ex vivo cytotoxicity of peripheral blood natural killer cells from patients with early-stage colorectal cancer. A preliminary study.	IFN- $\gamma$
2014	Roberti ML. et al.	Journal of Biological Regulatory & Homeostatic Agents	Clinical Trial	Immunomodulating treatment with low dose Interleukin-4, Interleukin-10 and Interleukin-11 in Psoriasis Vulgaris.	IL-4 IL-10 IL-11
2015	Luchetti P.	Minerva Medica Oftalmologica	Clinical Trial	Increasing of visual function in patients with retinal atrophy treated with drugs of Low Dose Medicine. Monocentric retrospective observational study.	NT3 NT4 NGF
2015	Galli E. et al.	Submitted	Clinical Trial	Clinical and immunological evaluation of long-term treatment with Low Dose Medicine in pediatric population affected by chronic Atopic Dermatitis. Experimental randomized double-blind at two stages clinical trial.	IL-12 IFN- $\gamma$
2015	Fiorito F. et al.	Submitted	Clinical Trial (veterinary)	Clinical improvement in feline herpesvirus-1 infected cats by oral low doses of interleukin-12 and interferon-gamma.	IL-12 IFN- $\gamma$
2015	Barygina V. et al.	Journal of Dermatological Science	In vitro Basic research	Treatment with low-dose cytokines reduces oxidative-mediated injury in perilesional keratinocytes from vitiligo skin.	IL-4 IL-10 b-FGF $\beta$ -endorphin
2015	Lotti T. et al.	Journal of Biological Regulatory & Homeostatic Agents	Clinical Trial	Vitiligo: successful combination treatment based on oral low dose cytokines and different topical treatments.	IL-4 IL-10 Anti-IL-1 b-FGF
2015	Radice E. et al.	Translational oncology	Ex vivo Basic research	Enhancement of the immunomodulatory functions of ex vivo-generated dendritic cells from early-stage colon cancer patients by consecutive exposure to low doses of sequential kinetic activated IL-4 and IL-12. A preliminary study.	IL-4 IL-12
2015	Radice E. et al.	Translational oncology	Ex vivo Basic research	Enhancement of the immunomodulatory functions of ex vivo-generated dendritic cells from early-stage colon cancer patients by consecutive exposure to low doses of sequential kinetic activated IL-4 and IL-12. A preliminary study.	IL-4 IL-12
2015	Lotti T. et al.	Der Hautarzt	Clinical Trial	Successful combination treatment for Psoriasis with phototherapy and Low Dose Cytokines. A spontaneous observational retrospective clinical study.	IL-4 IL-10 Anti-IL-1
2015	Tessaro et al.	Journal of ovarian research	In vivo basic research	Effect of oral administration of Low-Dose Follicle stimulating hormone of hyperandrogenized mice as a model of polycystic ovary.	FSH

Year	Authors	Journals	Research type	Title	Tested Molecules
2016	Barygina V. et al.	Journal of Dermatological Science	In vitro basic research	Low dose cytokines reduce oxidative stress in primary lesional fibroblasts obtained from psoriatic patients.	IL-4 IL-10 b-FGF beta-Endorphin
2016	Fiorito F. et al.	Comparative Immunology, Microbiology and Infectious Diseases	Clinical trial (Veterinary)	Clinical improvement of cats affected by feline herpesvirus-1 with oral administration of low doses of interleukin 12 and gamma- interferon.	IL-12 IFN-γ

## Multi-Component, Multi-Target Medicines: **Guna Complexes**

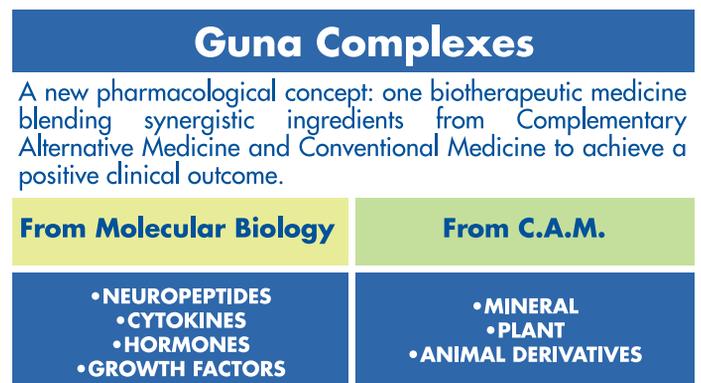
From a pharmacological point of view, Guna multi-component, multi-target medicines show their typical integrative soul, as they are the result of a blend between homeopathic tradition and Molecular Biology, with the aim of achieving a positive clinical outcome (Figure 4).

It is easy to understand the formulation of Guna medications: although each product has specific fields of application, each composition shows a common structure which represents a holistic medical approach to acute and chronic diseases.

Guna multi-component multi-target medications are unique, due both to their ingredients and their relating dilutions. These medications are designed based on a standard common philosophy, i.e. to be effective on both inherent causality and symptoms of the disease. (Figure 5).

The ingredients of each single Guna formulation are assembled and balanced in a unique combination, a powerful therapeutic unit whose components act together in order to restore body's balance and to cure the disease.

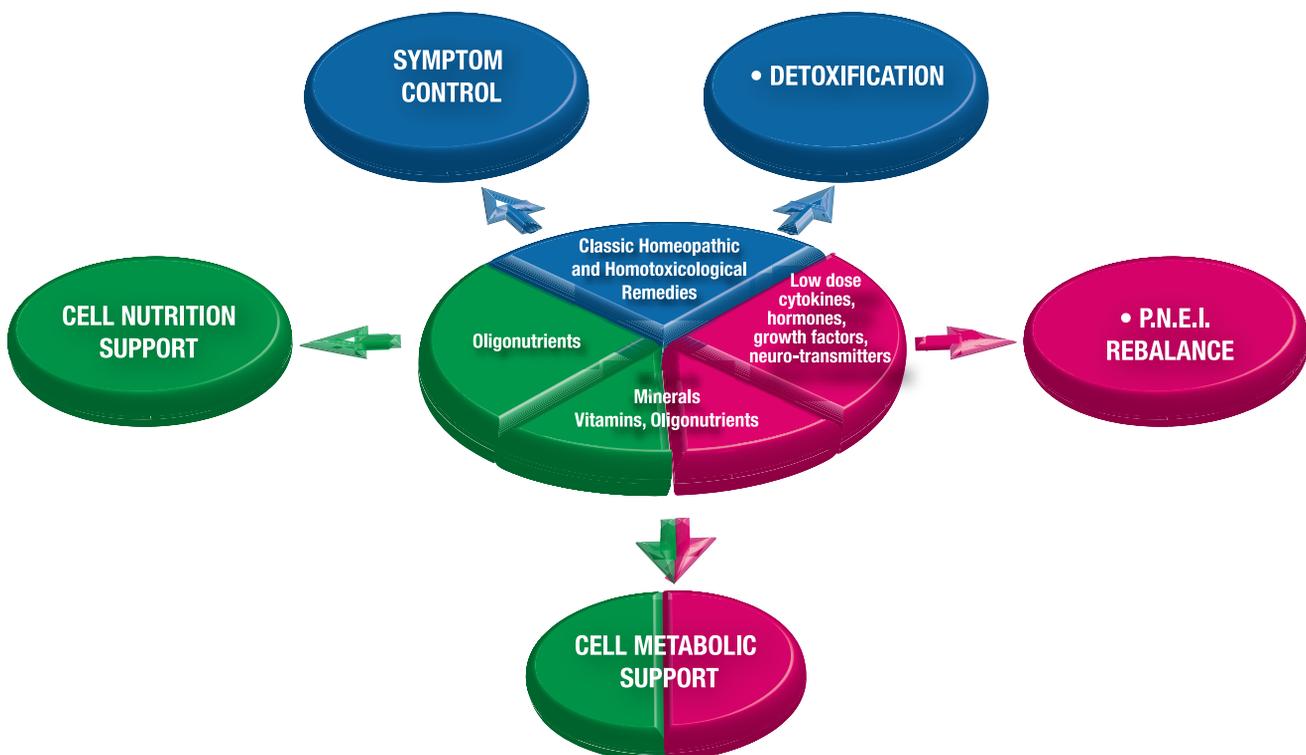
**Figure 4:** The structure of Guna complexes



**Guna multi-component, multi-target medicines are produced in the following pharmaceutical forms:**

- drops for oral use
- pellets for oral use
- globules for oral use
- oral solution
- nasal spray
- oromucosal spray
- injectable solution

**Figure5:** Guna multi-component, multi-target medicines are effective on both inherent causality and symptoms of disease.



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**PHYSIOLOGICAL REGULATING MEDICINE**

The Therapeutic Approach

How to treat diseases and give relief to patients with natural methods.

# PHYSIOLOGICAL REGULATING MEDICINE

## The Therapeutic Approach

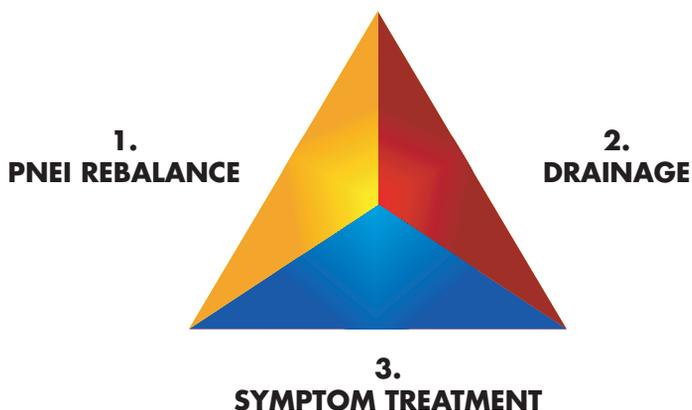
The therapeutic approach of Low Dose Medicine is based on the clinical method called **Physiological Regulating Medicine (PRM)**. The fundamentals of **Physiological Regulating Medicine** are based on the holistic vision of the human organism as a mind-body whole.

The same vision can be identified also in the therapeutic structure of patient's treatment scheme according to PRM: even if located in a specific organ or tissue, diseases are the expression of an unbalanced of the whole PNEI network.

This being said, it is clear why the PRM therapy should be an integrated therapy focused on acting on both the specific organ primarily involved in the disease and on the systems of the PNEI axis.

Aimed at achieving the goal of a successful therapy, the clinical-therapeutic model of Physiological Regulating Medicine (Figure 6) includes three phases:

- 1. PNEI REBALANCE**
- 2. DRAINAGE**
- 3. SYMPTOM TREATMENT**



**Figure 6:** The therapeutic approach of P.R.M.

### 1. PNEI REBALANCE

Modulating the Psycho-Neuro-Endocrine-Immune axis in both directions (psychosomatic and somatopsychic) is the essence of Physiological Regulating Medicine.

According to a sophisticated biological mechanism, low dose SKA cytokines, hormones, neurotransmitters, as well as selected plant-, mineral-, or animal-derived homeopathic ingredients, are able to reduce, modulate and stimulate the reactivity of the three main biological (nervous, immune and endocrine) systems, which are guided back to the physiological functioning without any suppression or inhibition of biological responses.

### 2. DRAINAGE

The combined drainage of extracellular matrix, cells and excretory organs is a therapeutic detoxification strategy used in PRM. It often turns out to be an exhaustive and efficacious treatment by itself.

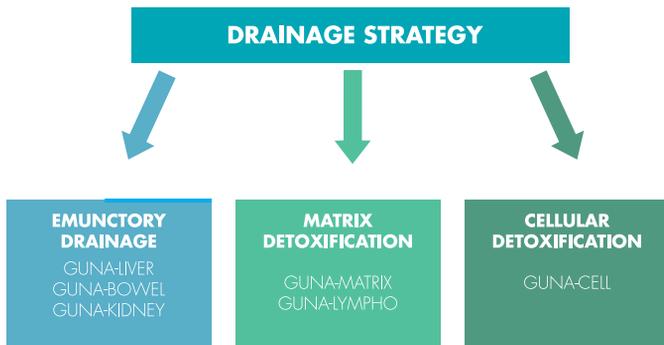
*"...good drainage is already halfway to good therapy".*

A detoxified and drained extra-cellular matrix allows adequate supply of oxygen and nutrients to the cell and ensures cell receptors are properly activated by signaling molecules.

A detoxified and drained cell performs its metabolic function better.

The excretory organs, activated by specific draining PRM drugs, improve their physiological excretory and toxin-release functions (Figure 7).

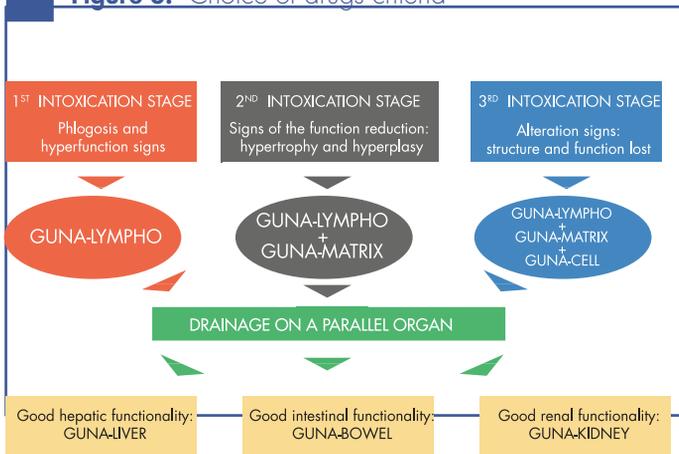
**Figure 7:** The drainage strategy



As for Guna anti-inflammatory remedies, the substances drawn from classical homeopathy are effective on each evolutionary phase of the inflammatory process, thus leading to a natural recovery. On the other hand, SKA low dose molecules conveying immune responses are capable of reactivating an adequate biological immune response. The inflammatory process is consequently modulated and recovery time is considerably reduced.

A clinical assessment of patient's intoxication levels must precede the choice of drugs to be used, as per the following chart:

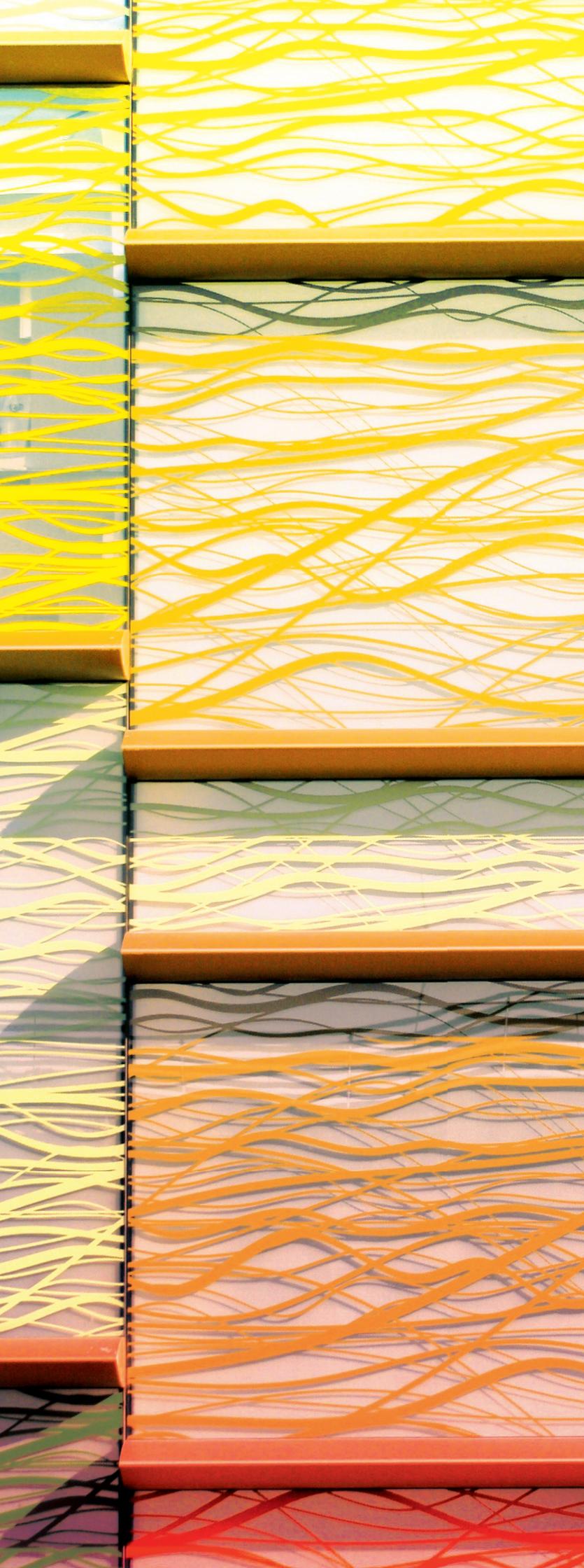
**Figure 8:** Choice of drugs criteria



### 3. SYMPTOM CONTROL

Depending on prevalent symptoms, various medications may be associated with P.N.E.I. and draining medicines.

As in a perfect team play, the active principles contained in Guna multi-component, multi-target medicines, drawn from homeopathic tradition and from cutting-edge molecular biology research, are able to lead to a natural, non suppressive treatment of symptoms.



GUNA

**COMPLEXES**

# • ANTI AGE FACE™

PELLETS

## Ingredients:

Collagen 4C  
Germanium 4C  
Ginseng 3X  
Hamamelis virginiana 3X  
Interleukin 1 beta 5C  
Isoleucine 4C  
Leucine 4C  
Proline 4C  
Russian ginseng 3X  
Skin tissue 4C  
Valine 9C

## Uses:

Undesirable skin signs on the face caused by lack of sleep and a stressful lifestyle.

## Directions:

5 pellets 2 times a day over extended periods of time.



## Package size:

Net Wt. 8 g/0,28 oz. 2 Tubes

### Most common combinations

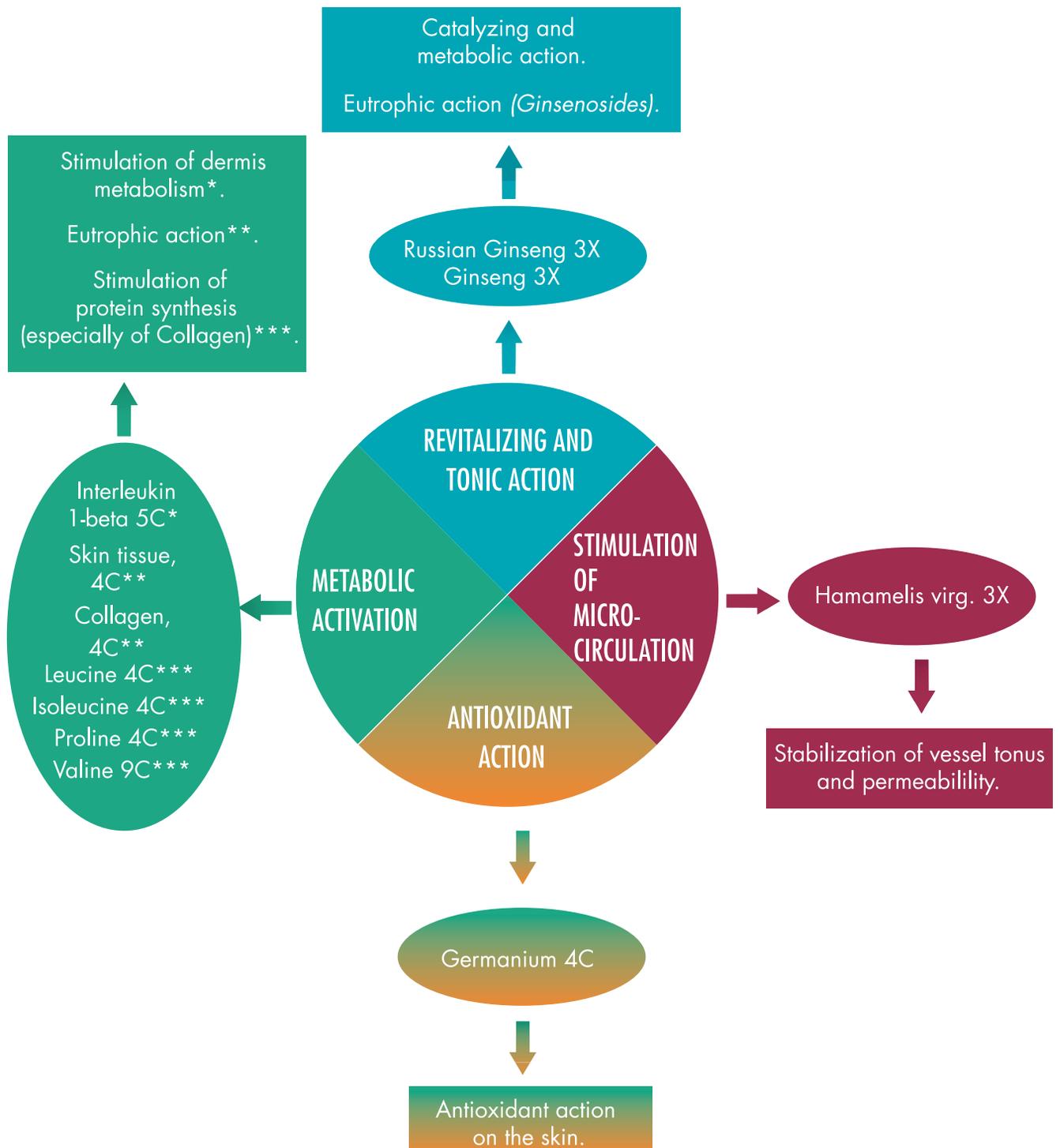
Anti Age Face + Guna-Matrix + Guna-Cell: Anti-aging treatment in Aesthetic Medicine.

Anti Age Face + Anti Age Stress: Signs of fatigue caused by mental and physical stress conditions.

Anti Age Face + Guna-Lympho: “Swollen face”.

**ANTI AGE FACE™**

The rational structure of **ANTI-AGE FACE™** according to **Guna-Method**



# · ANTI AGE SKIN™

PELLETS

## Ingredients:

Alpha tocopherol 4C  
Brown algae, Laminaria 4C  
Brown algae, Platycarpus 4C  
Brown algae, Serratus 4C  
Capillary tissue 4C  
Coenzyme Q-10 4C  
Collagen, 4C  
Fucus vesiculosus 4C  
Isoleucine 4C  
Knotted wrack 4C  
Leucine 4C  
Placenta totalis 4C  
Retinol 4C  
Sea lettuce 4C  
Selenium metallicum 4C  
Skin tissue 4C

## Uses:

Skin sagging; dehydration; opacity; cutaneous spots. It is also effective against damages caused by sun exposure or sunlamps and tanning beds.

## Directions:

5 pellets 2 times a day over extended periods of time.



## Package size:

Net Wt. 8 g/0,28 oz. 2 Tubes

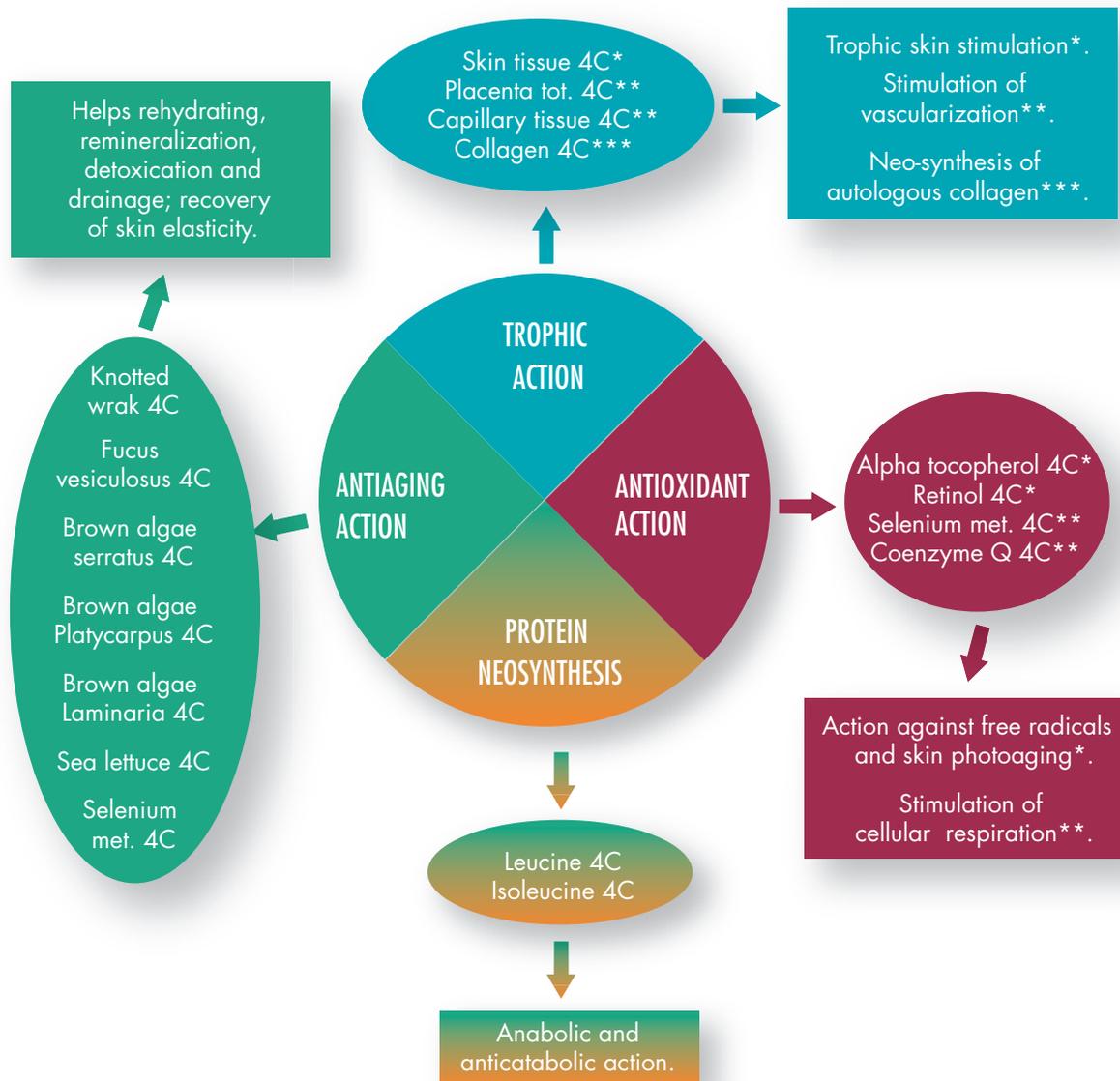
### Most common combinations

Anti Age Skin+ Guna-Cell + Anti Age Face: Anti-aging treatment in Aesthetic Medicine.

Anti Age Skin + Guna-Cell + Guna-Matrix: treatment for skin slackening, aimed at remodeling the dermal matrix.

# ANTI AGE SKIN™

The rational structure of **ANTI-AGE SKIN™** according to Guna-Method



# • ANTI AGE STRESS™

PELLETS

## Ingredients:

Adrenalinum 9C/15C  
Argentum nitricum 9C  
Black horehound 3X  
Citrus decumana 3X  
Cortex cerebrialis 4C/7C  
Glutathione 4C  
Granulocyte Colony Stimulating Factor 4C  
Interferon gamma 5C  
Kali carbonicum 9C  
Lithium carbonicum 8X  
Melatonin 4C/15C  
N-Acetylcysteine 4C  
Nux vomica 5C/7C/9C/15C  
Penicillium notatum 8X  
Sporobolomyces griseus 8X  
Stomach 7C  
Superior gastric plexus 7C  
Thalamus 7C



## Uses:

Control of physical and psychic stress manifestations: tachycardia; hyperhidrosis; polyuria; cutaneous flushing; increased susceptibility to infections; nervousness; paradoxical aggressiveness; tendency to fainting, etc.

## Directions:

5 pellets 2 times a day also over extended periods of time.

In acute phase: 3 pellets every 30 minutes for 2-3 hours.

## Package size:

Net Wt. 8 g/0,28 oz. 2 Tubes

### Most common combinations

Anti Age Stress + Guna-Sleep: mental and physical stress conditions, characterized by hyper excitement and insomnia.

Anti Age Stress + Guna-Digest: digestive disorders due to stress conditions.

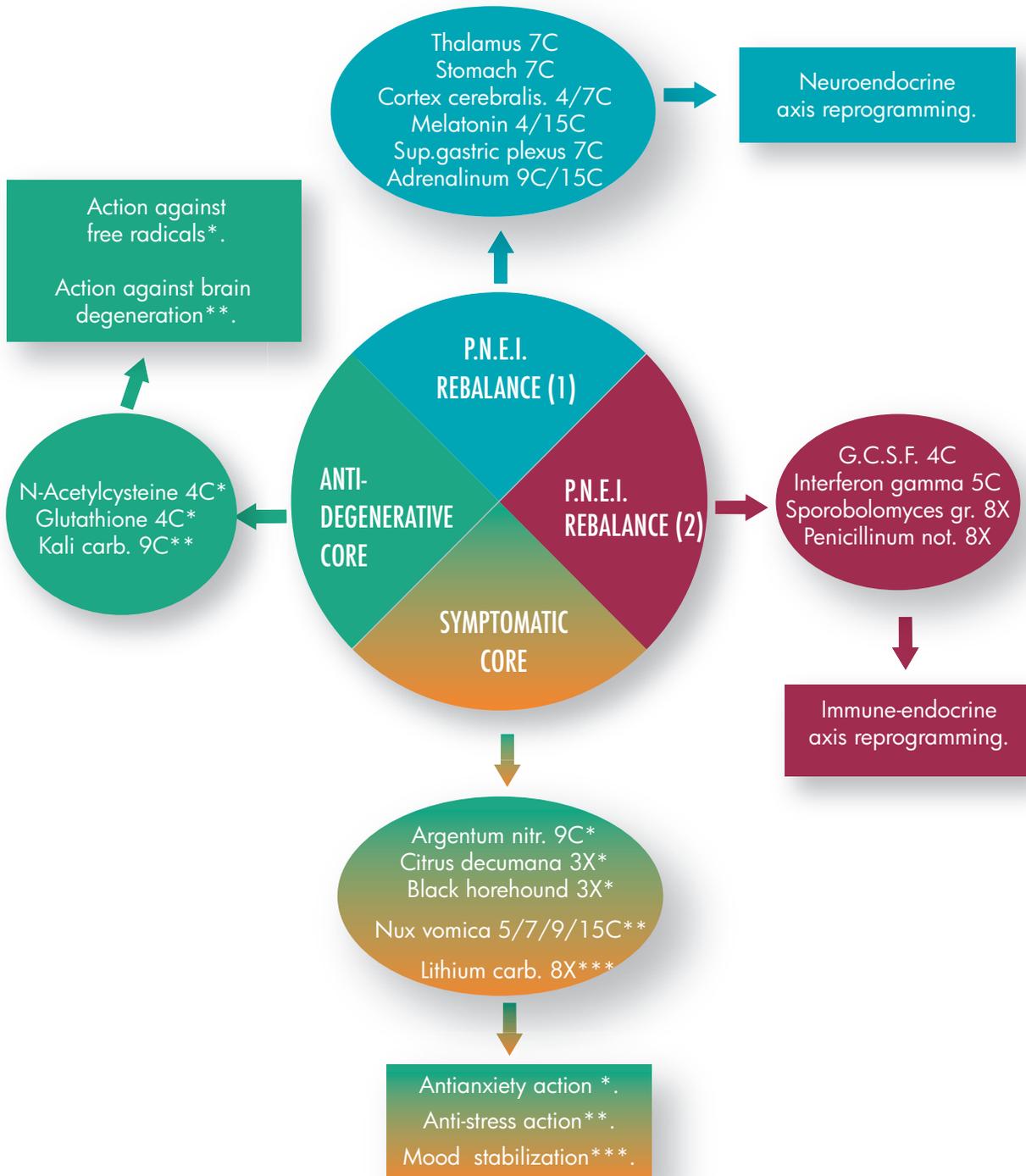
Anti Age Stress + Guna-Stomach: stress-induced psychosomatic gastritis.

Anti Age Stress + Guna-Mood: anxious-depressive syndromes due to stress conditions.

Anti Age Stress + Guna-Bowel + Guna-Digest: irritable colon syndrome.

# ANTI AGE STRESS™

The rational structure of **ANTI-AGE STRESS™** according to Guna-Method



# • ANTI AGE VEIN™

PELLETS

## Ingredients:

Aconitum napellus 10X  
Aesculus hippocastanum 3X  
Ananassa 3X  
Apis mellifica 10X  
Arnica montana 10X  
Arsenicum album 12X  
Artery, 4C  
Belladonna 10X  
Calcarea fluorica 8X  
Cinchona officinalis 10X  
Ferrum metallicum 10X  
Hamamelis 3X  
Hydrocotyle 3X  
Lachesis mutus 10X  
Lymphatic vessel, 7C  
Mercurius solubilis 10X  
Mountain cranberry 3X  
Pulsatilla 10X  
Vein 4C  
Viscum album 3X

## Uses:

Venous failure, varicose veins, symptoms referred as “heavy and swollen legs”.

## Directions:

5 pellets to times a day also over extended periods of time. In acute phase: 3 pellets every 30 minutes for 2-3 hours.



## Package size:

Net Wt. 8 g/0,28 oz. 2 Tubes

### Most common combinations

Anti Age Vein + Guna-Flam: phlebitis.

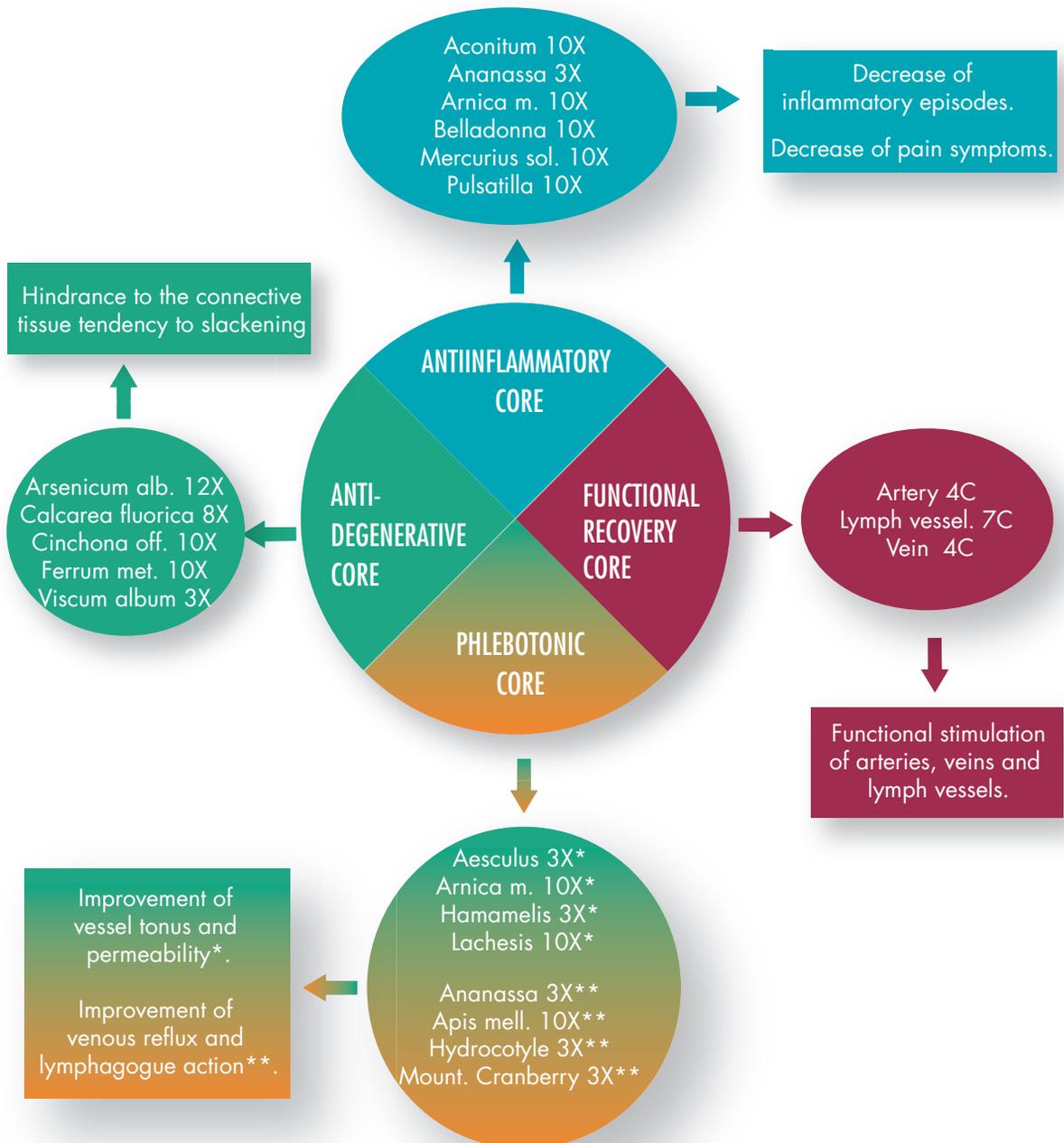
Anti Age Vein + Guna-Lympho: venous failure with lymphatic stasis.

Anti Age Vein + Guna-Hemorrhoids: hemorrhoids.

Anti Age Vein + Guna-Liver: venous failure of lower limbs with or without varicose veins (with possible portal stasis).

# ANTI AGE VEIN™

The rational structure of **ANTI-AGE VEIN™** according to **Guna-Method**



## Ingredients:

Ananassa 3X  
Granulocyte colony  
stimulating factor 4C/9C/15C/30C  
Hydrocotyle asiatica 3X  
Interferon gamma 4C  
Interleukin 1beta 5C  
Interleukin 2 5C/7C  
Interleukin 4 4C  
Interleukin 6 7C/9C/15C  
Lymphatic vessel 4C  
Medulla ossis 4C  
Mountain cranberry 3X  
Thymus gland 4C

## Uses:

Used for the prevention of infections; boosting of immune defenses in acute and chronic infections; and in the treatment of acute inflammatory events of infective origin.

## Directions:

5 pellets 2 times a day. In acute phases, 10 pellets 2-3 times a day.



## Package size:

Net Wt. 8 g/0.28 oz. 2 Tubes

### Most common combinations

Citomix + Guna-React: immediate activation of immune defenses in patients affected by acute infective diseases.

Citomix + Guna-Virus: strengthening of non specific antiviral immune defenses.

Citomix + Guna-Flu: flu prevention in immuno-deficient patients who previously suffered from recurrent flu episodes.

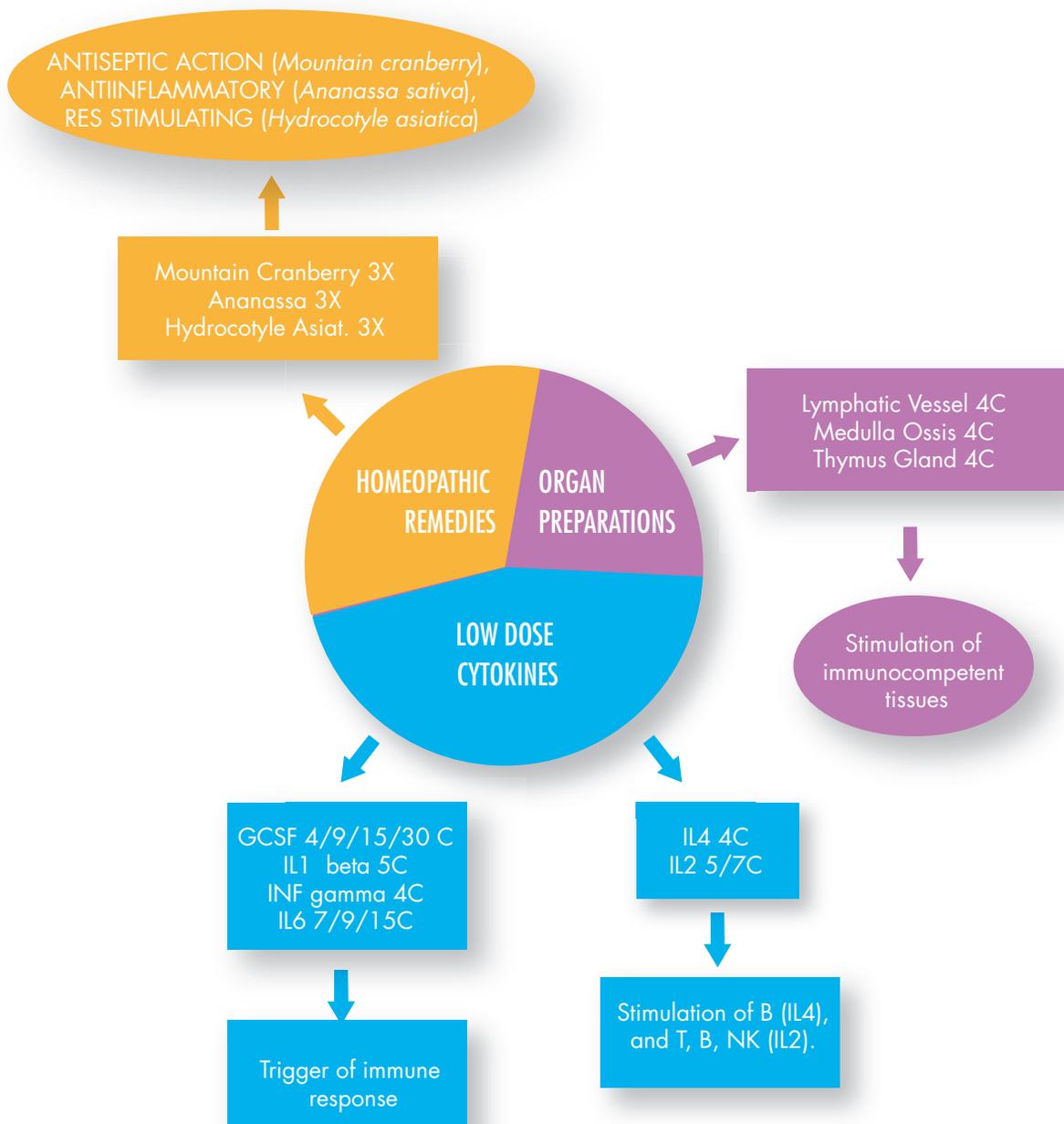
Citomix + Guna-Tonsils: chronic-recurrent tonsillitis in immuno-deficient patients.

Citomix + Eubioflor: immune strengthening in patients suffering from intestinal dysbiosis.

Citomix + Guna-Cough\*/OmeotoxNoni\*\*: chronic bronchitis (children\*, adults or elderly\*\*).

Citomix + Guna-Matrix + Guna-Cell + Guna-Fem/ Guna-Male: immunostimulation therapy.

The rational structure of CITOMIX™ according to Guna-Method



# • EUBIOFLOR™

DROPS

## Ingredients:

Aethusa cynapium 6X  
Althaea officinalis 4X  
Candida albicans 12X/30X  
Carbo vegetabilis 6X  
Carduus marianus 4X  
Cat's claw 4X  
Colibacillinum cum  
natrum muriaticum 6X/12X/30X  
Colon, 6X/12X/30X  
Gall bladder 6X  
Hepar 12X  
Indolum 6X/12X/30X  
Mercurius solubilis 6X/12X/30X/200X  
Nux vomica 6X  
Okoubaka aubrevillei 6X  
Pancreas 12X  
Pink trumpet tree 4X  
Proteus 12X/30X  
Skatolum 6X/12X/30X  
Taraxacum 4X  
Vaccinium 4X  
Veratrum album 6X



## Directions:

20 drops twice a day for two months at least.

## Package size:

30 ml/1.0 fl. Oz. bottle

## Uses:

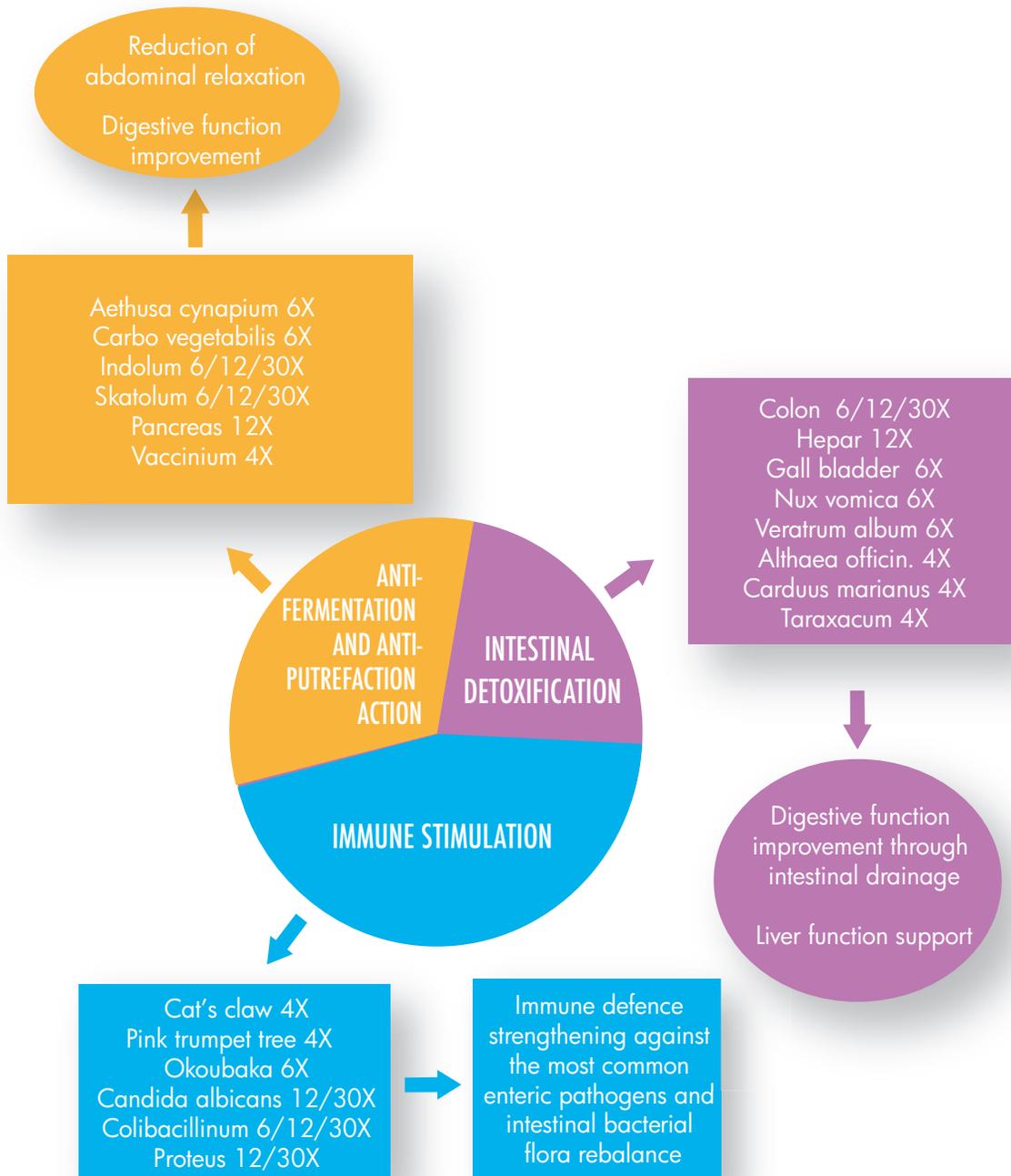
Treatment of intestinal dysbiosis and prevention of dysbiosis during and after antibiotic therapies.

**NOTE:** Food to which the subject is intolerant should be eliminated as well as milk and milk derivatives, pork meat and derivatives and white sugar.

### Most common combinations

- Eubioflor + Guna-Bowel: intestinal dysbiosis.
- Eubioflor + Micox + Guna-Bowel: intestinal dysbiosis of possible mycotic origin.
- Eubioflor + Guna-Allergy-Prev: food allergies.
- Eubioflor + Guna-Digest: digestive disorders due to intestinal dysbiosis.
- Eubioflor + Guna-Dermo + Guna-Bowel: dermatitis and dermatosis of possible dysbiotic origin.
- Eubioflor + Guna-Sinus Nose Spray: sinusitis of possible dysbiotic origin.

The rational structure of EUBIOFLOR™ according to Guna-Method



# • GUNA® - ADDICT 1

DROPS

## Ingredients:

Caffeinum 6X/ 12X/ 30X  
Caladium seguinum 4X  
Chamomilla 1X  
Chelidonium majus 1X  
Juniperus communis, bark 1X  
Natrum muriaticum 9X  
Nicotinum 6X/ 12X/ 30X  
Nux vomica 6X/ 9X/ 12X  
Papaver rhoeas 12C  
Plantago major 1X  
Saccharum officinale 6X/ 9X/ 12X/ 30X  
Scrophularia nodosa 1X  
Tabacum 6X/ 9X/ 12X/ 30X



## Uses:

Adjunct in the weaning from tobacco and other products with addictive properties.

## Directions:

20 drops twice a day for the whole weaning period.

## Package size:

30 ml/1.0 fl. Oz. bottle

### Most common combinations

Guna-Addict 1 + Guna-Mood: control of anxiety and depression in patients under treatment of addictions to tobacco, alcohol, etc.

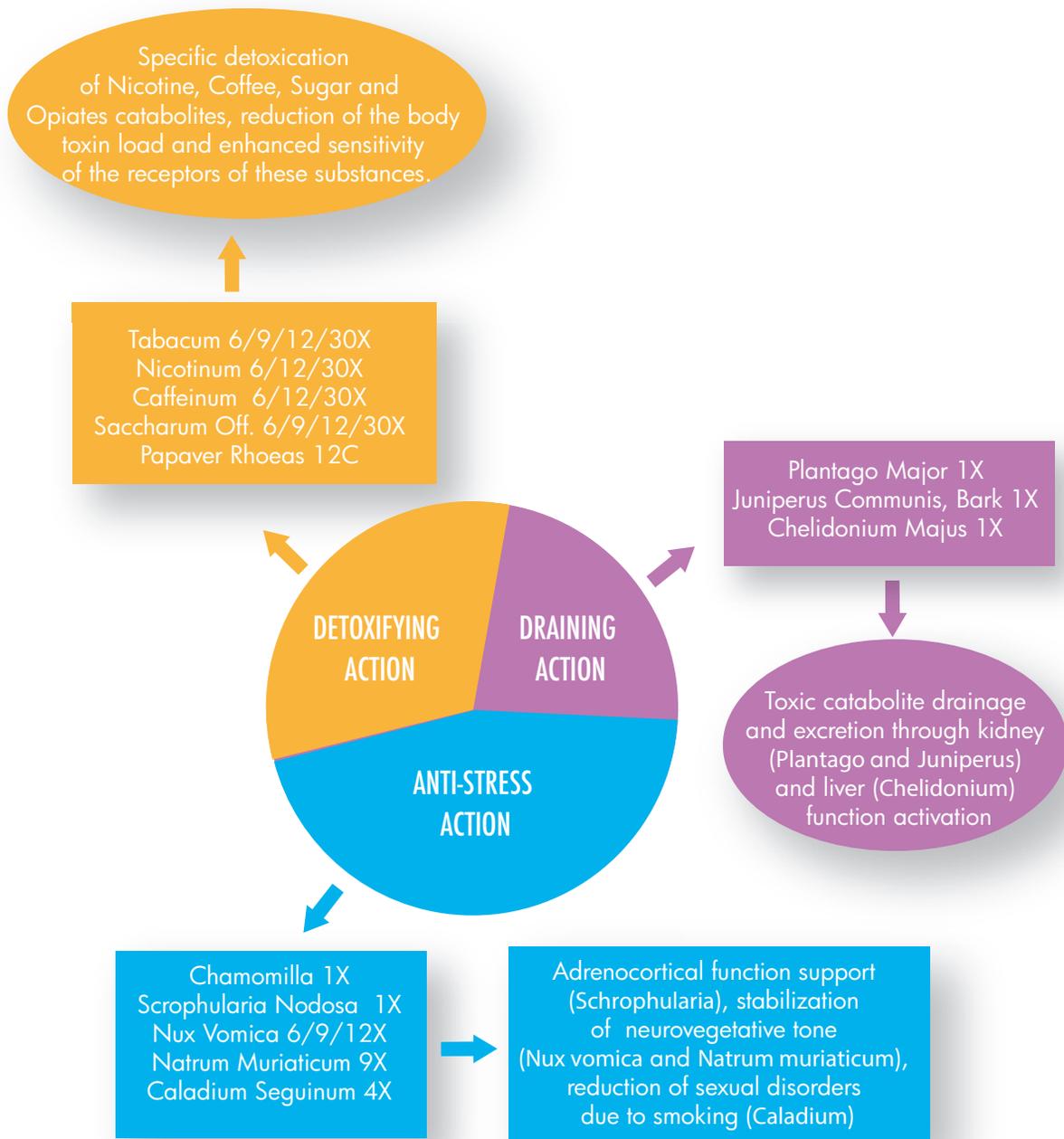
Guna-Addict 1 + Anti Age Stress: control of stress conditions in patients under treatment of addictions to tobacco, alcohol, etc.

Guna-Addict 1 + Guna-Sleep: insomnia in patients under treatment of addictions to tobacco, alcohol, etc.

Guna-Addict 1 + Guna-Liver: support drainage in patients under treatment of addictions to tobacco, alcohol, etc.

# GUNA®-ADDICT 1

The rational structure of **GUNA®-ADDICT 1** according to Guna-Method



# • GUNA® - ALLERGY-PREV

DROPS

## Ingredients:

Ambrosia artemisiaefolia 18X  
Arundo mauritanica 18X  
Asclepias vincetoxicum 6X/10X/30X  
Black currant 1X  
Citricum acidum 6X  
Histaminum hydrochloricum 12X/ 30X/200X  
Interferon gamma 4C  
Interleukin 12 4C  
Manganese gluconate 4X  
Natrium pyruvicum 6X  
Parietaria officinalis 18X  
Phleum pratense 18X  
Serum anguillae 12X/30X/200X  
Sodium sulfate 12X/30X/200X  
Succinicum acidum 6X  
Sulphur 12X/30X/200X  
Urtica urens 18X  
Viburnum opulus T  
Wyethia helenioides 18X



## Package size:

30 ml/1.0 fl. Oz. bottle

## Uses:

Treatment of the allergic terrain and pre-seasonal therapy for allergy prevention and a basic treatment for atopic eczema, allergic rhinitis, and bronchial asthma.

## Directions:

20 drops twice a day for at least 2 months.

### Most common combinations

Guna-Allergy-Prev + Guna-Matrix: preventive treatment of allergies, particularly indicated for patients previously treated with corticosteroids and/or antihistamines.

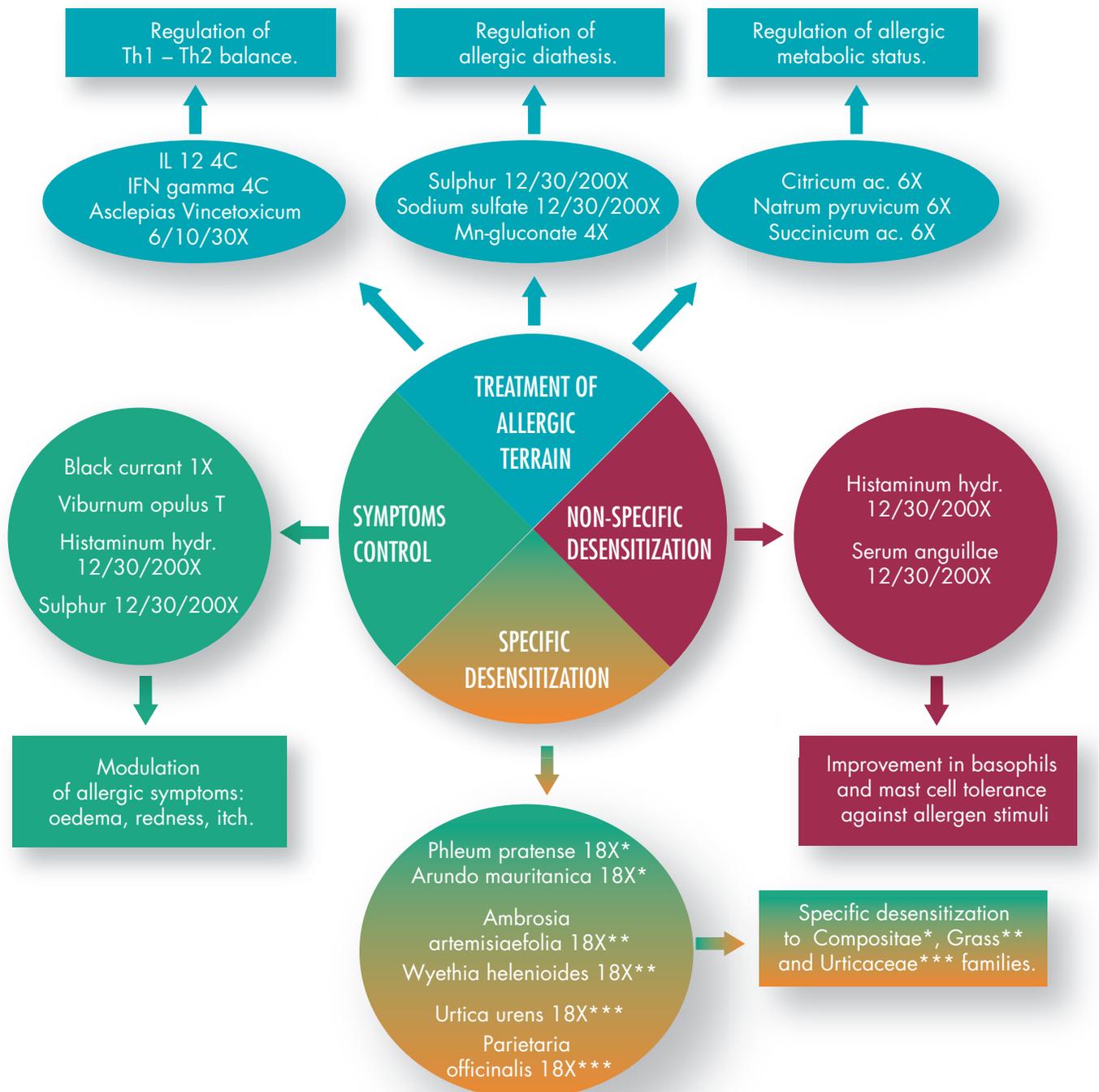
Guna-Allergy-Prev + Guna-Allergy-T: allergic rhino-conjunctivitis and asthma.

Guna-Allergy-Prev + Citomix: preventive treatment of allergies in patients affected by immune deficiencies.

Guna-Allergy-Prev + Eubioflor: food allergies.

# GUNA® - ALLERGY-PREV

The rational structure of **GUNA®-ALLERGY-PREV** according to **Guna-Method**



# • GUNA® - ALLERGY-T

DROPS

## Ingredients:

Adrenalinum 6X  
Allium cepa 12X/30X/200X  
Ammonium carbonicum 12X/30X/200X  
Apis mellifica 200X  
Arsenicum album 12X/30X/200X  
Blatta orientalis 6X/12X/30X  
Bronchus 200X  
Cuprum aceticum 12X/30X/200X  
Galphimia glauca 6X/12X/30X  
Glandula suprarenalis 6X/12X/30X  
Histaminum hydrochloricum 200X  
Luffa operculata 6X/12X/30X  
Manganese gluconate 4X  
Mucosa nasalis 200X  
Natrium muriaticum 12X/30X/200X  
Sabadilla 12X/30X/200X  
Scilla maritima 12X/30X/200X

## Uses:

Allergic rhinitis, allergic rhinoconjunctivitis, and allergic asthma.

## Directions:

20 drops twice a day; as shock therapy 10 drops every 30 minutes for 2 hours.



## Package size:

30 ml/1.0 fl. Oz. bottle

### Most common combinations

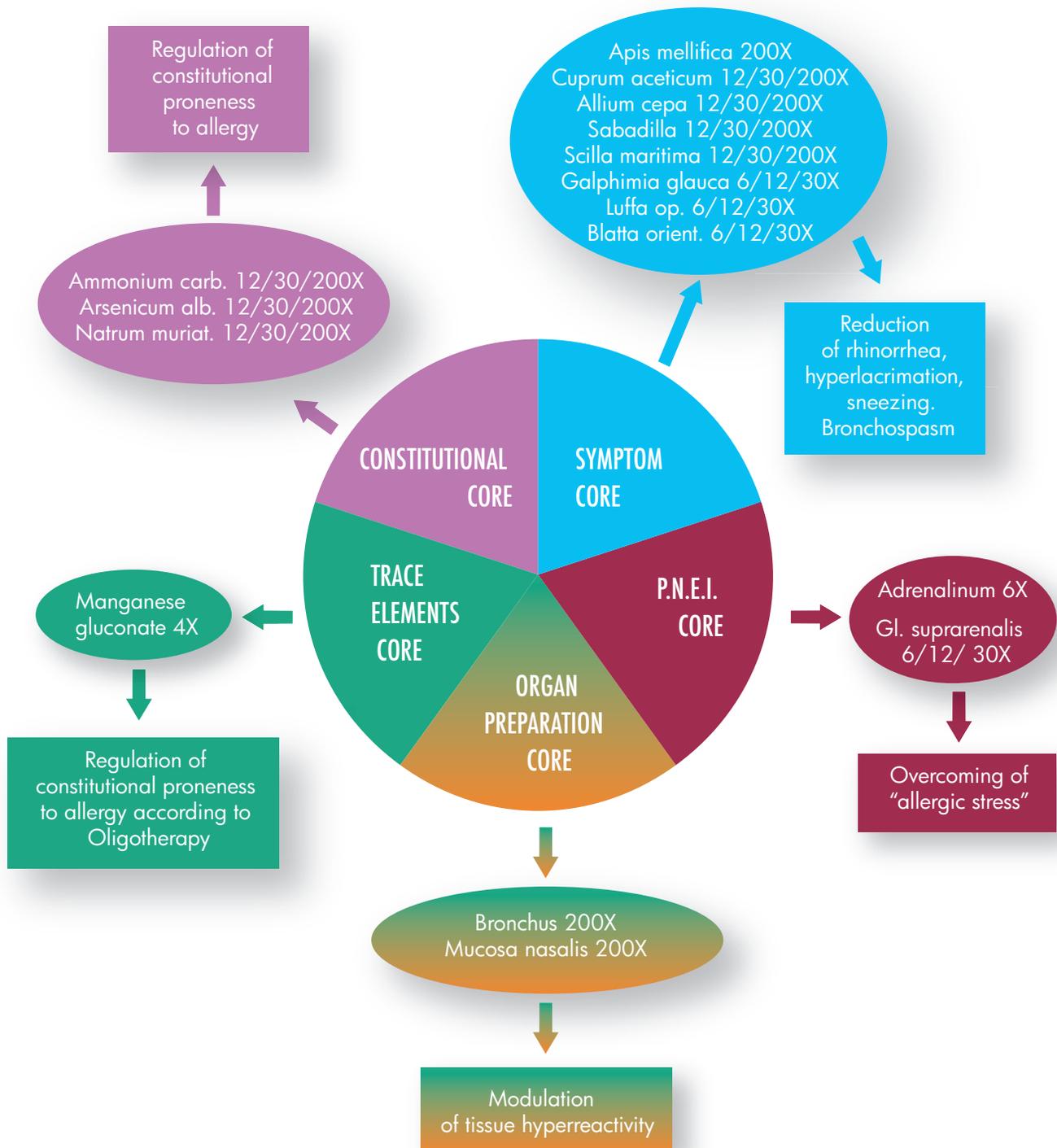
Guna-Allergy-T + Guna-Allergy-Prev: allergic rhino-conjunctivitis and asthma.

Guna-Allergy-T + Guna-Rhino Nose Spray: symptomatic treatment of allergic rhino-conjunctivitis.

Guna-Allergy-T + Anti Age Stress: psychosomatic allergic forms.

# GUNA® - ALLERGY-T

The rational structure of **GUNA®-ALLERGY-T** according to Guna-Method



# • GUNA® - ARTHRO

DROPS

## Ingredients:

a-Ketoglutaricum acidum 3X  
a-Lipoicum acidum 3X  
Artery 6X  
Ascorbic acid 3X  
Barium oxalsuccinate 3X  
Bryonia alba 6X/8X/12X  
Calcitonin 6X  
Cartilago 6X  
Chlorinum 6X  
Cimicifuga racemosa 6X/8X/12X  
Colchicum autumnale 6X/8X/12X  
Conjunctiva tissue 6X  
Dehydroepiandrosteron 6X  
Dulcamara 6X/8X/12X  
Fibroblast Growth Factor 4C  
Funiculus umbilicalis 6X  
Glandula suprarenalis 6X  
Nadidum 3X  
Natrum oxalaceticum 3X  
Nervous Growth Factor 4C  
Parathyroid gland 6X  
Placenta totalis 6X  
Quinhydrone 3X  
Rhus toxicodendron 6X/8X/12X  
Strontium carbonicum 6X/8X/12X  
Sulphur 3X  
Vein 6X

## Uses:

Osteoarticular degenerative processes of small and large joints: gonarthrosis; coxarthrosis; spondylarthrosis; and polyarthrosis.



## Directions:

20 drops twice a day for 2 months at least

## Package size:

30 ml/1.0 fl. Oz. bottle

### Most common combinations

Guna-Arthro + Guna-Flam: inflammatory diseases of the joints.

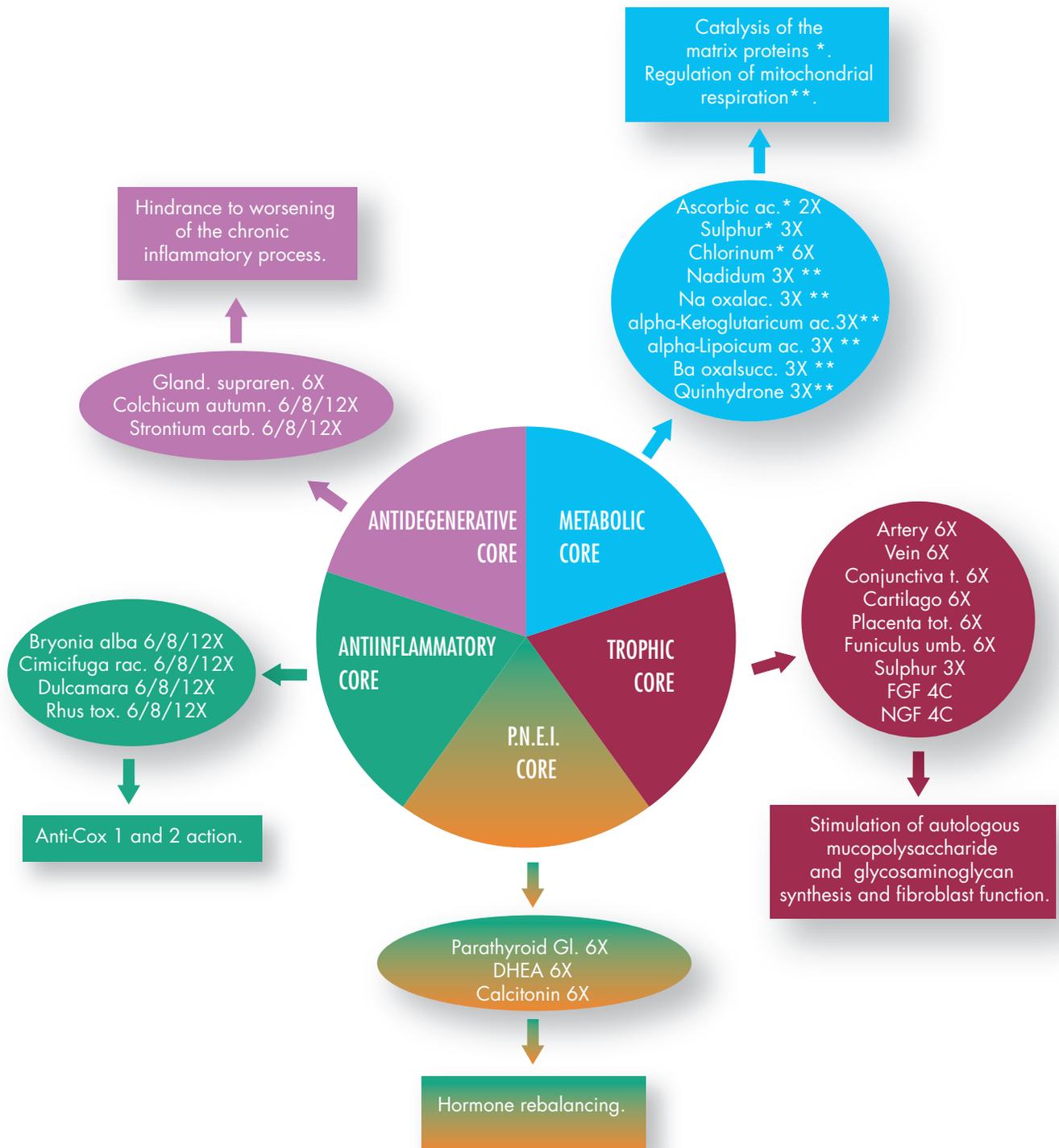
Guna-Arthro + Guna-Matrix: treatment of patients suffering from degenerative arthritis, particularly those previously treated with corticosteroids.

Guna-Arthro + Osteobios: osteoporosis and osteo-chondrosis.

Guna-Arthro + Guna-Fem/Guna-Male: endocrine arthropathies.

# GUNA®-ARTHRO

The rational structure of **GUNA®-ARTHRO** according to Guna-Method



# • GUNA® - AWARENESS

DROPS

## Ingredients:

Aurum metallicum 12X  
Brain derived neurotrophic factor 4C  
Bufo rana 12X  
Calcarea carbonica 3X  
Chromium sulphuricum 3X  
Cicuta virosa 12X  
Cobalamin 3X  
Coenzyme Q10 3X  
Cuprum metallicum 12X  
Ferrum metallicum 3X  
Folic acid 3X  
Frontal lobe 6X  
Lachesis mutus 12X  
Melatonin 4C  
Molybdenum metallicum 3X  
Neurotrophin 3 4C  
Neurotrophin 4 4C  
Oxytocin 6X  
Silicea 12X  
Temporal lobe 6X  
Thyrotropin-releasing hormone 3X  
Trimethylglycine 3X  
Vanadium metallicum 6X  
Zincum metallicum 3X



## Directions:

20 drops twice a day for 2 months at least

## Package size:

30 ml/1.0 fl. Oz. bottle

## Uses:

Restlessness; Lack of concentration for prolonged time; Adjuvant treatment of autism; Adjuvant treatment of bipolar disorder.

### Most common combinations

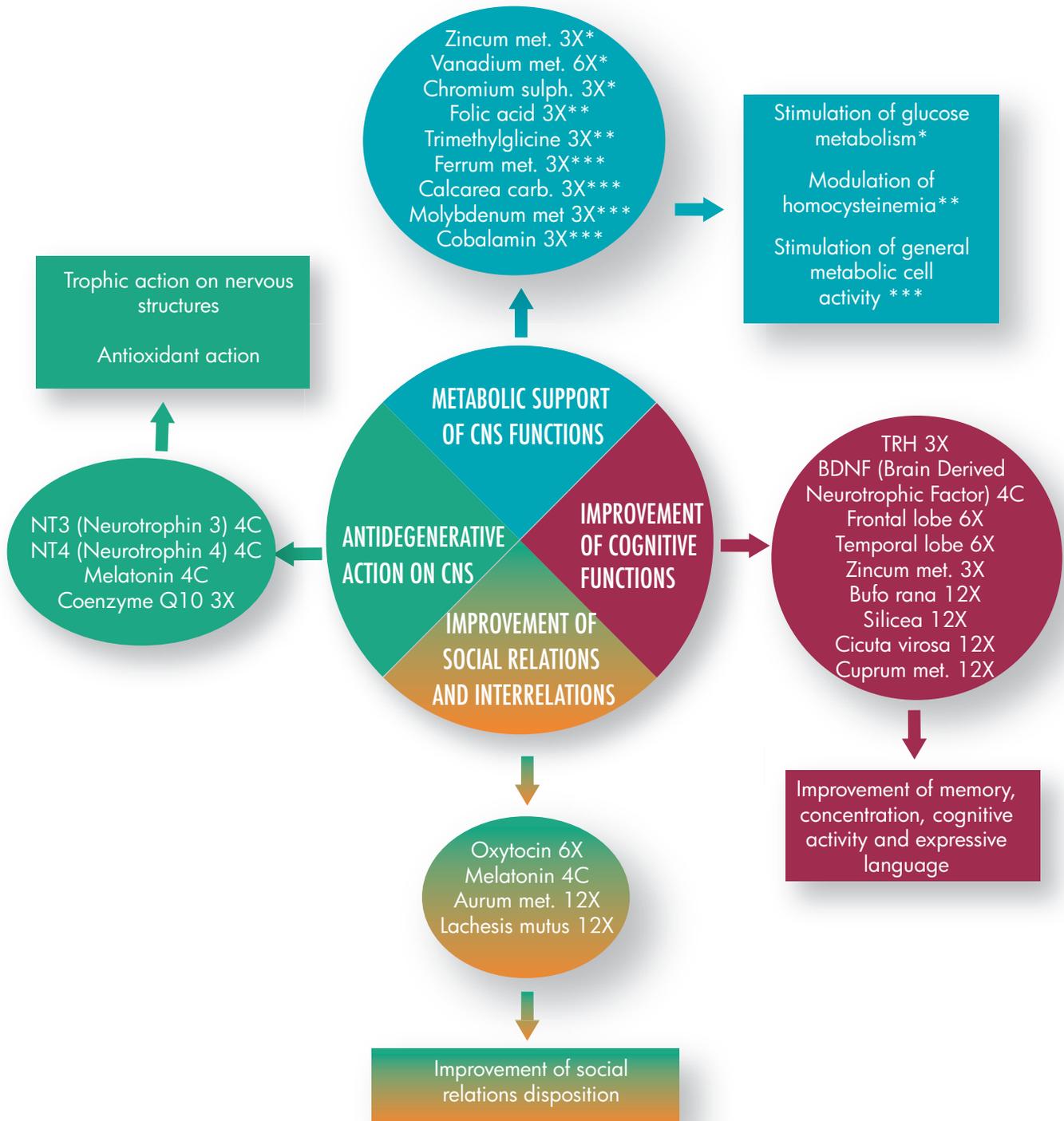
Guna-Awareness + Guna-Matrix + Guna-Cell + Guna-Lympho + Guna-Mood: Adjuvant treatment of autism.

Guna-Awareness + Guna-Cell: Stimulation of cognitive faculties (when deeper attention and concentration are required).

Guna-Awareness + Guna-Mood: Adjuvant treatment of Bipolar Disorder.

# GUNA®- AWARENESS

The rational structure of **GUNA®-AWARENESS** according to Guna-Method



# • GUNA® - BOWEL

DROPS

## Ingredients:

Aloe socotrina 2X  
Alumina 6X/8X  
Bryonia alba 6X/8X  
Carduus marianus 2X  
Chelidonium majus 2X  
Cholecalciferol 2X  
Collinsonia canadensis 2X  
Colon 6X/12X/30X  
Kali carbonicum 6X/8X/12X  
Natrum carbonicum 6X/8X/12X  
Niacin 2X  
Nux vomica 6X/8X  
Pantothenic acid 2X  
Rectum 6X/12X/30X  
Rhamnus frangula 2X  
Rheum 2X  
Skatolum 6X/10X  
Taraxacum officinale 2X  
Thiaminum hydrochloricum 4X



## Package size:

30 ml/1.0 fl. Oz. bottle

## Uses:

Acute and chronic constipation as well as spastic and atonic constipation, regulator of the intestinal function, detoxification of the digestive system, coadjuvant in the degenerative pathologies of the digestive canal.

## Directions:

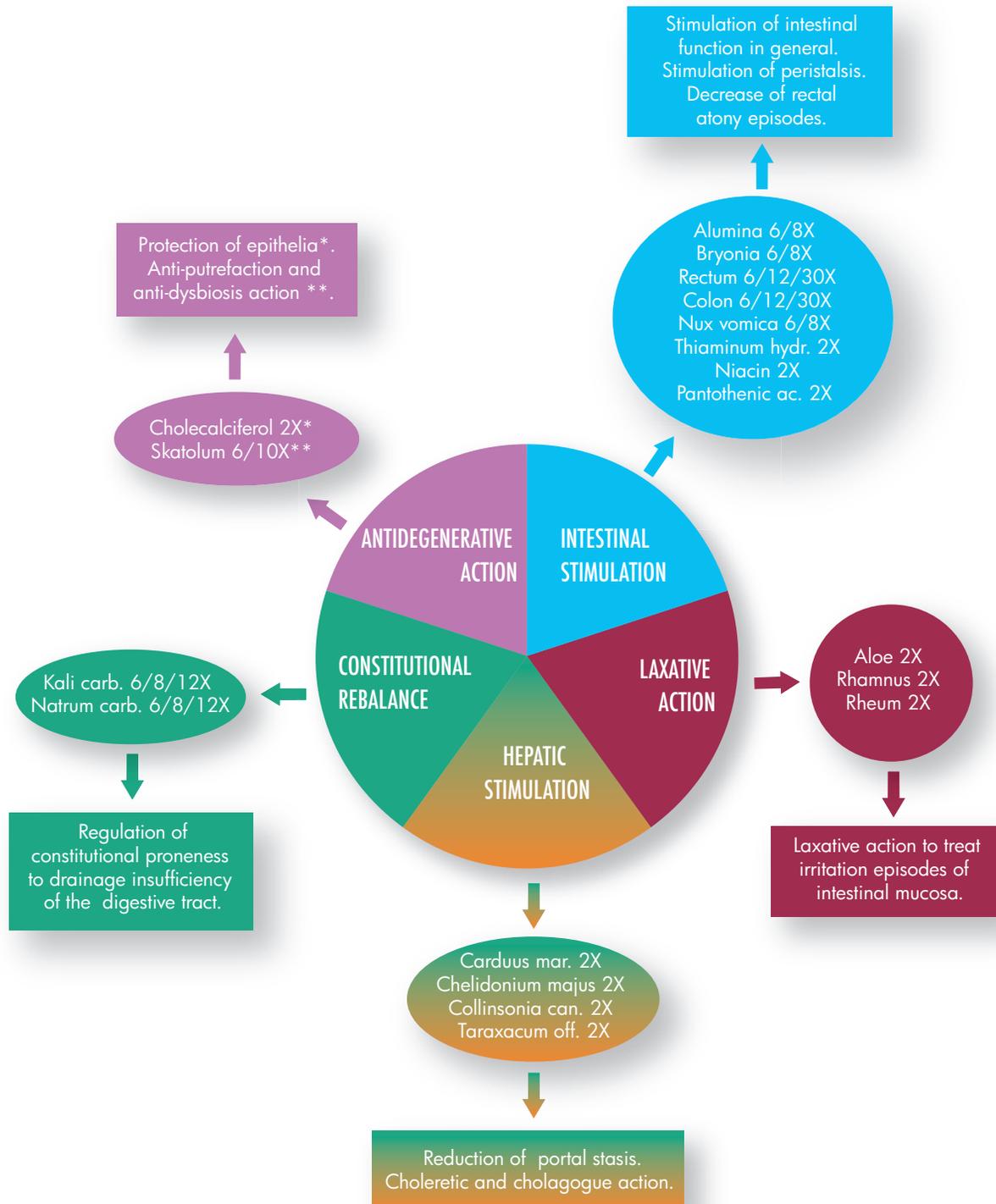
20 drops twice a day. In case of constipation: 10 drops every 30 minutes for 2/3 hours.

### Most common combinations

Guna-Bowel + Eubioflor: intestinal dysbiosis.  
Guna-Bowel + Guna-Liver: digestive disorders; persistent constipation.  
Guna-Bowel + Guna-Digest + Anti Age Stress: irritable colon syndrome.  
Guna-Bowel + Guna-Flam: IBD (Inflammatory Bowel Diseases).  
Guna-Bowel + Guna-Hemorrhoids: hemorrhoids.

# GUNA® - BOWEL

The rational structure of **GUNA® -BOWEL** according to Guna-Method



# • GUNA® - CELL

DROPS

## Ingredients:

Acetyl-L-Carnitine 3X  
Alpha lipoic acid 3X  
Alpha tocopherol 3X  
Ascorbic acid 3X  
Calcium carbonate 3X  
Citricum acidum 3X  
Cobalamin 3X  
Colchicum autumnale 6X/12X/30X  
Conium maculatum 6X/12X/30X  
Cuprum sulphuricum 3X  
Cyclic-AMP 6X;  
DNA 6X  
Ferrous fumarate 3X  
Folic acid 3X  
Fumaricum acidum 3X  
Magnesia phosphorica 3X  
Manganese gluconate 3X  
Manganum phosphoricum 6X  
Methylglyoxal 10X  
Natrum oxalaceticum 3X  
Natrum pyruvicum 3X  
Niacin 3X  
Pantothenic acid 3X  
Phosphorus 4X  
Podophyllum peltatum 6X/12X/30X  
Potassium aspartate 3X  
Pyridoxinum hydrochloricum 6X  
Riboflavinum 6X  
RNA 6X  
Selenomethionine 3X  
Succinicum acidum 3X  
Sulfur 3X  
Thiaminum hydrochloricum 4X  
Zinc 3X



## Uses:

General weakening; early aging; cellular metabolism stimulation.

## Directions:

20 drops twice a day also over extended periods of time.

## Package size:

30 ml/1.0 fl. Oz. bottle

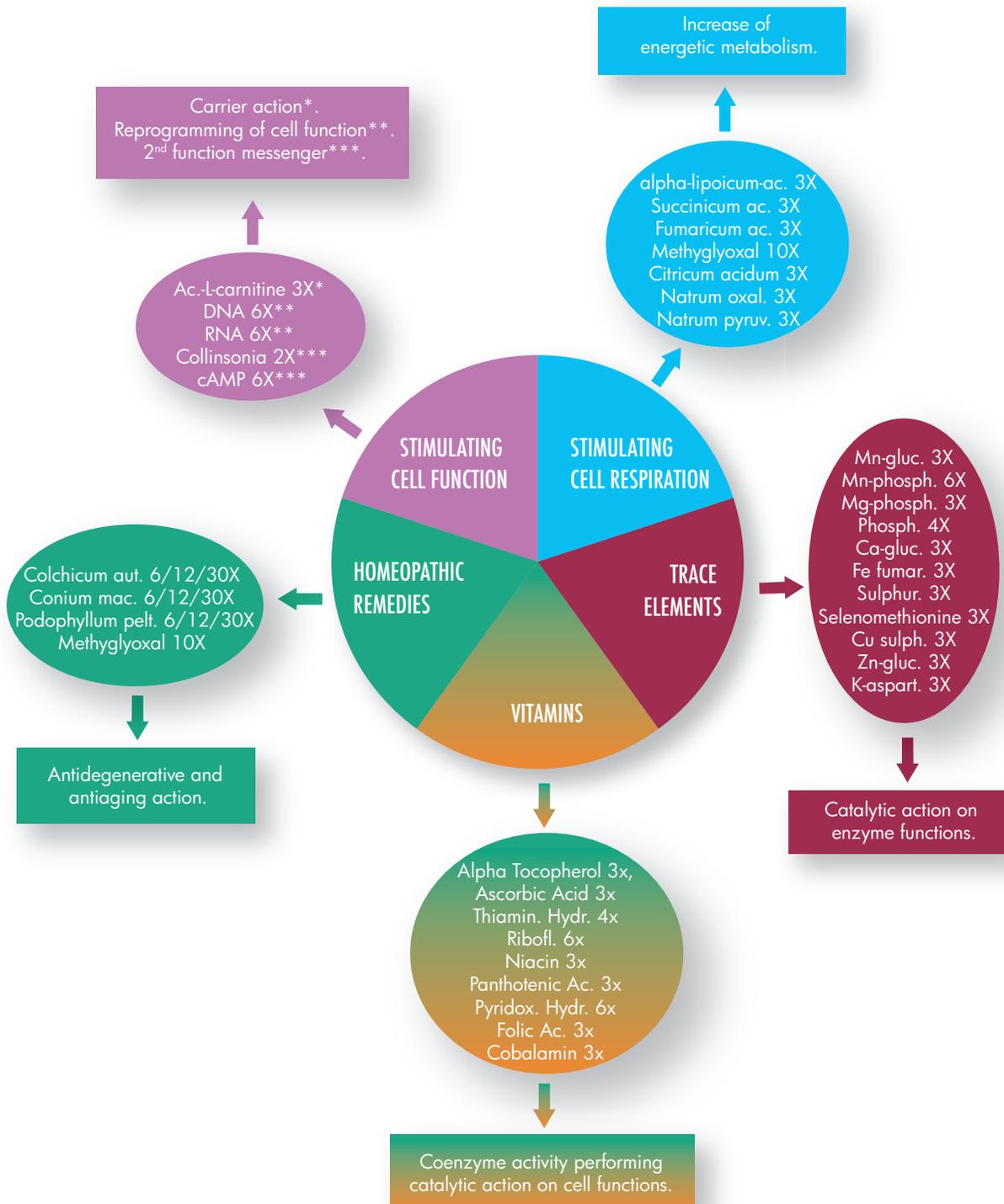
### Most common combinations

Guna-Cell + Guna-Matrix + Guna-Fem / Guna-Male: anti-aging standard treatment.

Guna-Cell + Anti Age Skin / Anti Age Face: anti-aging standard treatment in Aesthetic Medicine.

Guna-Cell + Guna-Flu + Citomix: flu prevention in immuno-deficient patients with recurrent flu episodes, especially if over 40 years of age

### The rational structure of GUNA® -CELL according to Guna-Method



# • GUNA® - COUGH

ORAL SOLUTION

## Ingredients:

Althaea officinalis 1X  
Antimonium tartaricum 8X  
Bryonia alba 6X  
Cetraria islandica 4X  
Coccus cacti 6X  
Cuprum aceticum 8X  
Drosera 1X  
Echinacea angustifolia 1X  
Plantago major 1X  
Sticta pulmonaria 4X  
Thyme 1X

## Uses:

Treatment (non sedative) of cough and bronchial secretion liquefaction and dispersal; Adjuvant in acute and chronic (catarrhal) tracheobronchitis treatment and in the treatment of cold and flu.

## Directions:

Standard dosage:

Adults: 1 dose of 10 ml from 3 to 6 times a day.

Children: 1 dose of 5 ml from 3 to 6 times a day.



## Package size:

150 ml / 5.07 fl. oz. Bottle

### Most common combinations

Guna-Cough + Guna-Flu: dry or productive cough during flu episodes, especially in children.

Guna-Cough + Guna-Flu + Guna-Flam: flu syndrome with fever.

Guna-Cough + Citomix: cough in patients affected by recurrent forms of immune deficit catarrhal bronchitis, especially in children.

Guna-Cough + Eubioflor: persistent cough in immuno-deficient patients suffering from intestinal dysbiosis.

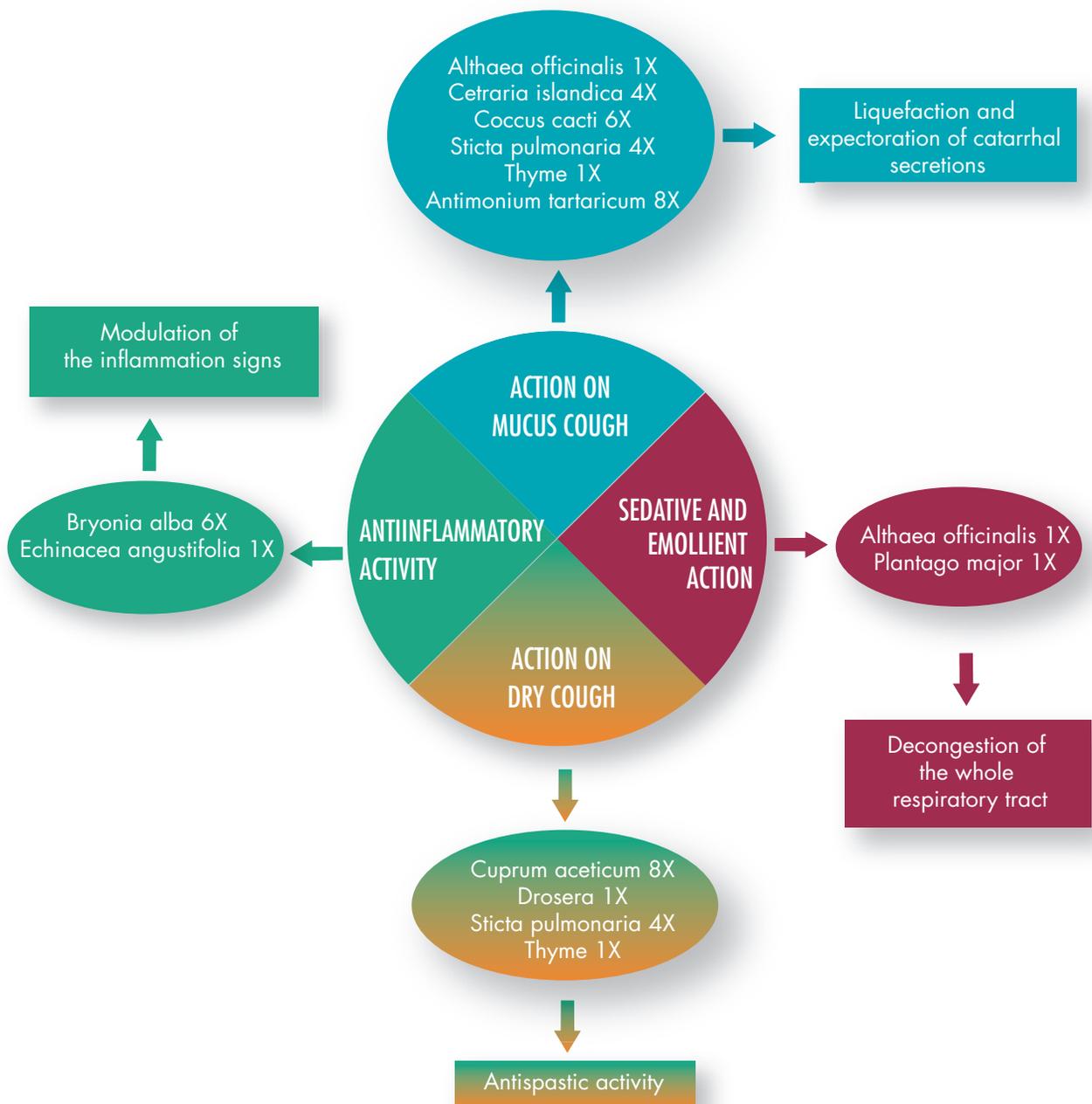
Guna-Cough + Guna-Flam: catarrhal bronchitis and cough with fever, especially in children.

Guna-Cough + Guna-Sinus Nose Spray: post nasal drip cough.

Guna-Cough + Guna-Allergy-T (+ Guna-Allergy-Prev): allergic cough.

# GUNA®- COUGH

The rational structure of **GUNA®-COUGH** according to Guna-Method



# • GUNA® - DERMO

DROPS

## Ingredients:

Arsenicum album 6C  
Belladonna 6C  
Dulcamara 6C  
Echinacea angustifolia 6C  
Graphites 6C  
Interleukin 1beta 7C  
Interleukin 2 4C  
Melatonin 4C  
Plantago major 4C  
Sulphur 6C

## Uses:

Dermatitis, dermatosis, eczema psoriasis.

## Directions:

20 drops twice a day for two months at least



## Package size:

30 ml/1.0 fl. Oz. bott

### Most common combinations

Guna-Dermo + Guna-Matrix: matrix detoxification in dermatitis and dermatosis.

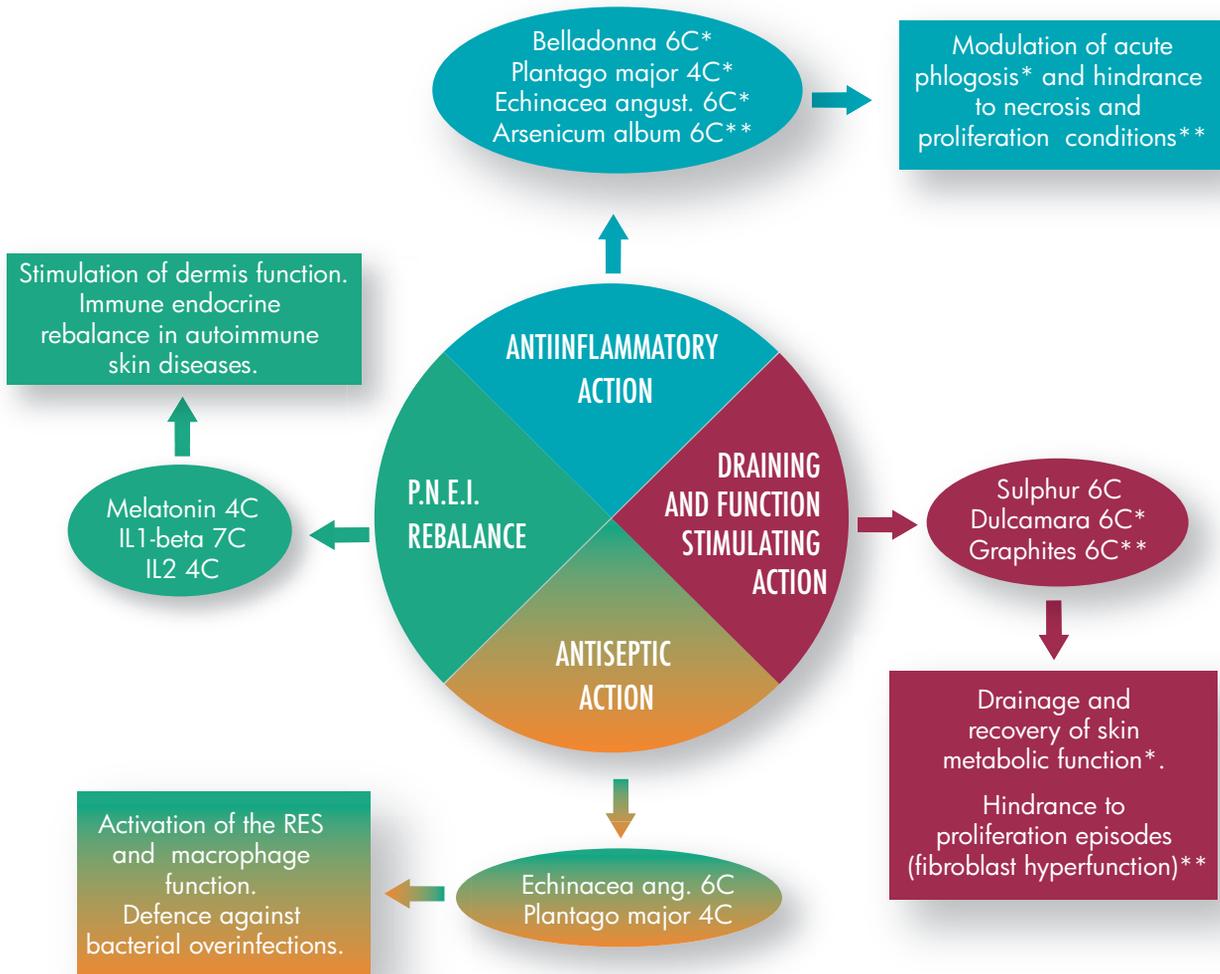
Guna-Dermo + Guna-Liver: liver detoxification in dermatitis and dermatosis.

Guna-Dermo + Anti Age Stress: modulation of “stress” in psoriasis.

Guna-Dermo + Eubioflor + Guna-Bowel: dermatitis and dermatosis with a possible dysbiotic etiology.

# GUNA®-DERMO

The rational structure of **GUNA®-DERMO** according to Guna-Method



# • GUNA® - DIGEST

DROPS

## Ingredients:

Abrotanum 1X  
Amylase pancreatic 2X  
Angelica archangelica 1X  
Anisum 1X  
Ascorbic acid 2X  
Colocynthis 3X/10X/30X/200X  
Diencephalon 3X/6X/12X  
Duodenum 6X/8X/12X  
Gall bladder 6X/8X/12X  
Gentiana lutea 1X  
Hepar 6X/8X/12X  
Lipase enzyme 2X  
Melatonin 4C  
Niacin 2X  
Nux vomica 3X/10X/15X/30X/200X/1000X  
Pancreas 6X/8X/12X  
Pylorus 6X/8X/12X  
Serotonin 6X  
Thiaminum hydrochloricum 4X  
Trypsin 2X  
Tryptophan 6X



## Package size:

30 ml/1.0 fl. Oz. bott

## Uses:

Functional dyspepsia of various origin: organic or caused by stress, postprandial sleepiness, postprandial bloating, digestive disorders secondary to food or alcohol abuse.

## Directions:

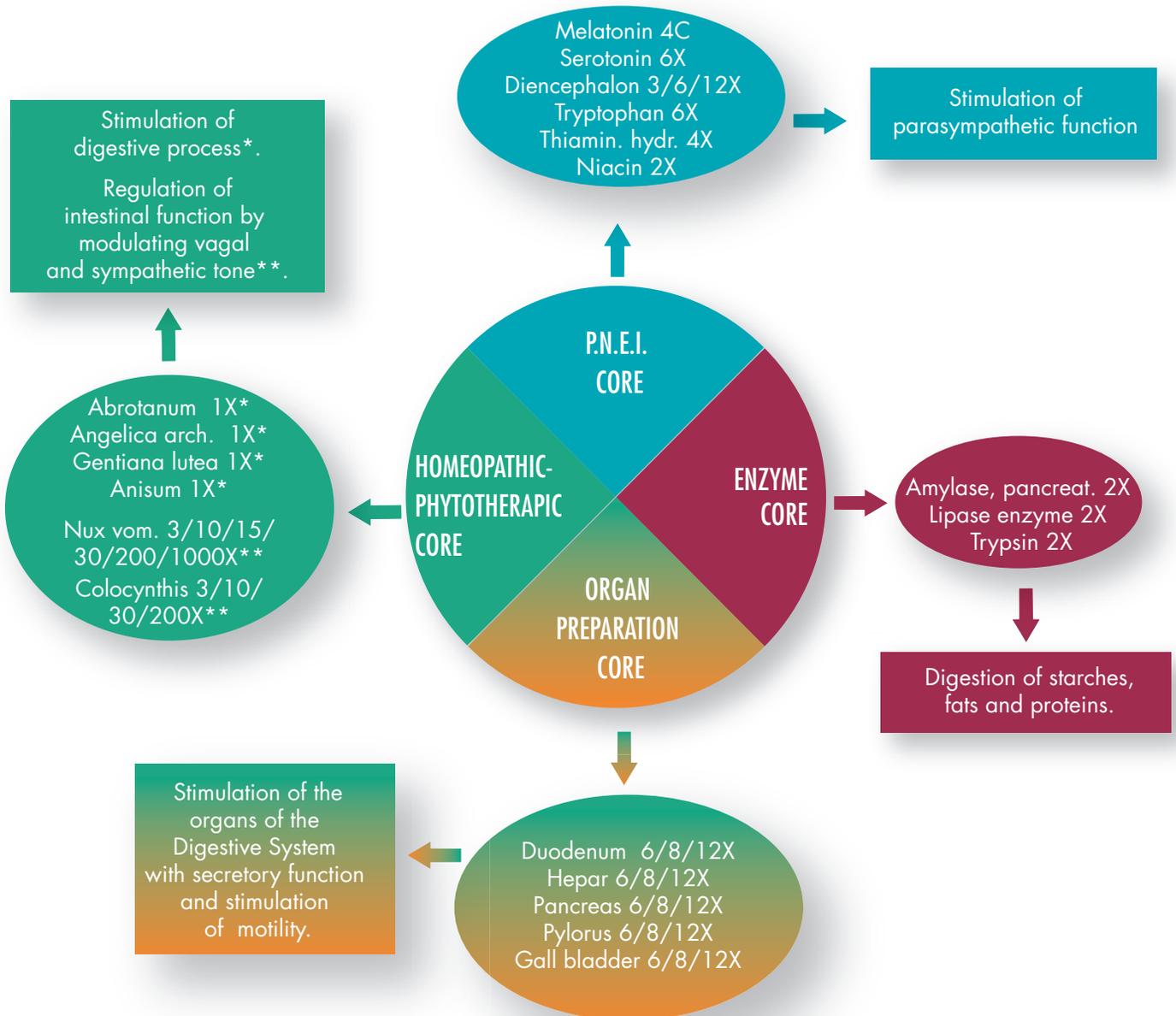
20 drops twice a day for at least two months. As a shock therapy, 10 drops every 30 minutes for two hours.

### Most common combinations

- Guna-Digest + Guna-Bowel: irritable bowel syndrome.
- Guna-Digest + Guna-Stomach: dyspeptic syndromes accompanied by gastritis.
- Guna-Digest + Eubioflor: digestive disorders due to dysbiosis.
- Guna-Digest + Guna-Liver: digestive hepatic disorders. Treatment of hepatopathy due to alcohol abuse.
- Guna-Digest + Guna-Anti Age Stress: digestive disorders due to stress conditions.

## GUNA® - DIGEST

The rational structure of **GUNA® -DIGEST** according to Guna-Method



# • GUNA® - DIUR

DROPS

## Ingredients:

Berberis vulgaris T  
Mouse-ear hawkweed T  
Solidago virgaurea T  
Amiloride 4X  
Apis mellifica 2X  
Hydrochlorothiazide 4X  
Hypophysis 12X  
Spironolactone 4X

## Uses:

Diuretic, essential hypertension; water retention; adjuvant in slimming therapies.

## Directions:

20 drops twice a day. Duration of treatment: according to medical advice.



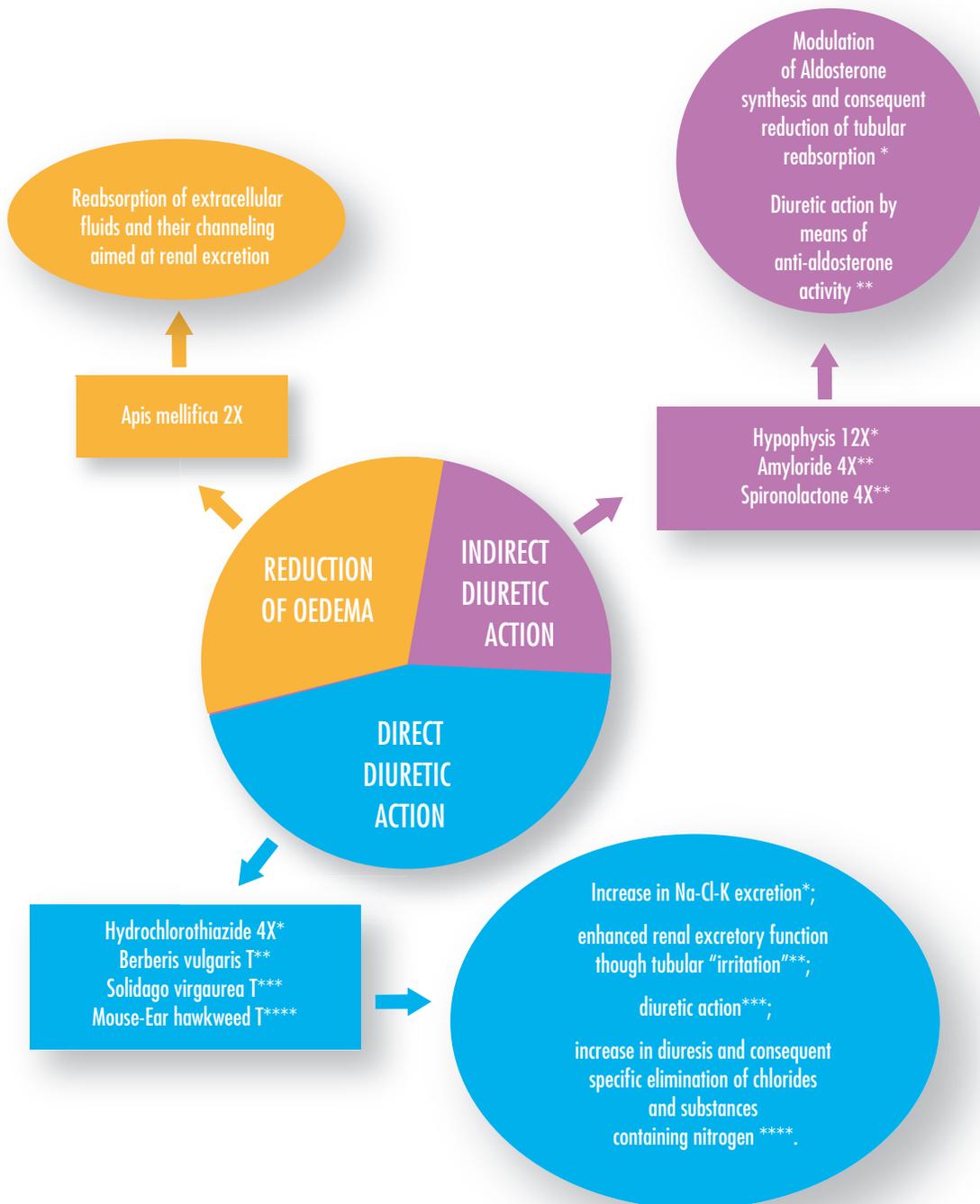
## Package size:

30 ml/1.0 fl. Oz. bottle

### Most common combinations

Guna-Diur + Guna-Lympho: supportive diuretic treatment in lymphedema.  
Guna-Diur + Guna-PMS: water retention due to premenstrual syndrome  
Guna-Diur + Guna-Fem/ Guna-Male: essential hypertension.

The rational structure of GUNA®-DIUR according to Guna-Method



# • GUNA® - DIZZY

DROPS

## Ingredients:

alpha-Ketoglutaricum acidum 6X  
Adrenalinum 6X  
Ambra grisea 6X  
Artery 6X  
Cerebellum 6X  
Chininum salicylicum 6X  
Cocculus indicus 4X  
Conium maculatum 3X  
Fumaricum acidum 6X  
Malic acid 6X  
Melatonin 4C  
Petroleum 8X  
Placenta totalis 6X  
Pteridium aquilinum 8X  
Pyridoxinum hydrochloricum 6X  
Quinhydrone 6X  
Tabacum 6X  
Thiaminum hydrochloricum 4X

## Uses:

Vertiginous syndromes of different etiology: vascular, vestibular, or degenerative.

## Directions:

20 drops twice a day. In acute phase 10 drops every 30 minutes for 2-3 hours.



## Package size:

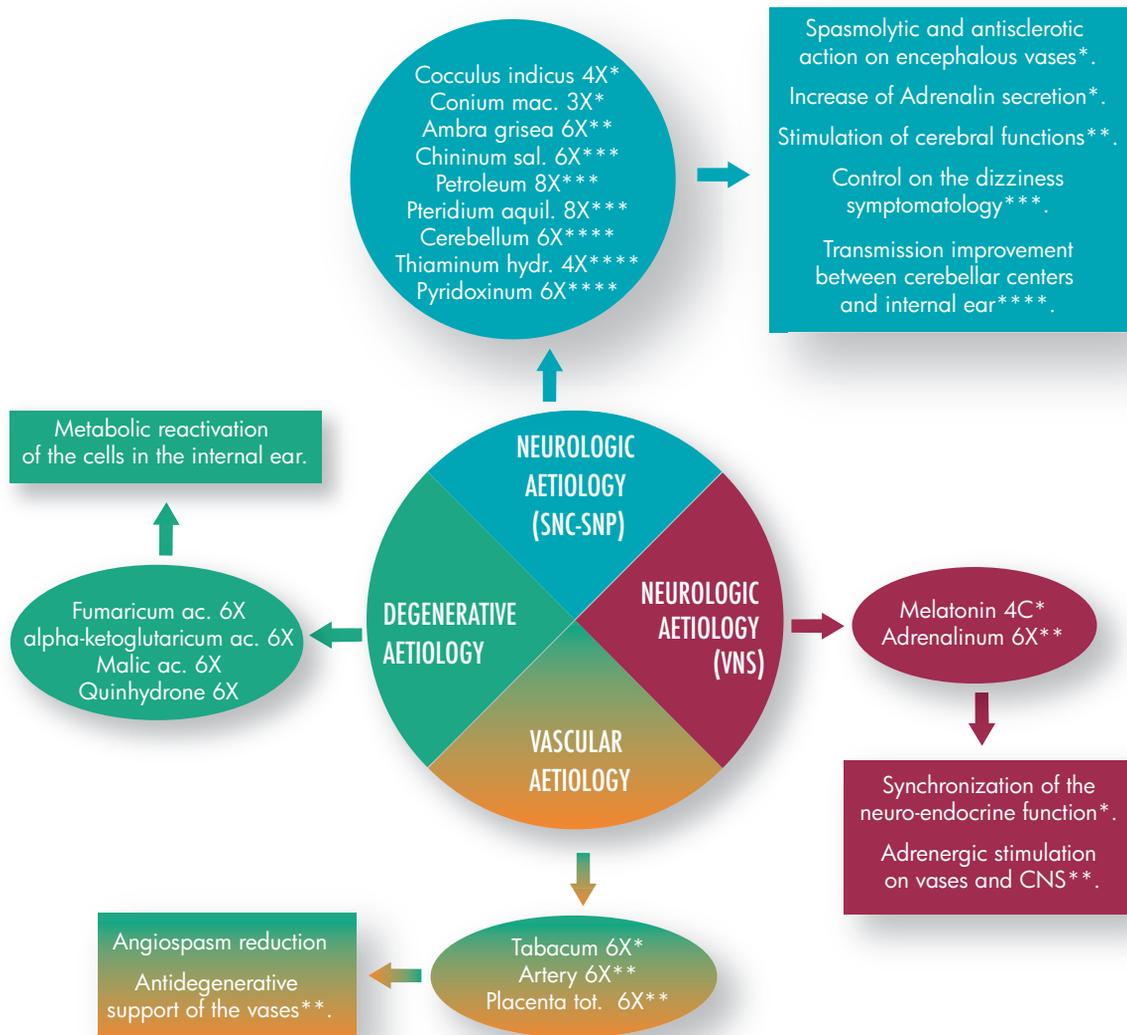
30 ml/1.0 fl. Oz. bottle

### Most common combinations

Guna-Dizzy + Guna-Cell + Guna-Fem/ Guna-Male: vertigo syndromes in patients suffering from light head, dizziness, motion sickness, professional stress, drug side effects, and general decay associated with aging.

Guna-Dizzy + Guna-Arthro: vertigo syndrome of possible arthrotic origin.

The rational structure of **GUNA®-DIZZY** according to **Guna-Method**



# • GUNA®-FEM

DROPS

## Ingredients:

Adenosinum cyclophosphoricum 6X  
Corpus luteum 6X/12X/30X/200X  
Glandula suprarenalis 6X/12X/  
30X/200X  
Hypophysis 6X/12X/30X/200X  
Hypothalamus 6X/12X/30X/200X  
Lilium tigrinum 6X/12X/30X  
Melatonin 6X/12X/30X/200X  
Oophorium 6X/12X/30X/200X  
Pancreas 6X/12X/30X/200X  
Pineal gland 6X/12X/ 30X/200X  
Thymus gland 6X/12X/ 30X/200X  
Thyroidinum 6X/12X/30X/200X

## Uses:

Neuroendocrine axis rebalancing in women; functional disorders of menstrual cycle; mood swings; mental and physical stress conditions.

## Directions:

20 drops twice a day for two months at least.



## Package size:

30 ml/1.0 fl. Oz. bottle

### Most common combinations

Guna-Fem + Guna-PMS: premenstrual syndrome, dysmenorrhea, vasomotor symptoms (hot flushes) of neurovegetative origin, in patients in pre-climacteric or climacteric period.

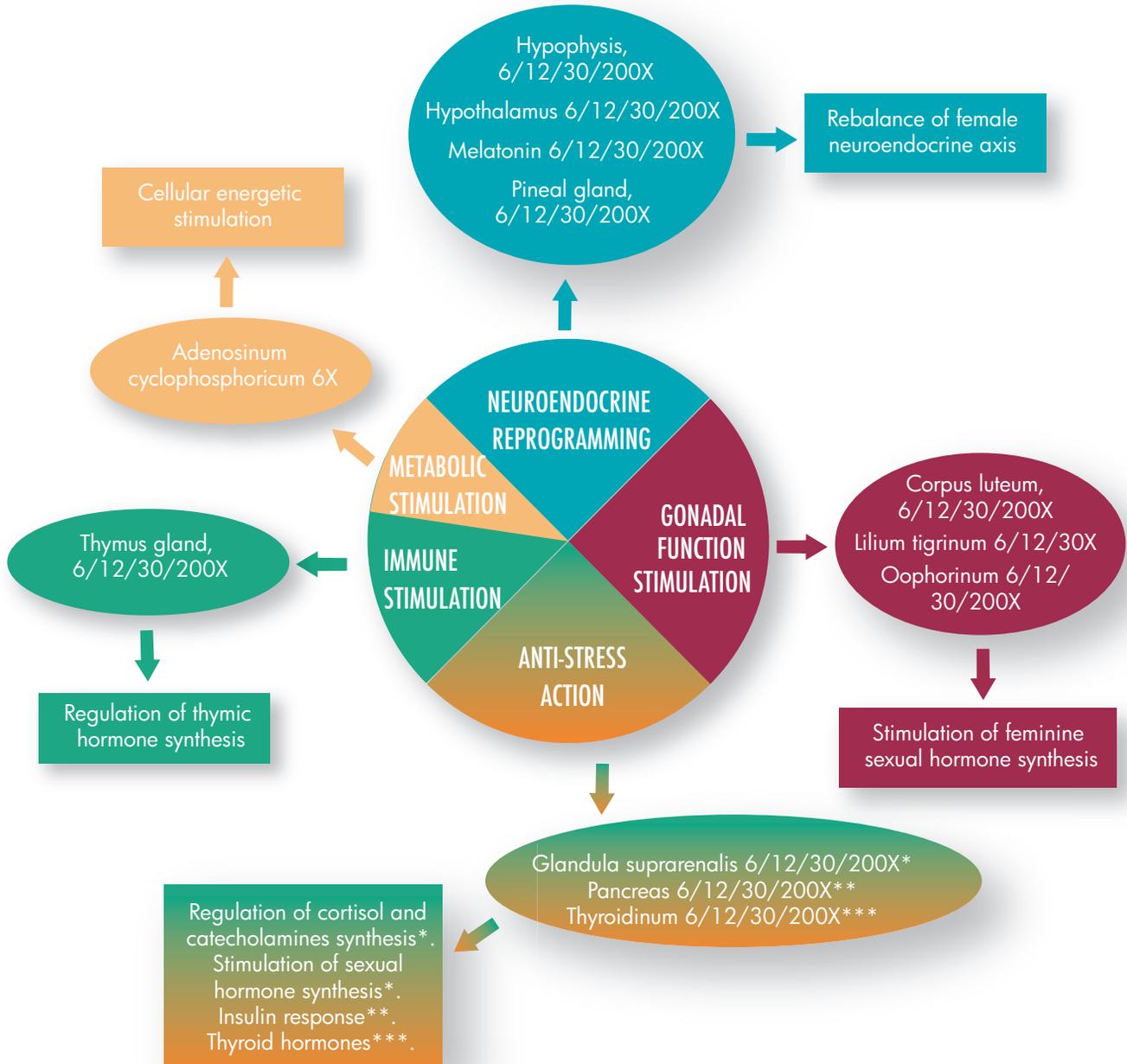
Guna-Fem + Guna-Mood: anxious-depressive syndromes of dysendocrine origin, for instance in the perimenopausal or premenstrual period.

Guna-Fem + Osteobios: prevention and treatment of osteoporosis.

Guna-Fem + Guna-Diur: water retention; essential hypertension.

Guna-Fem + Guna-Cell + Guna-Matrix: anti-aging standard treatment in female patients.

The rational structure of GUNA®-FEM according to Guna-Method



## Ingredients:

Aconitum napellus 6X/12X/30X/200X  
Anti interleukin 1 alpha 4C  
Apis mellifica 6X/12X/30X/200X  
Belladonna 6X/12X/30X/200X  
Beta-Endorphin 6X  
Bryonia alba 6X/12X/30X/200X  
Citricum acidum 3X  
Conjunctiva tissue 12X/30X/200X  
Cuprum carbonicum 4X  
Ferrum phosphoricum 6X/12X/30X/200X  
Calcium sulfide 6X/12X/30X/200X  
Hypophysis 200X  
Interleukin 10 4C  
Melatonin 4C  
Natrium pyruvicum 3X  
Phytolacca decandra 6X/12X/30X/200X  
Pineal gland 6X  
Pyrogenium 30X/200X  
Transforming Growth Factor beta 1 4C

## Uses:

Acute and chronic inflammations in various areas.  
Acute and chronic fever processes; treatment of pain of inflammatory origin.



## Directions:

20 drops twice a day. As a shock therapy, 10 drops every 30 minutes for two hours.

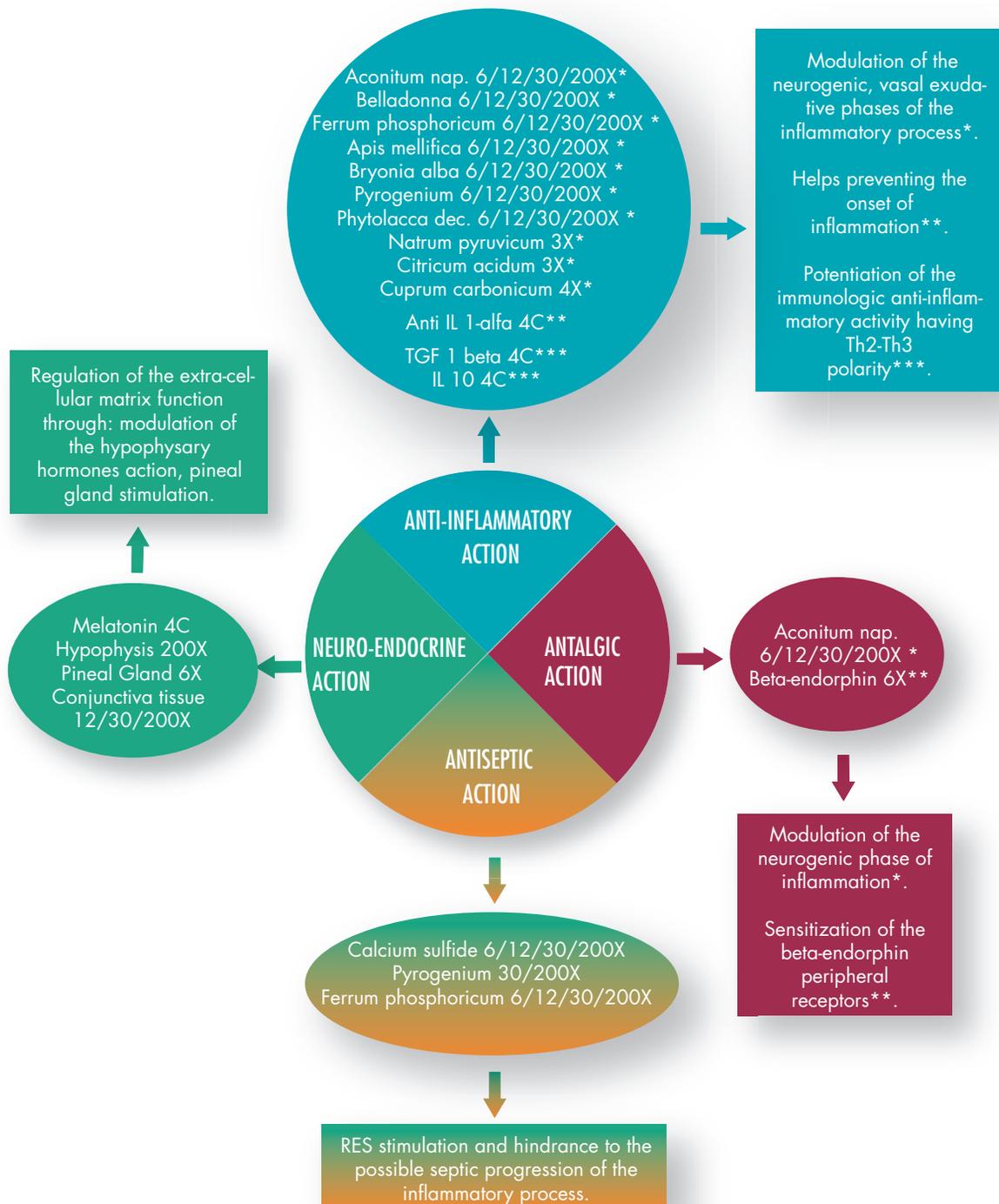
## Package size:

30 ml/1.0 fl. Oz. bottle

### Most common combinations

- Guna-Flam + Guna-Arthro: phlogosis of the joints.
- Guna-Flam + Guna-Allergy-T: symptomatic treatment of allergic rhino-conjunctivitis.
- Guna-Flam + Guna-Flu: influenza with fever.
- Guna-Flam + Guna-Tonsils: tonsillitis with fever.
- Guna-Flam + Guna-Cough: bronchitis with fever.
- Guna-Flam + Guna-Rhino Nose Spray: vasomotor rhinitis with serious oedema of the concha nasalis mucosa.
- Guna-Flam + Guna-Sinus Nose Spray: sinusitis with serious edema of the concha nasalis mucosa, and fever.
- Guna-Flam + Guna-Bowel: Inflammatory Bowel Diseases.
- Guna-Flam + Guna-Kidney + Citomix: inflammatory and infective diseases of the urinary system.
- Guna-Flam + Guna-Hemorrhoids: hemorrhoids.
- Guna-Flam + Anti Age Vein: phlebitis.
- Guna-Flam + Guna-PMS: dysmenorrhea.

The rational structure of GUNA®-FLAM according to Guna-Method



# • GUNA®-FLU

GLOBULES

## Ingredients:

Aconitum napellus 5C  
Anas barbariae, Hepatis et Cordis extractum 200CK  
Asclepias vincetoxicum 5C  
Belladonna 5C  
Cuprum metallicum 3C  
Echinacea angustifolia 3C  
Influenzinum 9C

## Uses:

Prevention and treatment of cold and flu syndromes.

## Directions:

**Prevention:** 1 dose a week for at least 6 weeks starting from September to October. It offers an excellent protection against influenza and influenza-like viruses.

**Treatment:** start during the first 12-24 hours from the onset of the pathology, to treat the symptoms of cold and flu: 1 dose every 6-8 hours till remission of the acute phase.



## Package size:

6 Tubes Net Wt. 6g / 0.21 oz. globules

### Most common combinations

**Guna-Flu + Citomix:** flu prevention in immuno-deficient patients, or those experiencing recurrent influenza episodes.

**Guna-Flu + Citomix + Guna-Cell:** flu prevention in immuno-deficient patients or suffering recurrent influenza in the past, particularly elderly patients.

**Guna-Flu + Guna-Virus:** flu prevention in patients previously affected by viral infections of the upper, middle and lower respiratory tract.

**Guna-Flu + Guna-Tonsils:** flu prevention in patients, particularly children previously affected by tonsillitis or adenotonsillar hypertrophy-hyperplasia.

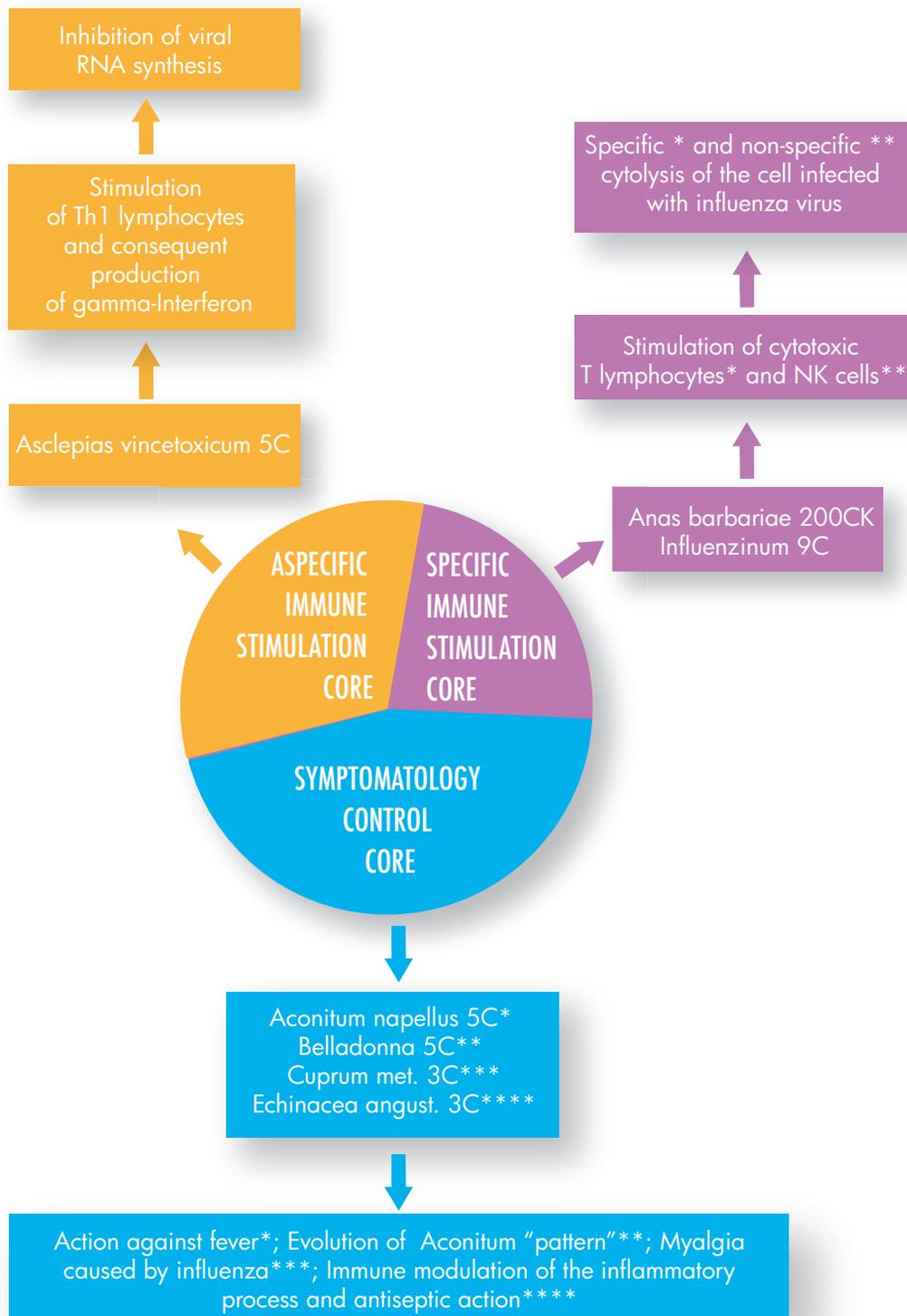
**Guna-Flu + Guna-Flam:** influenza with fever.

**Guna-Flu + Guna-Cough:** influenza with dry and productive cough, especially in children.

**Guna-Flu + Guna-Sinus Nose Spray:** influenza with sinusitis.

**Guna-Flu + Guna-Rhino Nose Spray:** influenza with rhinitis and rhinorrhea.

The rational structure of GUNA®-FLU according to Guna-Method



# • GUNA®-GERIATRICS

DROPS

## Ingredients:

ACTH 6X  
Arnica montana 6X  
Barium oxalsuccinate 3X  
Baryta carbonica 6X  
Brain derived neurotrophic factor 4C  
DL-malic acid 3X  
Frontal lobe 6X  
Glandula suprarenalis 6X  
Hepar 6X  
Hypothalamus 6X  
Insulin-like growth factor-1 4C  
Luteinizing hormone-releasing hormone 6X  
Melatonin 4C  
Neurotrophin 3 4C  
Neurotrophin 4 4C  
Oxytocin 6X  
Parabenzochinon 3X  
Phenylalanine 3X  
Plumbum metallicum 6X  
Pyruvic acid 3X  
Thyrotropin-releasing hormone 6X  
Thyroxine T4 6X



## Package size:

30 ml/1.0 fl. Oz. bottle

## Uses:

Poor memory due to aging; Forgetfulness; Memory disturbances in the elderly; Adjuvant treatment of Alzheimer's disease; Adjuvant treatment of TIA (Transient Ischemic Attacks) outcomes.

## Directions:

20 drops twice a day for two months at least.

### Most common combinations

Guna-Geriatics + Guna-Cell + Guna-Matrix + Guna-Fem/Male: Prevention and treatment of physical and mental aging.

Guna-Geriatics + Guna-Awareness: Improvement of memory performance in elderly patients.

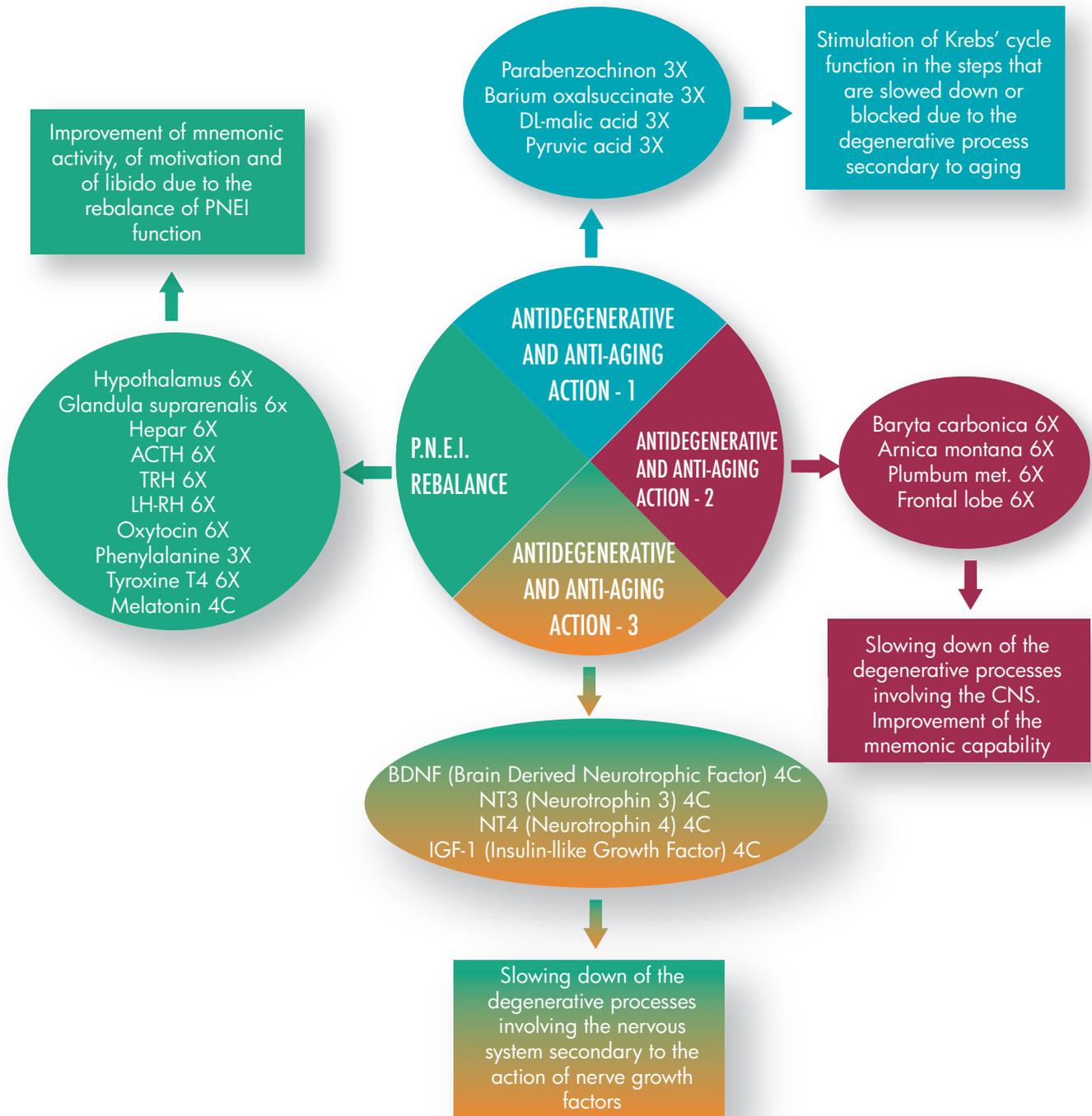
Guna-Geriatics + Guna-Dizzy: Brain arteriosclerosis.

Guna-Geriatics + Guna-Mood + Guna-Fem/Male: Depressive syndromes in elderly patients.

Guna-Geriatics + Guna-Liver: Adjuvant treatment of Transient Ischemic Attacks (TIA), especially due to hyperlipidemia.

# GUNA®-GERIATRICS

The rational structure of **GUNA®-GERIATRICS** according to Guna-Method



# • GUNA®-HEMORRHOIDS

DROPS

## Ingredients:

Aesculus hippocastanum 6C  
Anti interleukin 1 alpha 4C  
Anti interleukin 1 beta 4C  
Arnica montana 6C  
Belladonna 6C  
Carbo vegetabilis 10X  
Hamamelis virginiana 6C  
Hepar 6X/12X/30X  
Hydrocotyle asiatica 6C  
Lymphatic vessel 6X  
Melissa officinalis 6C  
Nux vomica 6C  
Paeonia officinalis 6X  
Podophyllum peltatum 4C  
Vein 4C

## Uses:

Acute and chronic hemorrhoids.

## Directions:

20 drops twice a day. In acute phase, 10 drops every 30 minutes for 2-3 hours.



## Package size:

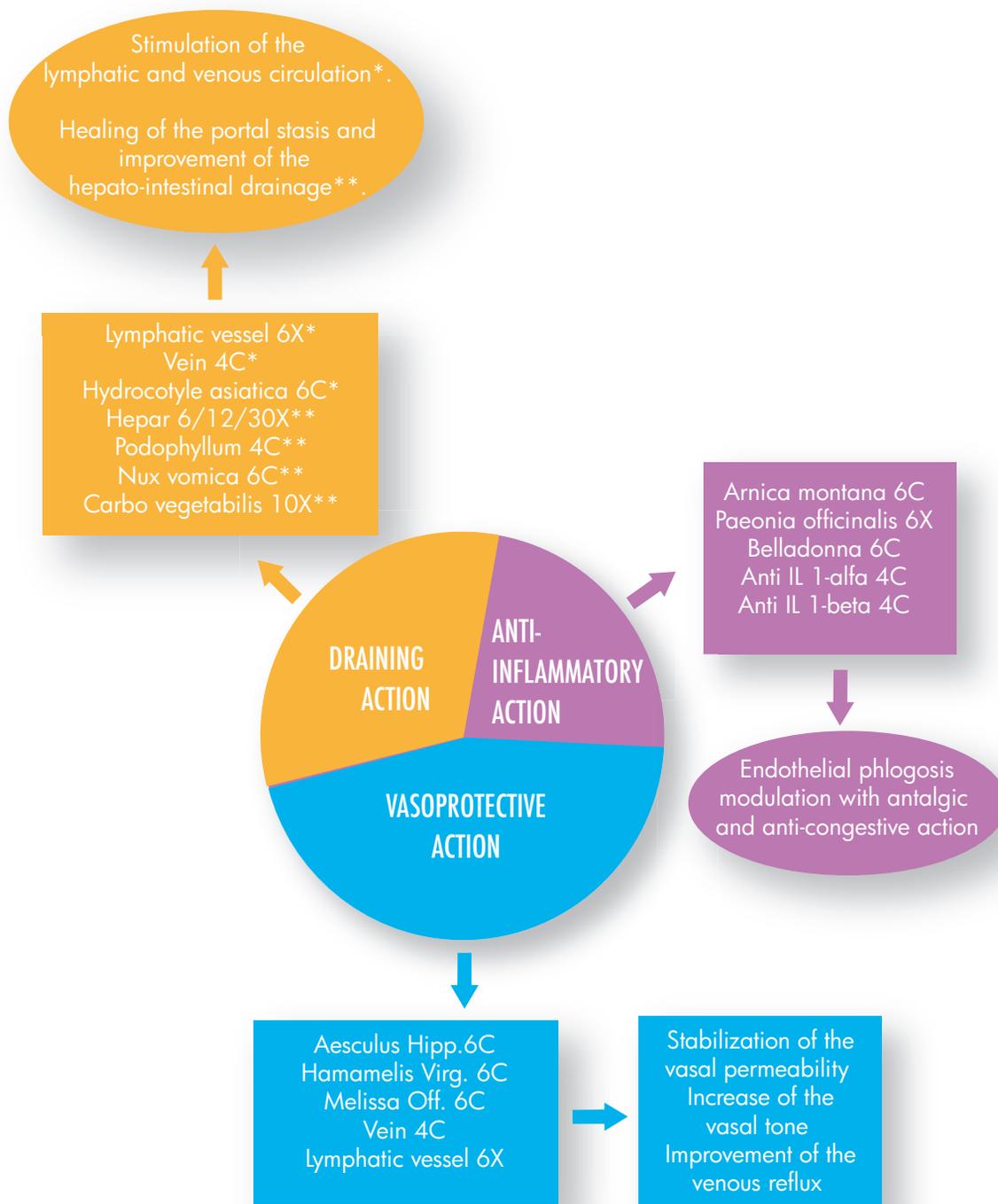
30 ml/1.0 fl. Oz. bottle

### Most common combinations

- Guna-Hemorrhoids + Guna-Liver: hemorrhoids having a possible hepatic etiology (portal overloading).
- Guna-Hemorrhoids + Guna-Bowel: hemorrhoids in patients affected by functional disorders of the digestive tract, especially constipation.
- Guna-Hemorrhoids + Guna-Digest: hemorrhoids in patients affected by digestive disorders.
- Guna-Hemorrhoids + Guna-Flam: hemorrhoids with serious pain.
- Guna-Hemorrhoids + Anti Age Stress: hemorrhoids in patients under stress conditions.

# GUNA®-HEMORRHOIDS

The rational structure of **GUNA®-HEMORRHOIDS** according to **Guna-Method**



# • GUNA®-HYPERTENSION

DROPS

## Ingredients:

Arnica montana 12X  
Aurum metallicum 12X  
Coenzyme Q10 3X  
Diencephalon 6X  
Fumaricum acidum 3X  
Glandula suprarenalis 200X  
Kidney 6X  
Melatonin 4C  
Melilotus officinalis 6X  
Natrium pyruvicum 3X  
Olea europea, Bark 3X  
Plumbum metallicum 12X  
Rauwolfia serpentina 6X  
Spigelia anthelmia 6X  
Viscum album 3X

## Uses:

Adjuvant therapy for the temporary relief of symptoms due to high blood pressure such as: headache, dizziness, swelling.

## Directions:

20 drops twice a day for two months at least.



## Package size:

30 ml/1.0 fl. Oz. bottle

### Most common combinations

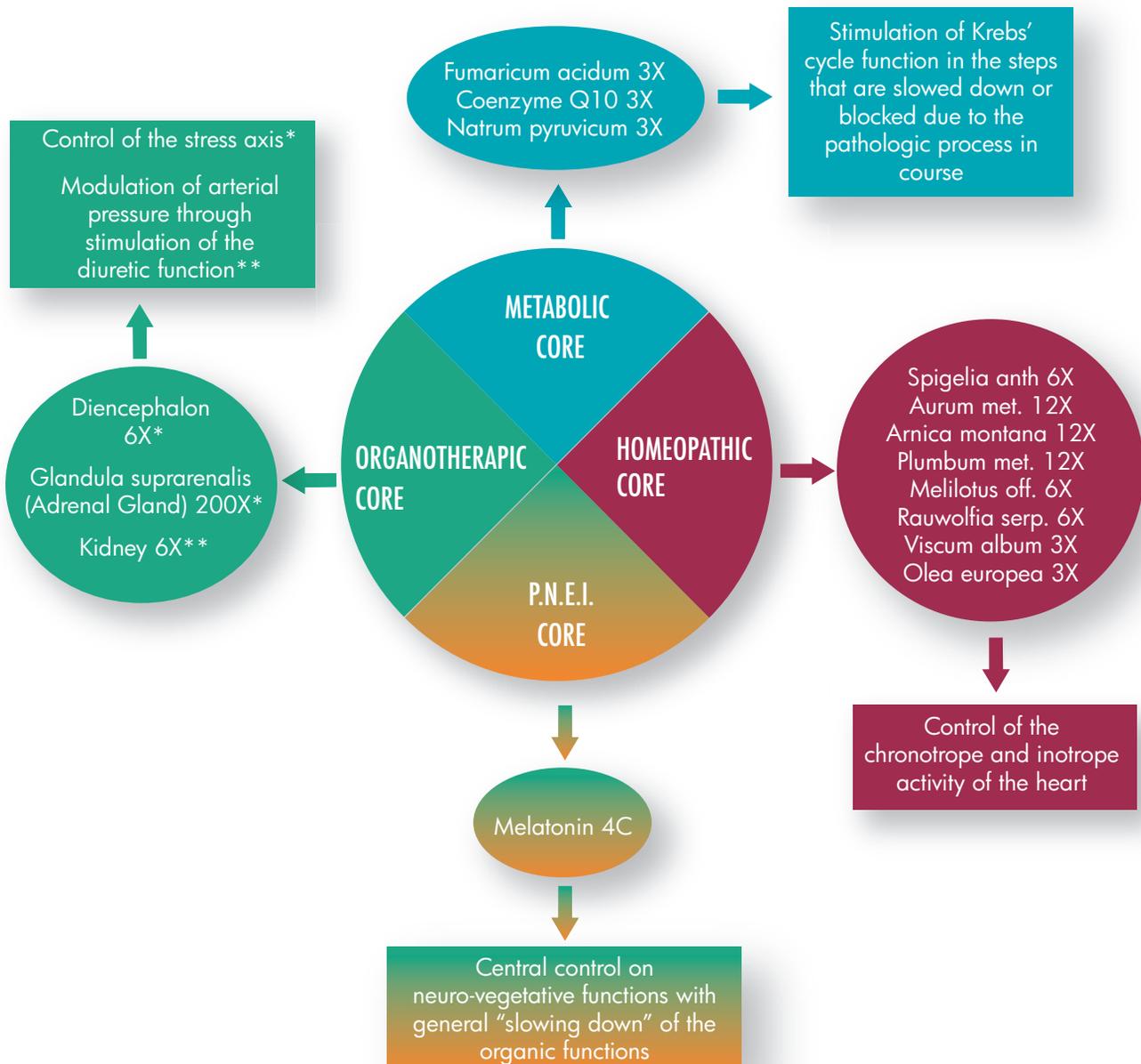
Guna-Hypertension+Guna-Geriatrics: arterial hypertension in the elderly.

Guna-Hypertension+Guna-Diur: standard PRM treatment of arterial hypertension.

Guna-Hypertension+Guna-Geriatrics+Guna-Liver: preventive complementary treatment for TIA (Transient Ischemic Attacks) recurrences.

# GUNA®-HYPERTENSION

The rational structure of **GUNA®-HYPERTENSION** according to Guna-Method



# • GUNA® - KIDNEY

DROPS

## Ingredients:

Colibacillinum cum natrum muriaticum 12X  
Equisetum hyemale 3X  
Kali nitricum 6X/8X/12X  
Kidney 6X/8X  
Methylene blue 8X  
Mouse-Ear hawkweed 1X  
Nitricum acidum 6X/8X/12X  
Ononis spinosa 2X  
Orthosiphon stamineus 2X  
Pareira brava 2X  
Plantago major 2X  
Proteus 12X  
Quinhydrone 8X  
Sarsaparilla 2X  
Solidago virgaurea 1X  
Succinicum acidum 6X  
Ureter 8X  
Urinary bladder 8X

## Uses:

Kidney failure; cystopyelitis; nephrolithiasis; hydronephrosis; nephrosclerosis.

## Directions:

20 drops twice a day for two months at least.



## Package size:

30 ml/1.0 fl. Oz. bottle

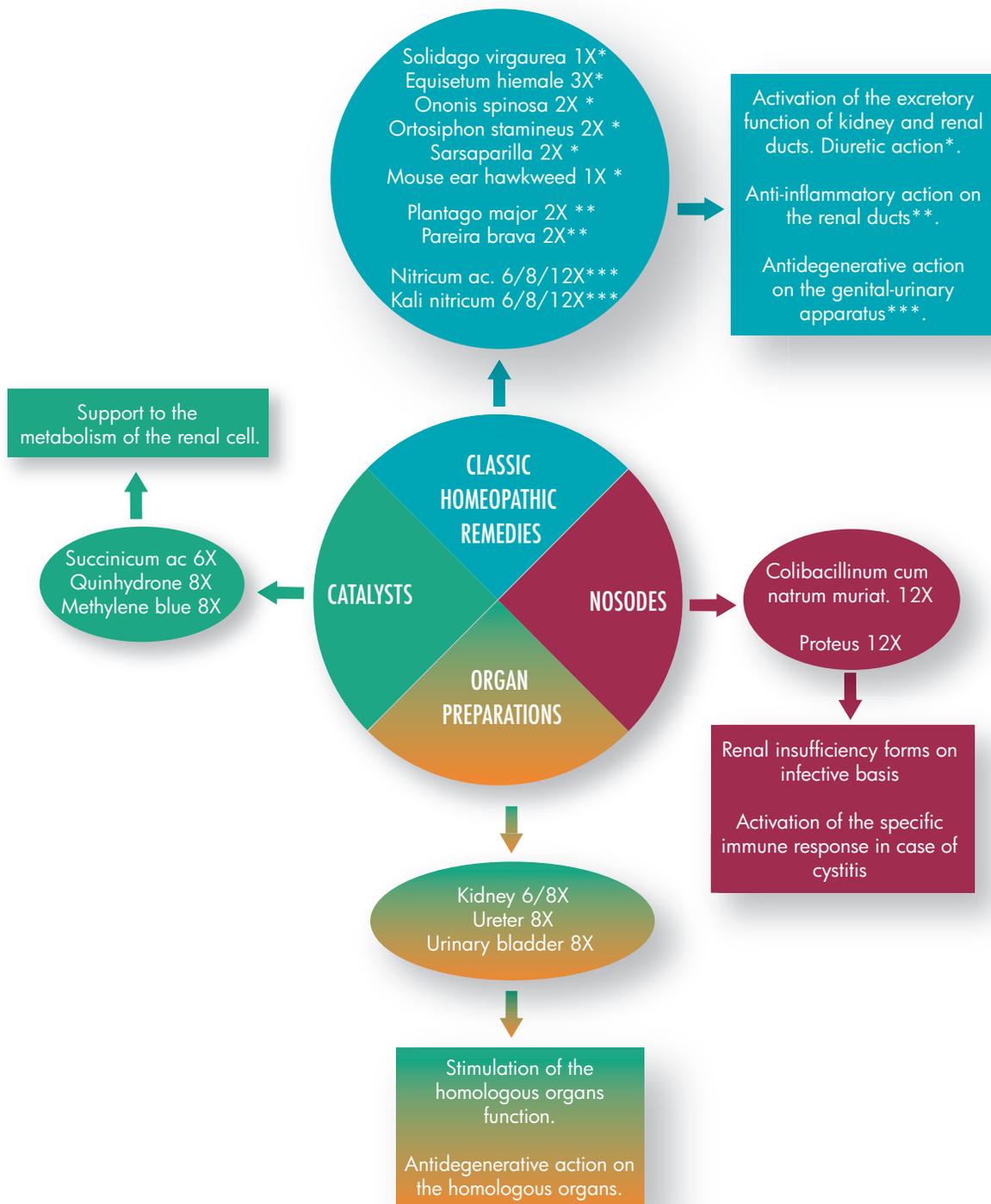
### Most common combinations

Guna-Kidney + Citomix: recurrent urinary tract infections.

Guna-Kidney + Guna-Flam: urinary tract inflammation.

# GUNA® - KIDNEY

The rational structure of **GUNA® -KIDNEY** according to **Guna-Method**



# • GUNA® - LIVER

PELLETS

## Ingredients:

Carduus marianus 2X  
Ceanothus americanus 6X  
Chelidonium majus 2X  
Chionanthus virginica 6X  
Cholinum 4X  
Cobalamin 4X  
Fumaricum acidum 4X  
Gall bladder 8X  
Hepar 6X  
Inositol 4X  
Jejunum 8X  
Kali sulphuricum 6X, 8X, 12X  
Leptandra virginica 6X  
Lycopodium clavatum 6X  
Natrum oxalaceticum 4X  
Natrum pyruvicum 4X  
Niacin 6X  
Pancreas 8X  
Pyridoxinum hydrochloricum 6X  
Riboflavinum 6X  
Sodium sulfate 6X, 8X, 12X  
Spleen 8X  
Taraxacum officinale 2X  
Thiaminum hydrochloricum 6X



## Package size:

Net Wt. 8 g/0.28 oz. 2 Tubes

## Uses:

Hepatic insufficiency, hepatic hypercholesterolemia, familial hypercholesterolemia, hepatobiliary detoxification, cholelithiasis with hyperbilirubinemia, hepatic steatosis, alcoholism, digestive disorders, and skin rashes.

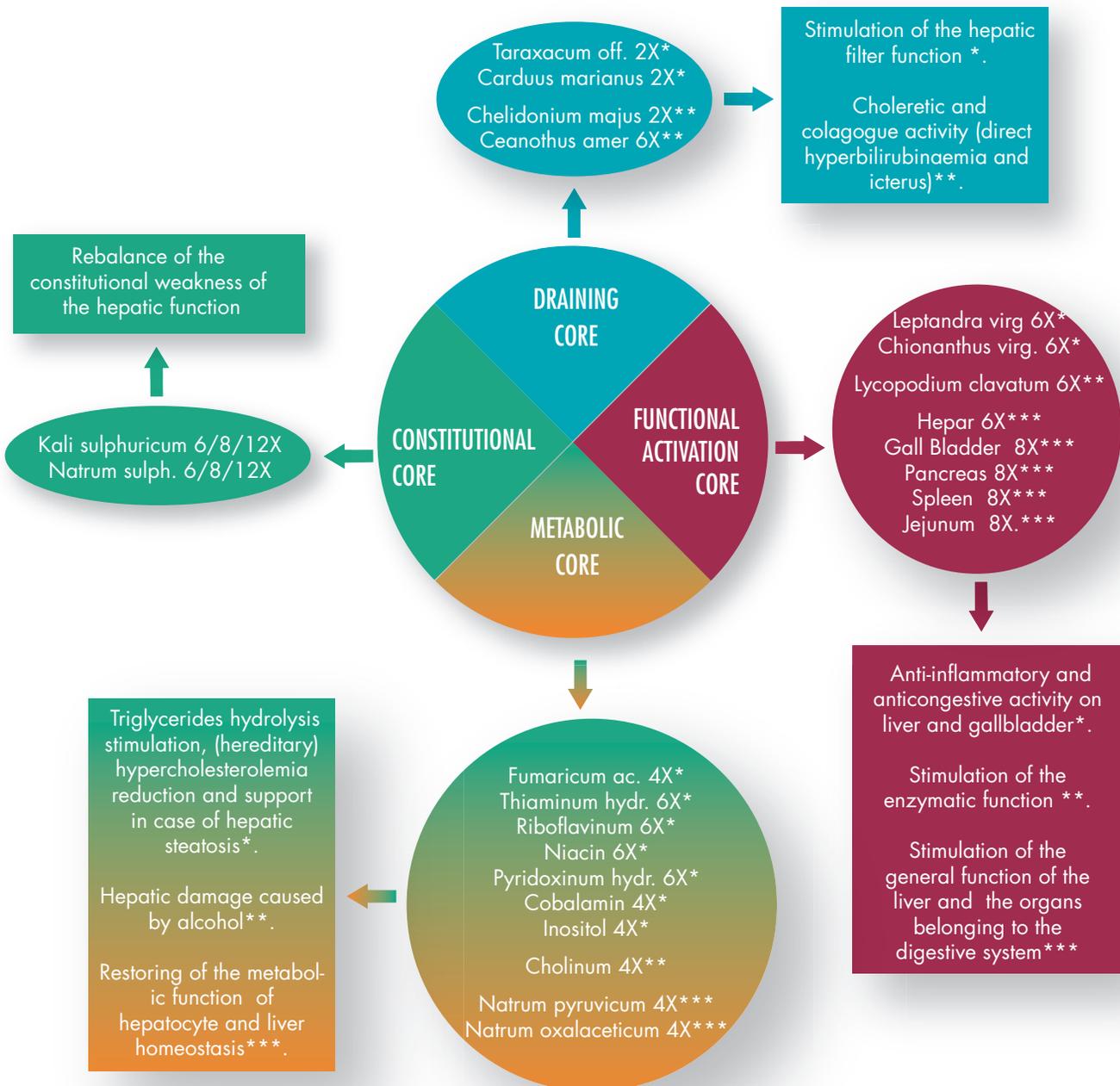
## Directions:

5 pellets 2 times a day.

### Most common combinations

- Guna-Liver + Guna-Matrix + Guna-Cell: pharmaceutical damage (iatrogenic diseases).
- Guna-Liver + Guna-Bowel: digestive disorders; persistent constipation.
- Guna-Liver + Addict 1: treatment for alcohol addicted patients.
- Guna-Liver + Guna-Dermo: dermatitis, dermatosis, eczema, psoriasis, cutaneous rashes.
- Guna-Liver + Guna-Hemorrhoids: hemorrhoids.

### The rational structure of GUNA® -LIVER according to Guna-Method



# • GUNA® - LYMPHO

DROPS

## Ingredients:

Apis mellifica 8X  
Calendula officinalis 1X  
Capillary tissue 6X  
DL-malic acid 6X  
Equisetum hyemale 3X  
Fumaricum acidum 6X  
Graphites 6X/12X/30X/200X  
Hydrastis canadensis 1X  
Hydrocotyle asiatica 1X  
Juglans regia 3X  
Levothyroxin 6X/12X  
Lymphatic vessel 6X  
Magnesia phosphorica 6X/12X/30X/200X  
Myosotis arvensis 3X  
Natrum oxalaceticum 6X  
Natrum pyruvicum 6X  
Phytolacca decandra 3X  
Sarsaparilla 3X  
Taraxacum officinale 1X  
Trichinoyl phosphate 6X  
Vein 6X



## Directions:

20 drops twice a day for two months at least. In acute cases 10 drops every 30 minutes for 2 or 3 hours.

## Package size:

30 ml/1.0 fl. Oz. bottle

## Uses:

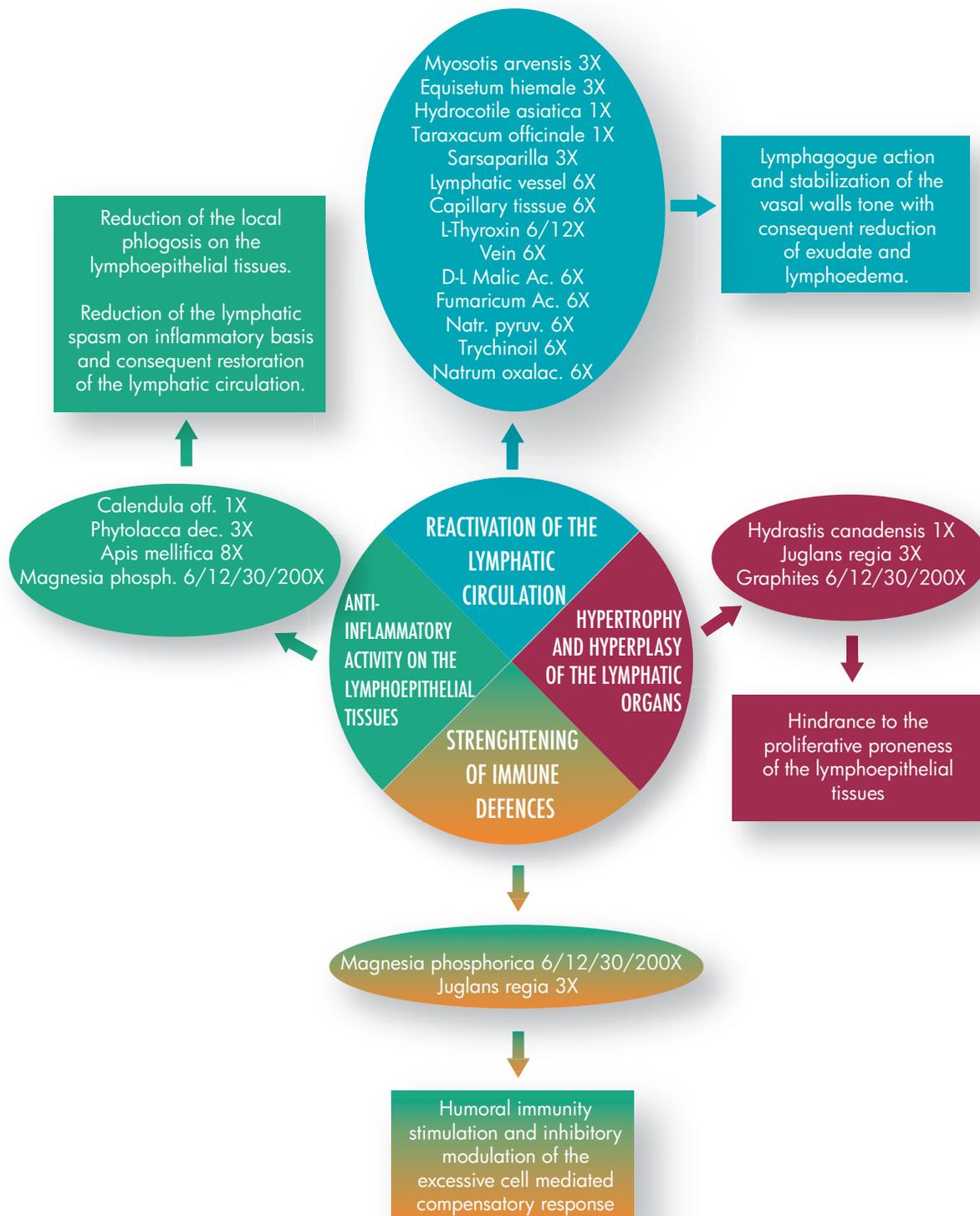
Lymphatic stasis (lymphedemas); extracellular matrix detoxification; inflammatory diseases of the lymphatic organs (lymphadenitis, lymphangitis); hyperplasia or hypertrophy of the lymphatic organs.

### Most common combinations

Guna-Lympho + Guna-Matrix + Guna-Liver: detoxification and drainage in patients with good liver function.  
Guna-Lympho + Guna-Matrix + Guna-Bowel: detoxification and drainage in patients with good intestinal function.  
Guna-Lympho + Guna-Matrix + Guna-Kidney: detoxification and drainage in patients with good renal function.  
Guna-Lympho + Anti Age Vein: venous insufficiency with lymphatic stasis.  
Guna-Lympho + Guna-Tonsils: lymph adenopathies.

## GUNA® - LYMPHO

The rational structure of **GUNA®-LYMPHO** according to Guna-Method



# • GUNA® - MALE

DROPS

## Ingredients:

Adenosinum cyclophosphoricum 6X  
Damiana 6X/12X/30X  
Glandula suprarenalis 6X/12X/30X/200X  
Hypophysis 6X/12X/30X/200X  
Hypothalamus 6X/12X/30X/200X  
Melatonin 6X/12X/30X/200X  
Orchitinum 6X/12X/30X/200X  
Pancreas 6X/12X/30X/200X  
Phosphorus 6X  
Pineal gland 6X/12X/30X/200X  
Thymus gland 6X/12X/30X/200X  
Thyroidinum 6X/12X/30X/200X

## Uses:

Neuroendocrine axis rebalancing in men, male menopause; sexual performance issues; mood swings; mental and physical stress conditions.

## Directions:

20 drops twice a days for two months at least.



## Package size:

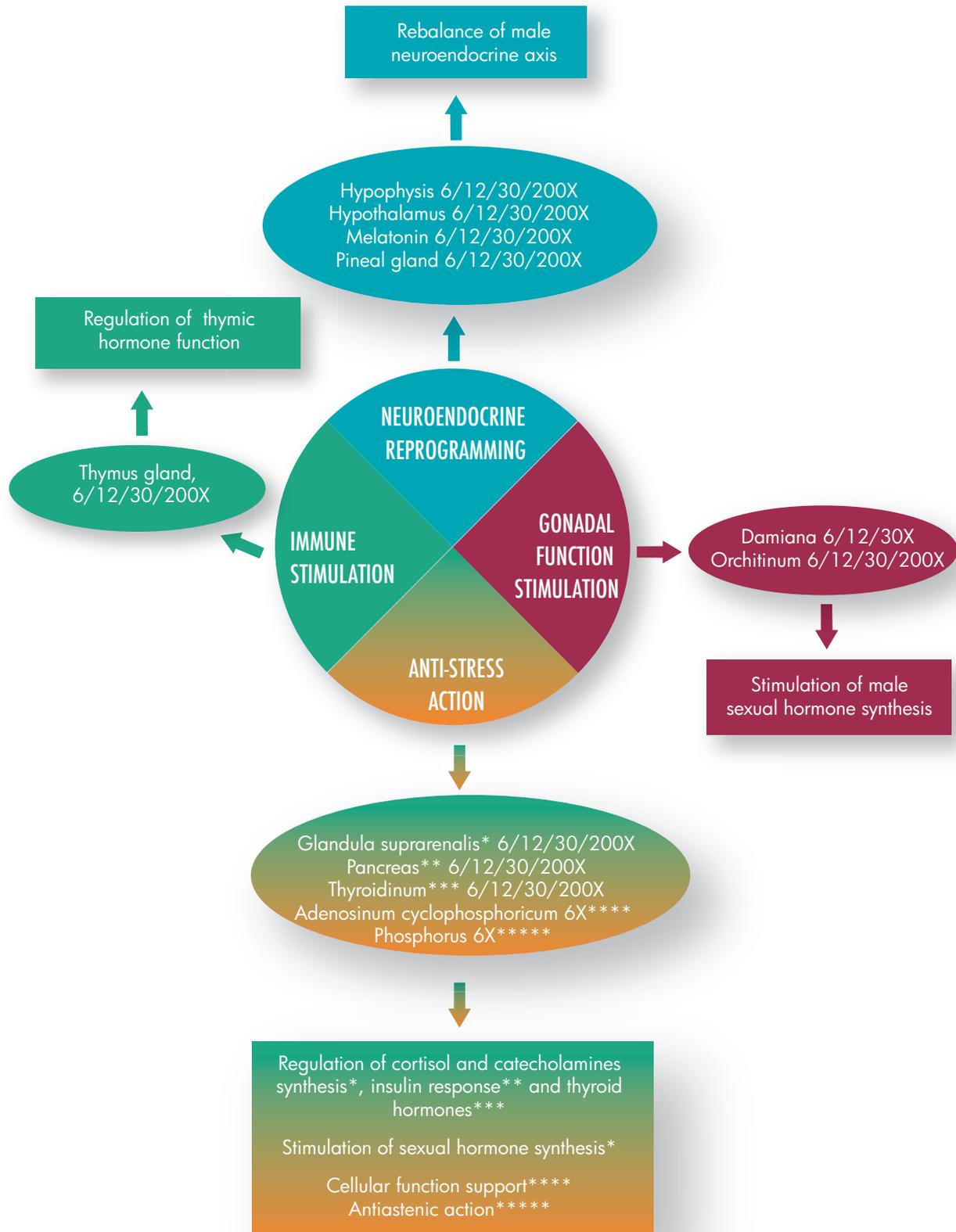
30 ml/1.0 fl. Oz. bottle

### Most common combinations

Guna-Male + Guna-Mood: anxious-depressive syndromes of dysendocrine origin in male patients.

Guna-Male + Guna-Cell + Guna-Matrix: anti-aging standard treatment in male patients.

The rational structure of **GUNA® - MALE** according to Guna-Method



# • GUNA® - MATRIX

DROPS

## Ingredients:

Ascorbic acid 4X  
Conjunctiva tissue 6X  
Dehydroepiandrosteron 6X  
DL-malic acid 6X  
Fucus vesiculosus 4X  
Histidine 4X  
Hyaluronidase 6X  
Interleukin 6 4C  
Lacticum acidum 4X  
Lymphatic vessel 6X  
Nadidum 6X  
Natrium oxalaceticum 6X  
Natrium pyruvicum 6X  
Phenylalanine 4X  
Prolactin 6X  
Pyrogenium 12X  
Sodium sulfate 6X, 8X, 12X, 30X, 200X  
Thuja occidentalis 6X, 8X, 12X, 30X, 200X  
Trichinoyl phosphate 6X  
Tyrosine 4X



## Package size:

30 ml/1.0 fl. Oz. bottle

## Uses:

Detoxification and drainage of extracellular matrix.

## Directions:

20 drops twice a day for two months at least.

### Most common combinations

Guna-Matrix + Guna-Lympho + Guna-Liver: detoxification and drainage in patients with good liver function.  
Guna-Matrix + Guna-Lympho + Guna-Bowel: detoxification and drainage in patients with good intestinal function.

Guna-Matrix + Guna-Lympho + Guna-Kidney: detoxification and drainage in patients with good renal function.

Guna-Matrix + Guna-Allergy-Prev: preventive treatment of allergies, in particular in patients previously treated with corticosteroids.

Guna-Matrix + Guna-Tonsils: treatment of chronic and recurrent tonsillitis in patients previously treated with antibiotics.

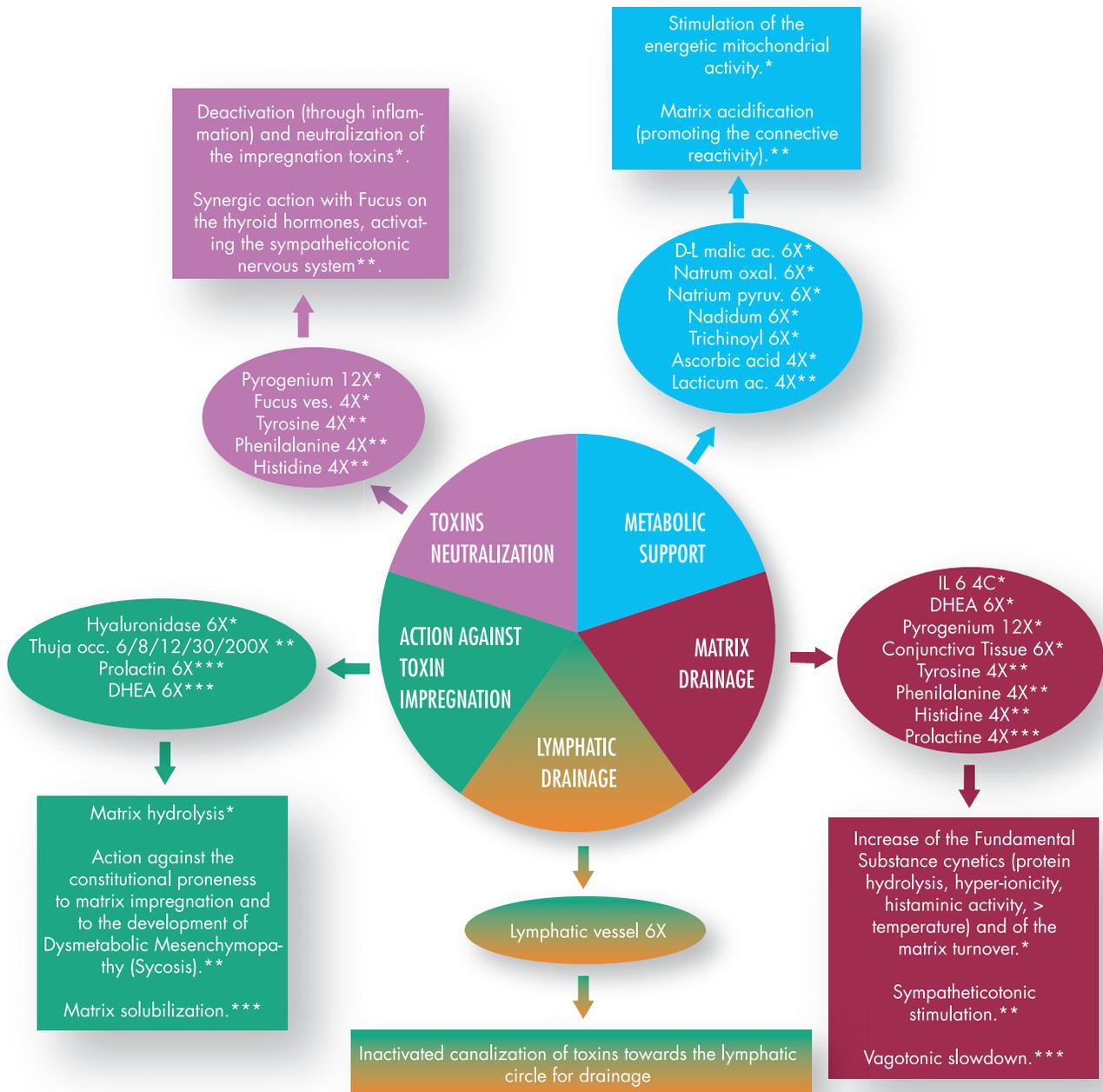
Guna-Matrix + Guna-Arthro: treatment of arthritic patients previously treated with corticosteroids.

Guna-Matrix + Guna-Liver + Guna-Cell: pharmaceutical damage (iatrogenic diseases).

Guna-Matrix + Guna-Cough: cough and catarrhal bronchitis in smoking patients.

Guna-Matrix + Guna-Dermo: matrix detoxification in dermatitis and dermatosis.

The rational structure of GUNA® -MATRIX according to Guna-Method



# • GUNA® - MOOD

DROPS

## Ingredients:

5-Hydroxytryptophan 3X  
Alfalfa 6X  
Avena sativa 6X  
Ignatia amara 30C  
Lachesis mutus 30C  
Phosphoricum acidum 6X/12X/30X/200X  
Pineal gland 6X/12X/30X/200X  
Salix vitellina, Flos 10X  
Salmonella typhi 30C  
Sepia 6C/30C  
Serotonin 6C/30C  
Thymus gland 6X/12X/30X/200X  
Tryptophan 3X

## Uses:

Anxious depression; cyclic mood disorders; psychogenic food disorders (in particular bulimia, with carbohydrate craving); depressive states and mood instability in the menopausal and pre-menopausal period.

## Directions:

20 drops twice a day for two months at least.



## Package size:

30 ml/1.0 fl. Oz. bottle

### Most common combinations

Guna-Mood + Guna-Fem: anxious-depressive syndromes due to endocrine imbalance, typical of the perimenopausal period.

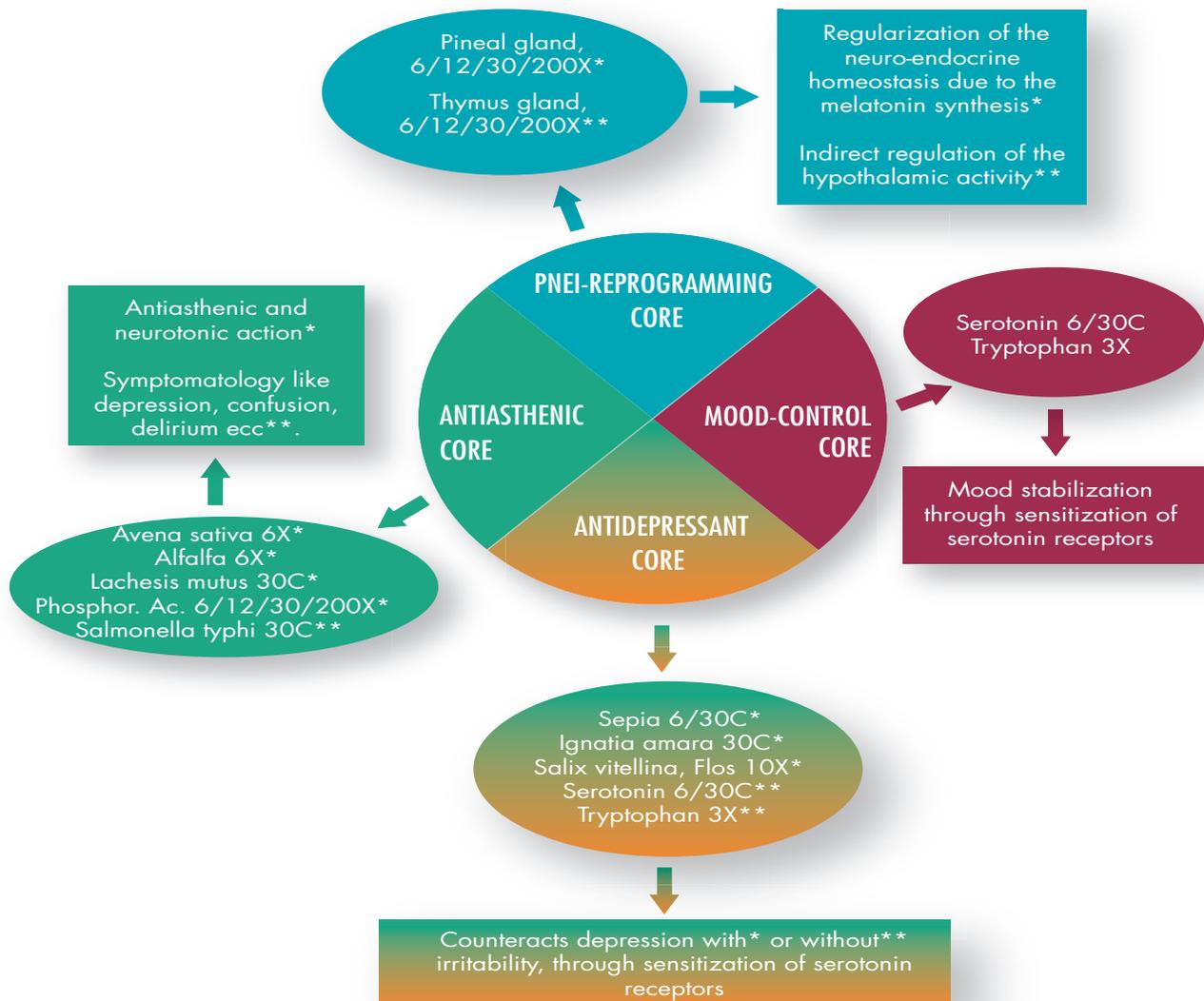
Guna-Mood + Guna-Matrix (+ Guna-Liver): anxious-depressive syndromes in patients previously treated with conventional anti-depressives and anxiolytic medications.

Guna-Mood + Guna-PMS: anxious-depressive syndromes during PMS.

Guna-Mood + Anti Age Stress: anxious-depressive syndromes as a consequence of stress.

Guna-Mood + Guna-Sleep: anxious-depressive syndromes with insomnia.

The rational structure of **GUNA®-MOOD** according to Guna-Method



# • GUNA® - ORAL SPRAY

ORAL SPRAY

## Ingredients:

Aconitum napellus 3X  
Arnica montana 3X  
Belladonna 4X  
Calcium sulfide 6X  
Echinacea angustifolia 2X  
Echinacea purpurea 2X  
Hamamelis virginiana 2X  
Hypericum perforatum 3X  
Millefolium 3X  
Symphytum officinale 6X  
Teeth 12X

## Uses:

Inflammations (with infective and non infective etiology) of the oral cavity.

## Directions:

Spray on the affected areas at least 3 times a day. In the acute phase, spray every 15 minutes for up to 2 hours.



## Package size:

30 ml/1.0 fl. Oz. bottle

### Most common combinations

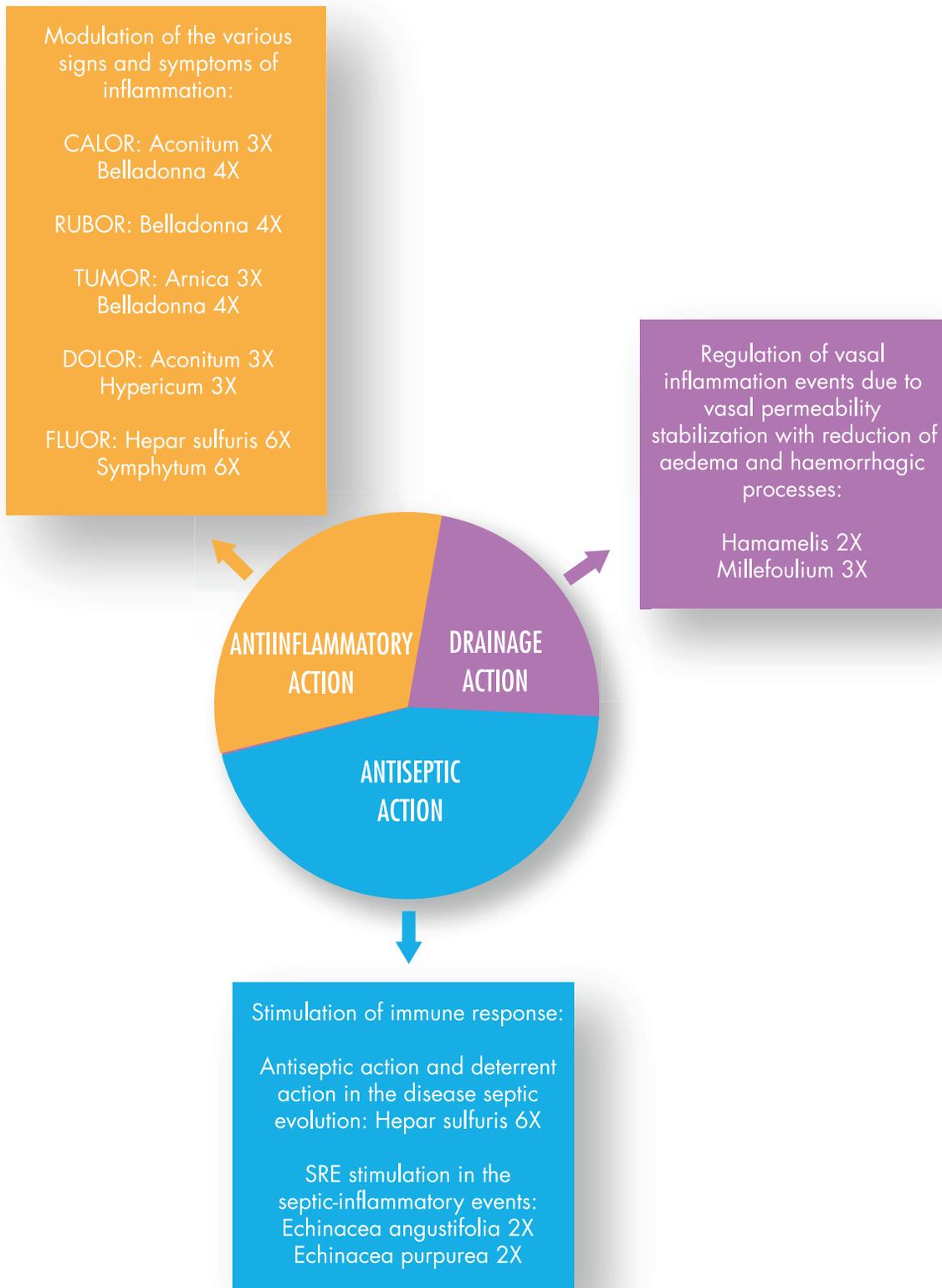
Guna-Oral Spray + Citomix: persistent, recurrent, chronic pharyngitis.

Guna-Oral Spray + Guna-Flam: acute pharyngitis with fever.

Guna-Oral Spray + Guna-Tonsils: acute pharyngotonsillitis.

# GUNA® - ORAL SPRAY

The rational structure of **GUNA® - ORAL SPRAY** according to **Guna-Method**



# • GUNA® - PMS

DROPS

## Ingredients:

Arsenicum album 6C  
Beta-Estradiol 6X  
Chamomilla 6C  
Hydrastis canadensis 6C  
Hypophysis 8X  
Lachesis mutus 4C  
Magnesia phosphorica 6C  
Melatonin 4C  
Nux vomica 6C  
Oophorinum 8X  
Progesterone 6X  
Sulphur 6C

## Uses:

Premenstrual syndrome (menstrual pains, moodiness, headache, mammary pressure, water retention, etc.); dysmenorrhoea; menopausal symptoms.

## Directions:

Premenstrual syndrome: 10 drops 3 times a day from 10 days before the first day of the menstrual cycle. In acute phase: 10 drops every 30 minutes for 2-3 hours. Dysmenorrhoea: 10 drops 3 times a day; as a shock therapy: 10 drops every 30 minutes for 2-3 hours.



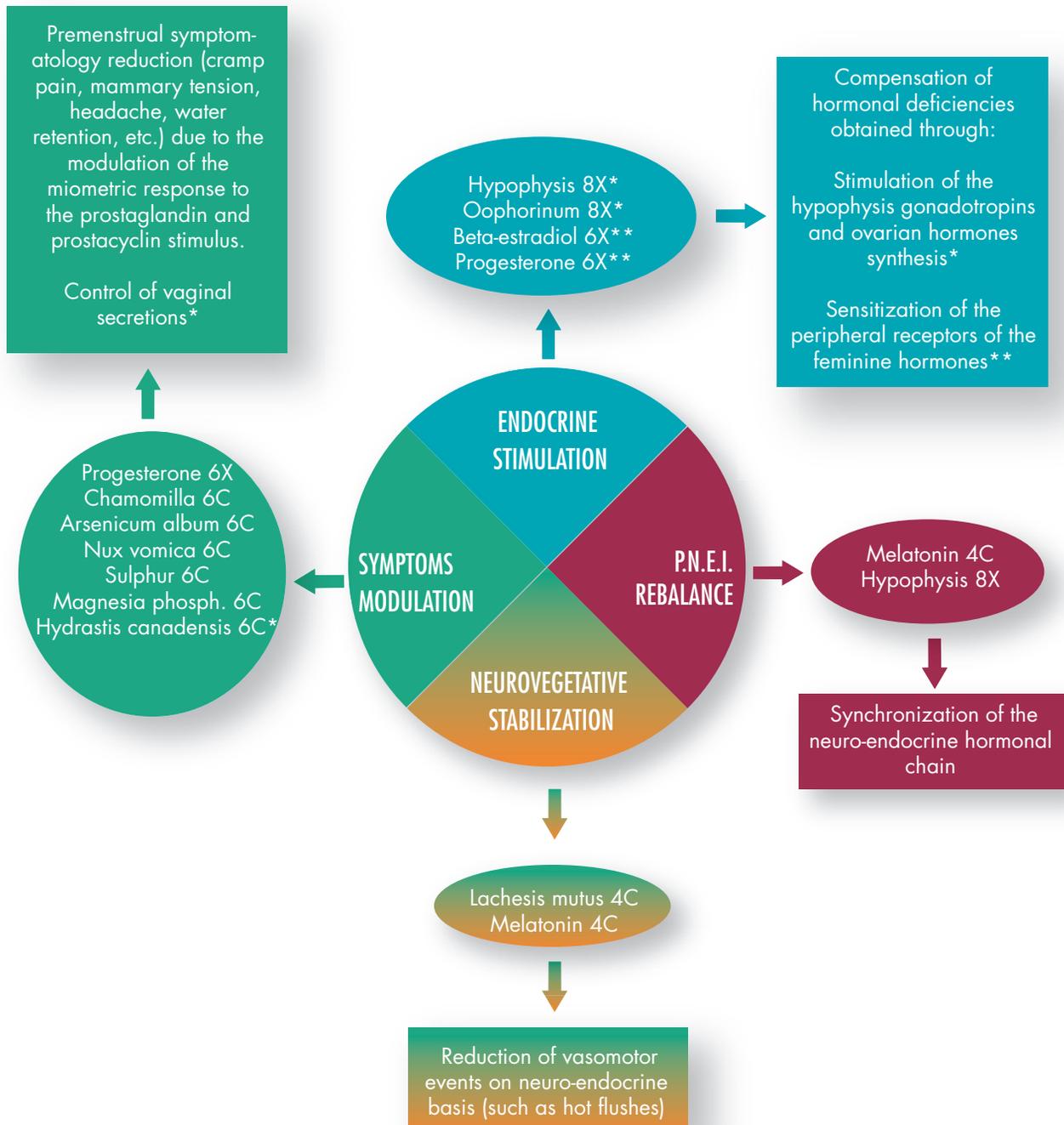
## Package size:

30 ml/1.0 fl. Oz. bottle

### Most common combinations

- Guna-PMS + Guna-Mood: anxious-depressive syndromes during PMS.
- Guna-PMS + Guna-Flam: dysmenorrhea with severe pain.
- Guna-PMS + Guna-Fem: PMS in patients with evident neuroendocrine dysmetabolism.
- Guna-PMS + Guna-Fem: climacteric syndrome in patients with evident neuroendocrine dysmetabolism.
- Guna-PMS + Guna-Lympho: PMS characterized by lymphedema.
- Guna-PMS + Anti Age Stress: PMS accompanied by serious stress.
- Guna-PMS + Guna-Hemorrhoids: PMS with hemorrhoids.

### The rational structure of GUNA®-PMS according to Guna-Method



# • GUNA® - PROSTATE

DROPS

## Ingredients:

Agnus castus 6X  
Baryta carbonica 12X, 30X  
Chimaphila umbellata 6X  
Clematis erecta 3X  
Conium maculatum 12X, 30X  
Digitalis purpurea 12X, 30X  
Ferrum picricum 12X, 30X  
Interferon gamma 4C  
Interleukin 10 4C  
Interleukin 2 4C  
Melatonin 4C  
Prostate 200X  
Sabal serrulata 3X  
Selenium metallicum 12X, 30X  
Staphysagria 12X, 30X  
Thuja occidentalis 12X, 30X  
Transforming growth factor beta1 4C  
Zincum metallicum 3X

## Uses:

Adjuvant therapy for the temporary relief of symptoms due to benign prostate hypertrophy (BPH): slowed or delayed start of urination, sudden urge to urinate, incontinence, painful urination.

## Directions:

20 drops twice a day for two months at least.



## Package size:

30 ml/1.0 fl. Oz. bottle

### Most common combinations

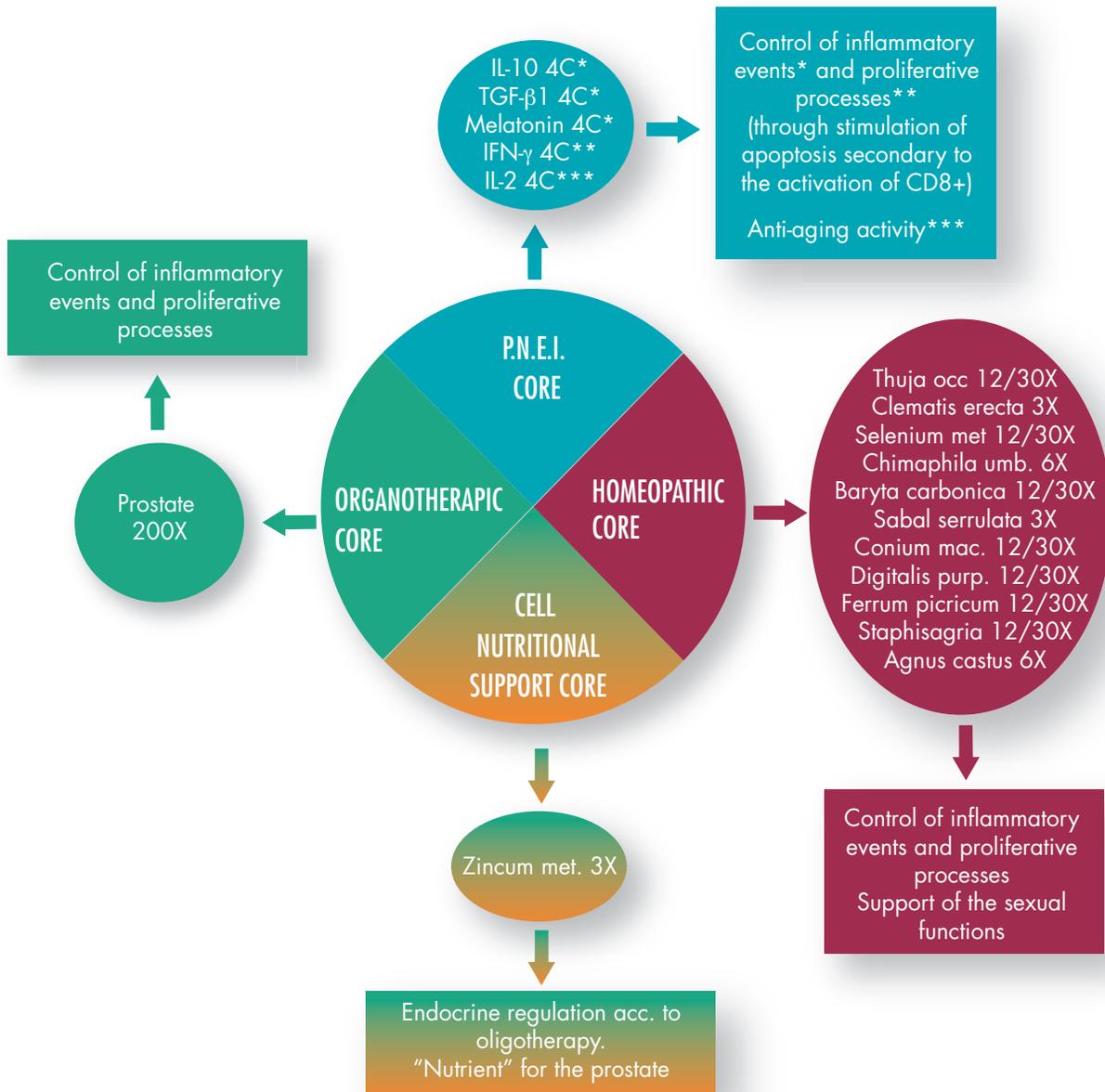
Guna-Prostate+Guna-Flam: acute prostatitis.

Guna-Prostate+Citomix+Guna-Cell: chronic prostatitis.

Guna-Prostate+Guna-Kidney+Guna-Lympho: prostatic hypertrophy.

# GUNA®- PROSTATE

The rational structure of **GUNA®- PROSTATE** according to Guna-Method



# • GUNA<sup>®</sup>- REACT

PELLETS

## Ingredients:

Angelica sinensis, Radix 3X  
Arnica montana 4X/6X/8X  
Carduus marianus 3X  
Echinacea angustifolia 3X  
Ginseng 1X  
Hepar 4C  
Interferon gamma 4C/7C  
Ling chin mushroom 8X  
Lymphatic gland 4C  
Paeonia officinalis 3X  
Turkey tail 8X  
Turmeric 3X

## Uses:

Treatment of infective-based inflammatory pathologies (viral and bacterial) in the initial phase.

## Directions:

5 pellets 2 times a day. In acute phase: 3 pellets every 30 minutes for 2-3 hours.



## Package size:

Net Wt. 8 g/0.28 oz. 2 Tubes

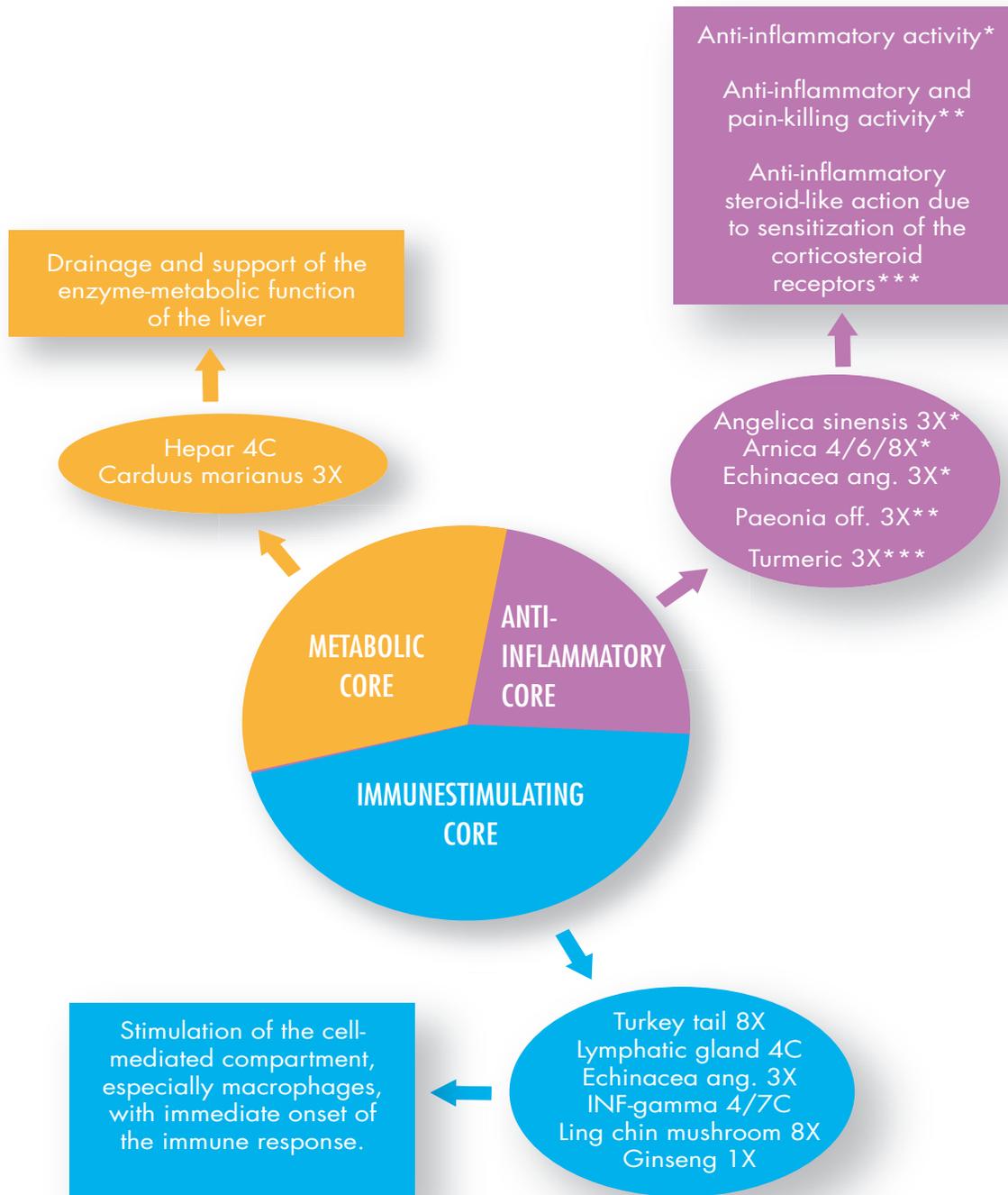
### Most common combinations

Guna-React + Citomix: immediate activation of immune defenses in patients suffering from acute infective diseases.

Guna-React + Guna-Flam: immediate activation of immune defenses in patients suffering from acute inflammatory diseases.

# GUNA®-REACT

The rational structure of **GUNA®-REACT** according to **Guna-Method**



# • GUNA® - RHINO NOSE SPRAY

NOSE SPRAY

## Ingredients:

Allium cepa 6X/8X/12X  
Apis mellifica 12X/30X/200X  
Aralia racemosa 1X  
Argentum nitricum 10X  
Ascorbic acid 2X  
Black currant, Bark 1X  
Cistus canadensis 4X  
Cuprum metallicum 4X  
Euphorbium officinarum 4X  
Histaminum hydrochloricum 30/200X  
Interferon gamma 4C  
Interleukin 10 4C  
Interleukin 12 4C  
Manganese gluconate 4X  
Melilotus officinalis 3X  
Plantago major 2X  
Rosa canina, Bark 1X  
Sambucus nigra 2X



## Uses:

Acute and chronic rhinopathy with vasomotor and allergic etiology; treatment of serous and seromucous rhinorrhea; breathing difficulties (especially at night).

## Directions:

2 sprays in each nostril 4-5 times a day. In acute phase 2 sprays in each nostril every 30 minutes for 2- 3 hours.

## Package size:

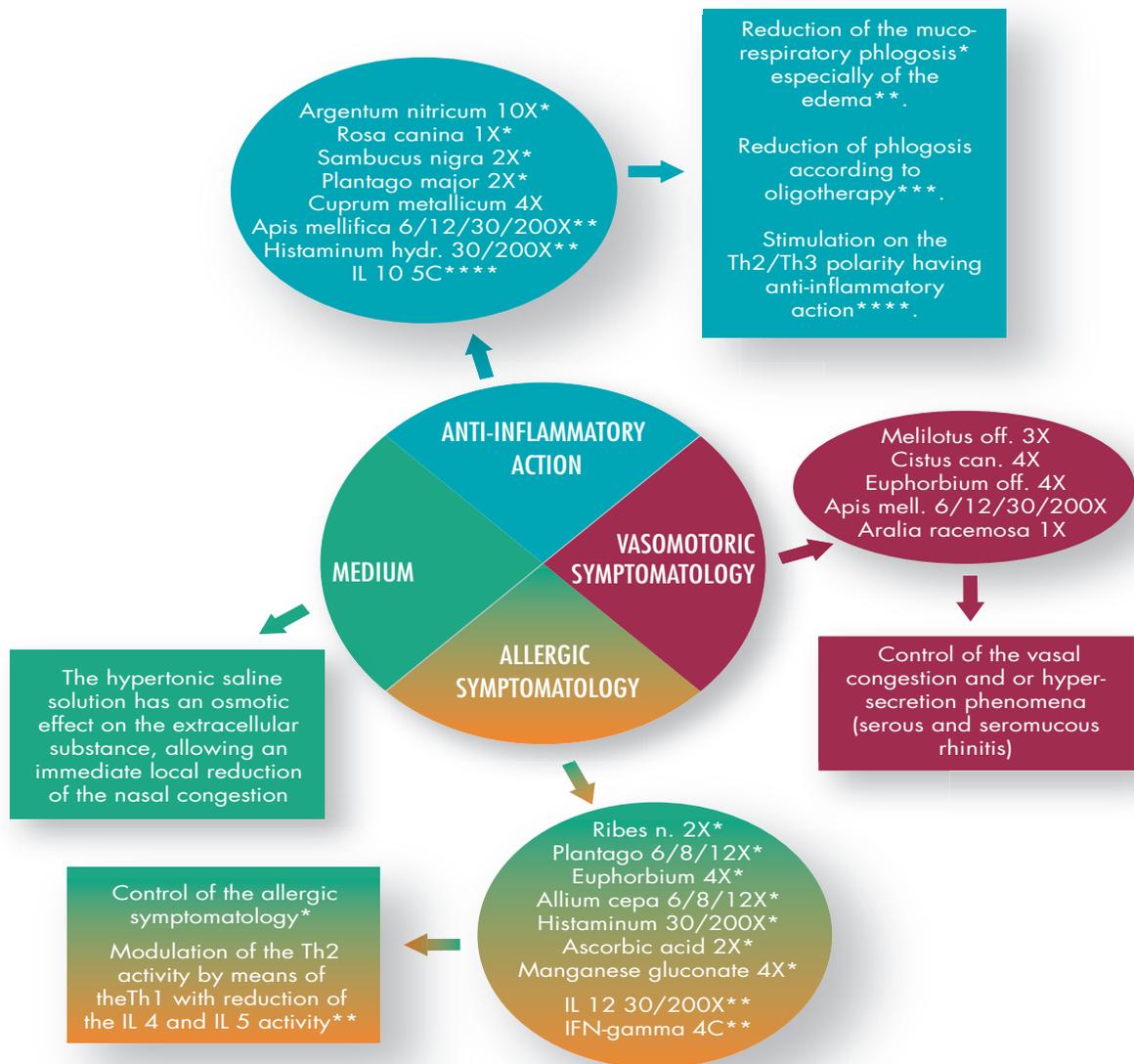
30 ml/1.0 fl. Oz. bot

### Most common combinations

- Guna-Rhino Nose Spray + Guna-Flam: acute rhinitis with fever.
- Guna-Rhino Nose Spray + Guna-Flu: rhinitis during influenza.
- Guna-Rhino Nose Spray + Guna-Virus: rhinitis of possible viral origin (rhinovirus).
- Guna-Rhino Nose Spray + Citomix: recurrent vasomotor rhinitis.
- Guna-Rhino Nose Spray + Guna-Sinus Nose Spray: rhinosinusitis.
- Guna-Rhino Nose Spray + Guna-Allergy-T: symptomatic treatment of allergic conjunctivitis.

# GUNA®- RHINO NOSE SPRAY

The rational structure of **GUNA®-RHINO NOSE SPRAY** according to Guna-Method



# • GUNA® - SINUS NOSE SPRAY

NOSE SPRAY

## Ingredients:

Allium cepa 6X/8X/12X  
Althaea officinalis 2X  
Argentum nitricum 10X  
Ascorbic acid 2X  
Black currant, Bark 1X  
Calcium sulfide 6X/ 8X/ 12X  
Common lungwort 2X  
Cuprum metallicum 3X  
Echinacea angustifolia 3X  
Hepar sulphuris calcareum 6X/8X/12X  
Hydrastis canadensis 6X/8X/12X  
Kali bichromicum 6X/8X/12X  
Lachesis mutus 12X/30X/200X  
Manganum metallicum 3X  
Mercurius sulphuratus ruber 6X/8X/12X  
Mucosa nasalis 6X/12X/30X  
Plantago major 2X  
Pulsatilla 6X/8X/12X  
Silicea 6X/8X/12X  
Sinusitisinum 12X/30X  
Thymus gland 6X/12X/30X  
Urinary bladder 10X/30X/200X



## Package size:

30 ml/1.0 fl. Oz. bot

## Uses:

Acute and chronic sinusitis (frontal, maxillary, ethmoidal); Catarrhal secretions liquefaction of paranasal cavities. Post nasal drip; Frontal headache.

## Directions:

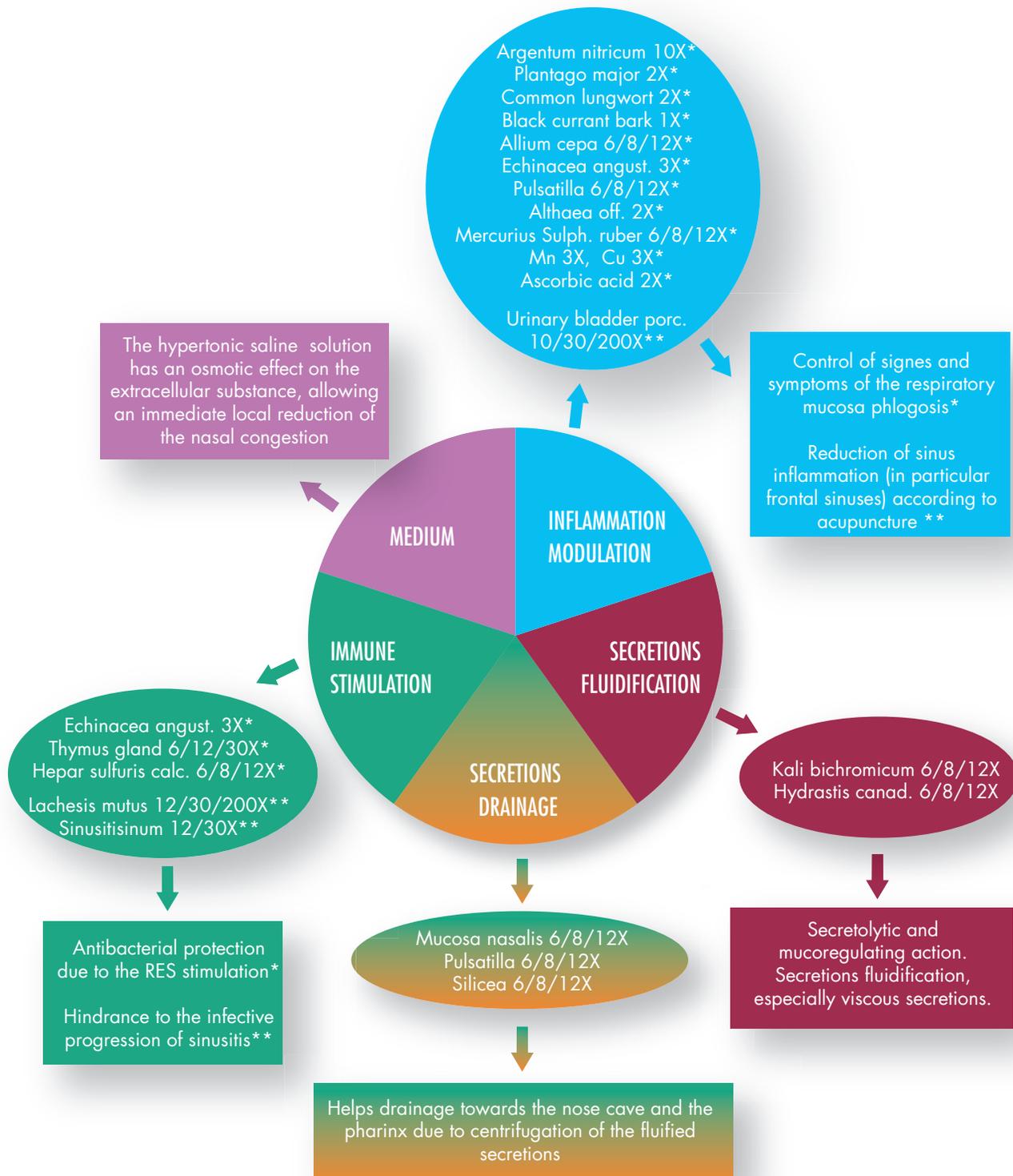
2 sprays in each nostril 4-5 times a day. In the acute phase 2 sprays in each nostril every 30 minutes for 2- 3 hours.

### Most common combinations

- Guna-Sinus Nose Spray + Guna-Flam: acute sinusitis with fever.
- Guna-Sinus Nose Spray+ Citomix: chronic sinusitis.
- Guna-Sinus Nose Spray + Eubioflor: sinusitis of possible dysbiotic origin.
- Guna-Sinus Nose Spray + Guna-Cough: dry cough due to post nasal drip.
- Guna-Sinus Nose Spray + Guna-Rhino Nose Spray: rhinosinusitis.

# GUNA® - SINUS NOSE SPRAY

The rational structure of **GUNA®-SINUS NOSE SPRAY** according to Guna-Method



# • GUNA<sup>®</sup> - SLEEP

DROPS

## Ingredients:

Avena sativa 6C  
Chamomilla 6C  
Helleborus niger 6C  
Ignatia amara 6C  
Interleukin 1beta 4C  
Melatonin 4C  
Melissa officinalis 6C  
Pineal gland 6X/12X/30X  
Pulsatilla 6C  
Serotonin 6C  
Valeriana officinalis 6C

## Uses:

Sleep trouble (difficulty in falling asleep, recurrent night awakening, early awakening); Poor quality sleep; Nervous hyperexcitement and anxiety.

## Directions:

20 drops twice a day for two months at least.



## Package size:

30 ml/1.0 fl. Oz. bottle

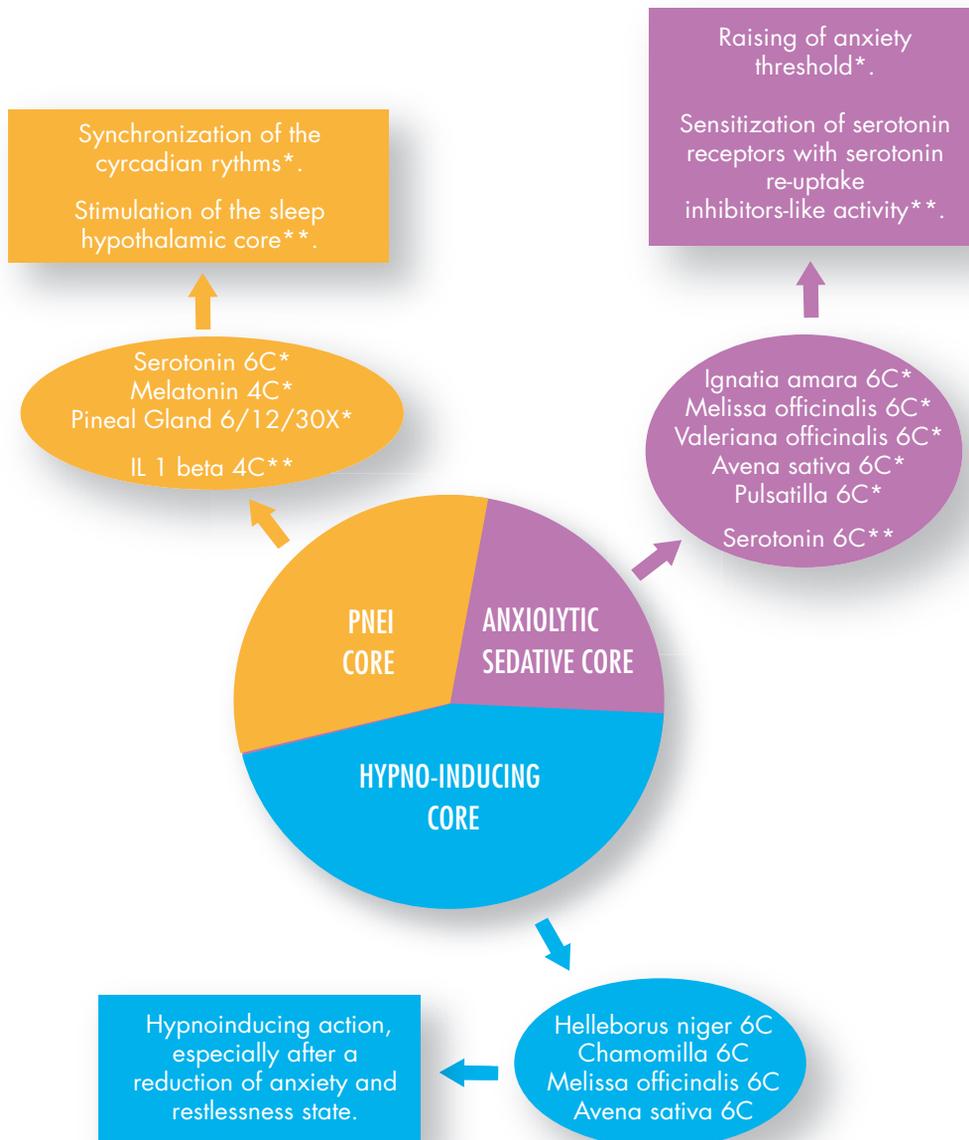
### Most common combinations

Guna-Sleep + Guna-Mood: anxious-depressive syndromes with insomnia.

Guna-Sleep + Guna-Cell: insomnia in asthenic patients.

Guna-Sleep + Anti Age Stress: mental and physical stress conditions characterized by hyperexcitement and insomnia.

The rational structure of **GUNA®-SLEEP** according to Guna-Method



# • GUNA<sup>®</sup> - SPASM

DROPS

## Ingredients:

Agaricus campestris 4X  
Anti interleukin 1 alpha 4C  
Atropine sulfate 6X  
Berberis vulgaris 3X  
beta-Endorphin 4C  
Chelidonium majus 4X  
Cobaltum metallicum 4X  
Colocynthis 4X  
Gelsemium 6X  
Interleukin 10 4C  
Magnesium metallicum 4X  
Melatonin 4C  
Sympathetic nerve 200X  
Vagal nerve 6X



## Uses:

Spasms of the smooth muscles (stomach, intestine, bladder, uterus, urinary tract, biliary tract, vessels) and of the striated muscles. Symptomatic treatment of biliary, renal, and gas colics of the baby.

## Directions:

Adults and children 6 years and over:

20 drops twice a day for two months at least

In acute cases:

10 drops every 15 minutes for 1 hour. Then, 10 drops every hour for 4 hours.

Children under 6 years:

1/2 adult dose. Take 15 minutes before meals.

## Package size:

30 ml/1.0 fl. Oz. bottle

### Most common combinations

Guna-Spasm+Guna-Flam: Symptomatic treatment of spastic pain

Guna-Spasm+Guna-Kidney: renal colics

Guna-Spasm+Guna-Liver: hepatobiliary colics

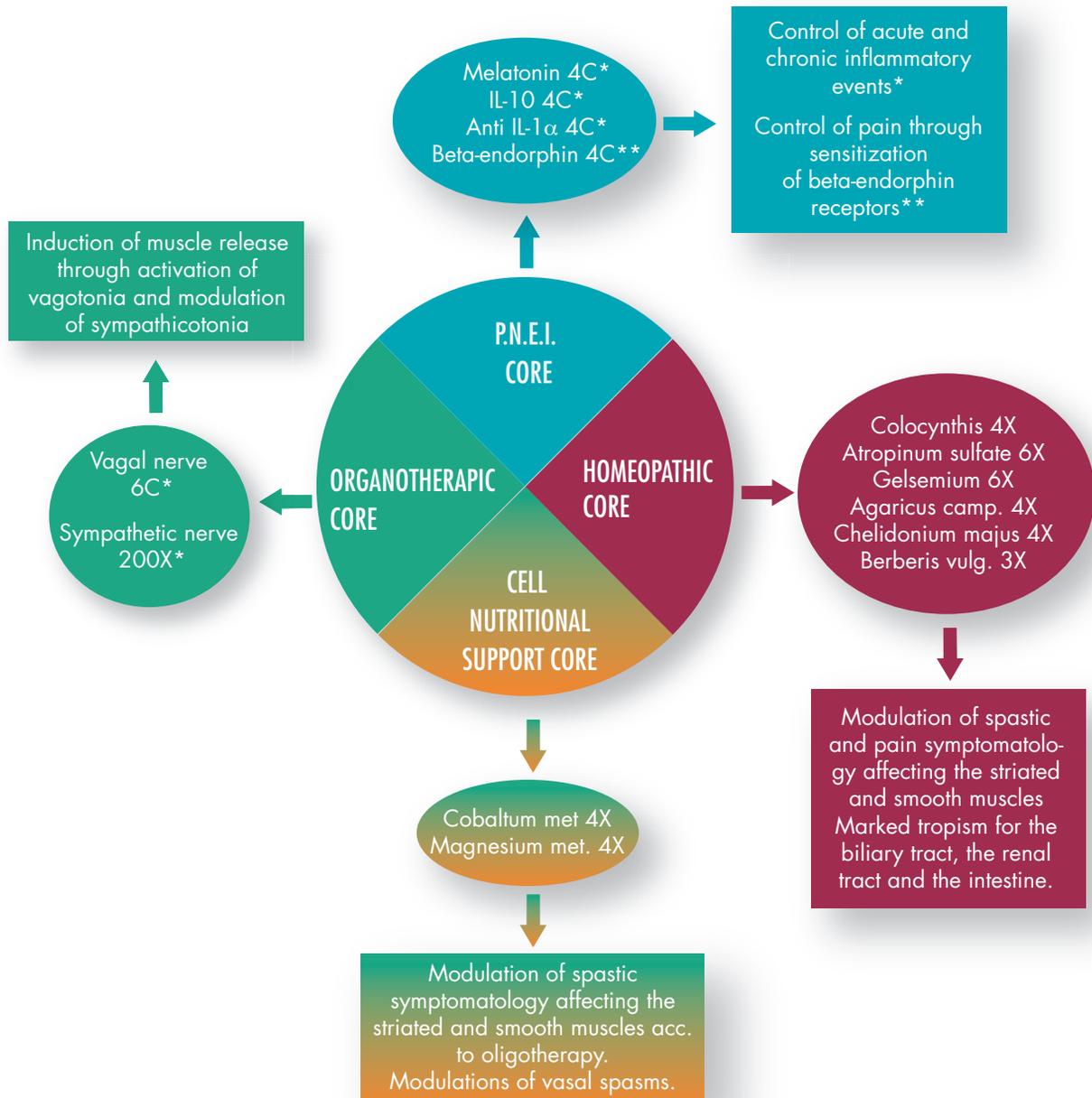
Guna-Spasm+Guna-Digest: intestinal colics

Guna-Spasm+Guna-PMS: dysmenorrhea

Guna-Spasm+Guna-Allergy-T: complementary treatment of bronchospasm of allergic origin

# GUNA® - SPASM

The rational structure of **GUNA®-SPASM** according to Guna-Method



# ·GUNA® - STOMACH

PELLETS

## Ingredients:

Abies nigra 3X  
Anacardium orientale 6X/12X/30X/200X  
Antimonium crudum 6X/12X/30X/200X  
Argentum nitricum 6X/12X/30X/200X  
Bismuthum subnitricum 6X  
Carbo vegetabilis 6X  
Dioscorea villosa 3X  
Dopamine 6X  
Epidermal growth factor 4C  
Ipecacuanha 8X/30X/200X  
Momordica balsamina 3X  
Origanum majorana 6X/10X/30X  
Robinia pseudoacacia 2X  
Stomach 6X/8X/12X/30X/200X  
Sympathetic nerve 3X/6X/12X

## Uses:

Acute and chronic gastritis, gastroduodenitis, gastralgia, epigastralgia, pyrosis and gastric acidity.

## Directions:

5 pellets 2 times a day. In acute phase: 3 pellets every 30 minutes for 2-3 hours.



## Package size:

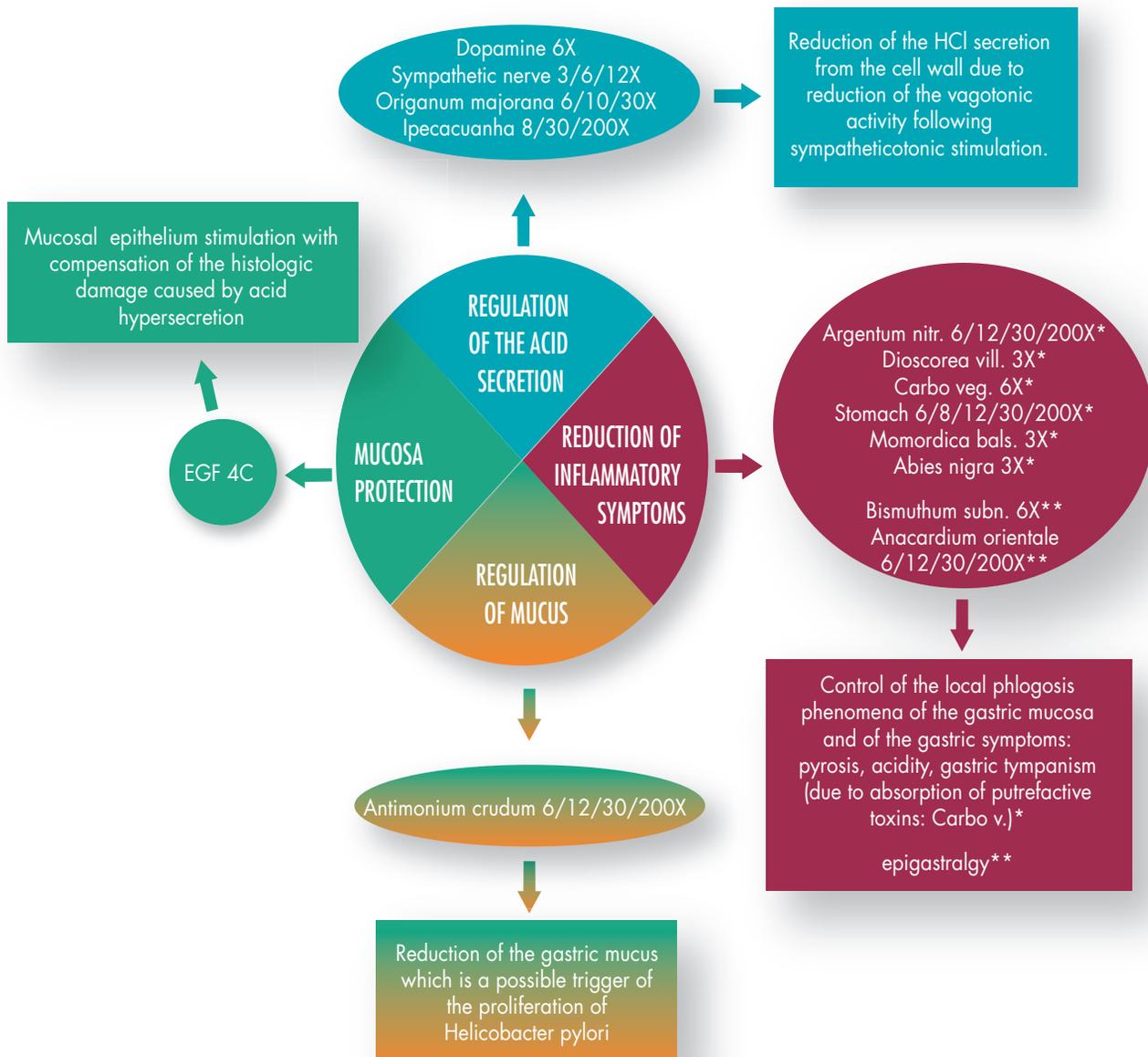
Net Wt. 8 g/0.28 oz. 2 Tubes

### Most common combinations

Guna-Stomach + Guna-Digest: gastritis accompanied by dyspeptic syndromes.  
Guna-Stomach + Eubioflor + Citomix: gastritis due to Helicobacter pylori.  
Guna-Stomach + Anti Age Stress: psychosomatic gastritis due to stress.

# GUNA®- STOMACH

The rational structure of **GUNA®-STOMACH** according to Guna-Method



# • GUNA® - TONSILS

PELLETS

## Ingredients:

Angelica sinensis, Radix 3X  
Blood 4C/7C  
Granulocyte colony stimulating factor 4C  
Interleukin 11 5C  
Interleukin 3 5C  
Interleukin 4 4C  
Japanese forest mushroom 8X  
Ling chin mushroom 8X  
Lymphatic gland 4C  
Melatonin 4C/7C  
Spleen 4C

## Uses:

Acute and chronic tonsillitis, adenotonsillar hypertrophy, adenomegaly.

## Directions:

5 pellets 2 times a day. In acute phase: 3 pellets every 30 minutes for 2-3 hours.



## Package size:

Net Wt. 8 g/0.28 oz. 2 Tubes

### Most common combinations

Guna-Tonsils + Guna-Flam: acute and chronic tonsillitis with fever.

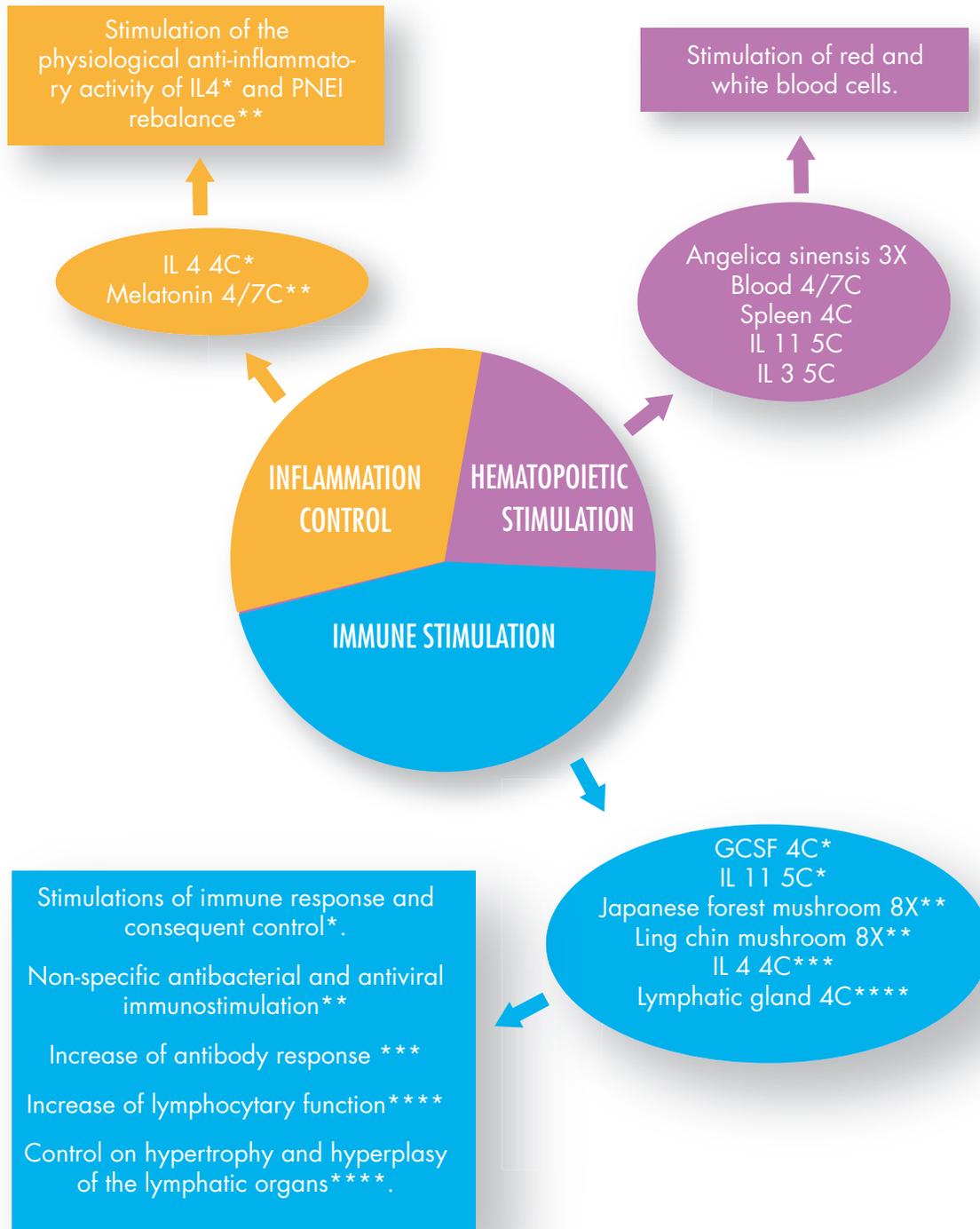
Guna-Tonsils + Guna-Matrix: treatment of chronic-recurrent tonsillitis in patients previously treated with antibiotics.

Guna-Tonsils + Guna-Lympho: acute and chronic lymphadenopathies.

Guna-Tonsils + Citomix: chronic-recurrent tonsillitis in immuno-deficient patients.

# GUNA®-TONSILS

The rational structure of **GUNA®-TONSILS** according to Guna-Method



# • GUNA® - VIRUS

PELLETS

## Ingredients:

Beta-Endorphin 4C  
Blood 4C  
Interferon gamma 3C  
Interleukin 2 5C  
Life everlasting 3X  
Ling chin mushroom 8X  
Lymphatic gland 4C/7C  
Melatonin 4C/15C  
Rice 3X  
Serotonin 6X  
Soybean 3X  
Spleen 4C  
Turkey tail 8X

## Uses:

Viral infections with acute and chronic inflammatory presentation (intestinal, respiratory, urologic, dermatologic and gynecologic infections). Strengthening of the antiviral immune defenses in cases of immune deficiency.

## Directions:

5 pellets 2 times a day. In acute phase: 3 pellets every 30 minutes for 2-3 hours.



## Package size:

Net Wt. 8 g/0.28 oz. 2 Tubes

### Most common combinations

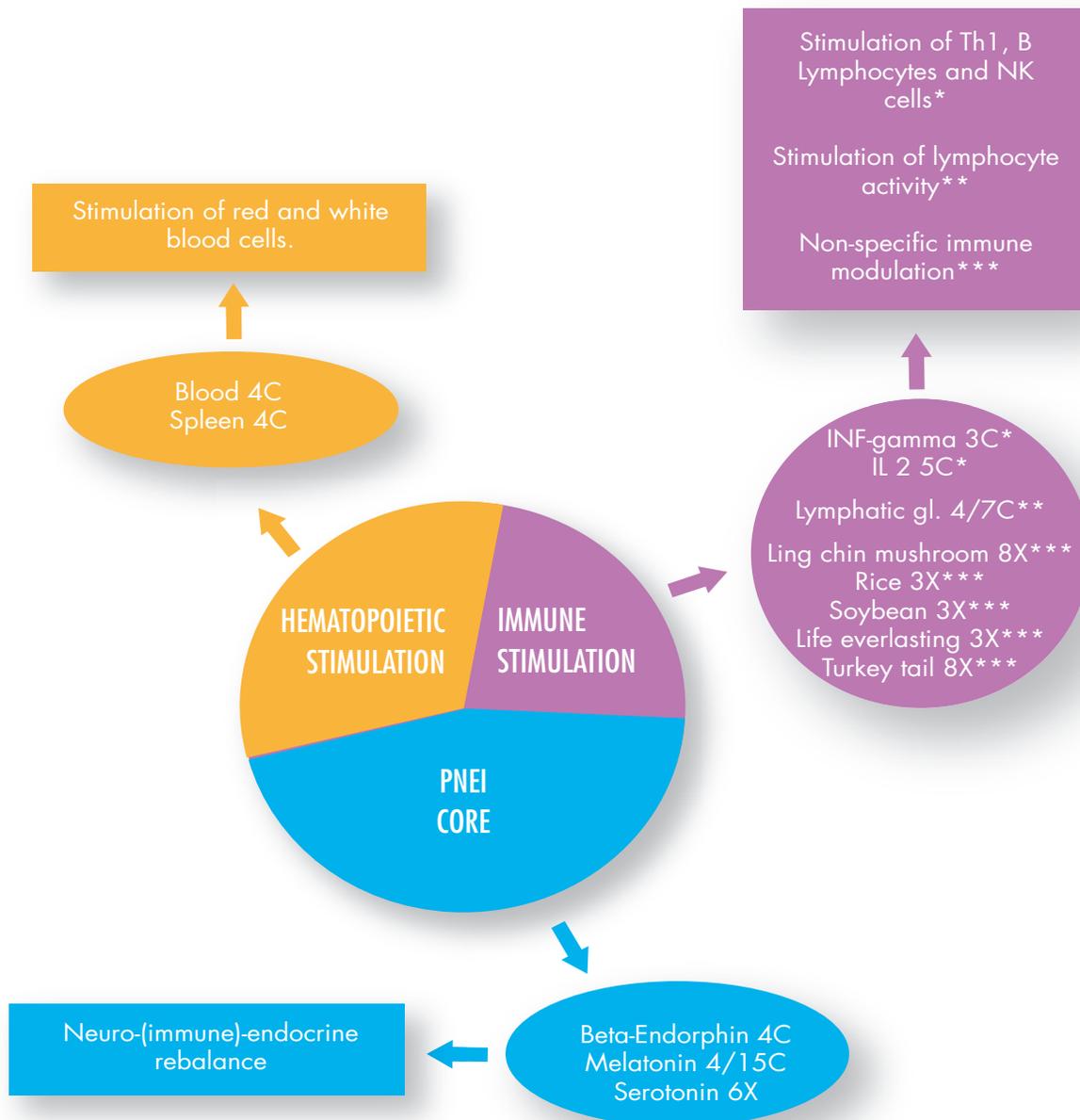
Guna-Virus + Guna-Flu: flu prevention in patients with past recurrent viral infections of the upper, middle and lower respiratory tract.

Guna-Virus + Guna-Flam: inflammatory diseases of viral origin.

Guna-Virus + Citomix: strengthening of non-specific antiviral immune defenses.

# GUNA®- VIRUS

The rational structure of **GUNA®- VIRUS** according to Guna-Method



## Ingredients:

Aspergillus niger 12X/30X/200X  
Candida albicans 12X/30X/200X  
DL-malic acid 6X/12X/30X  
Hydrocotyle asiatica 6X  
Mercurius corrosivus 6X  
Mucor mucedo 12X/30X/200X  
Natrum oxalaceticum 6X/12X/30X  
Pink trumpet tree 4X  
Sulfur 6X

## Uses:

Treatment of mucocutaneous mycosis. co-adjuvant treatment of diseases secondary to mycosis.

NOTE: Micox is recommended in association with Eubioflor.

For better results yeasts, refined sugar, pork and other foods that may cause intolerance should be avoided.

## Directions:

10 drops 3 times a day for the first two months.  
Maintenance: 10 drops a day also over extended periods of time.



## Package size:

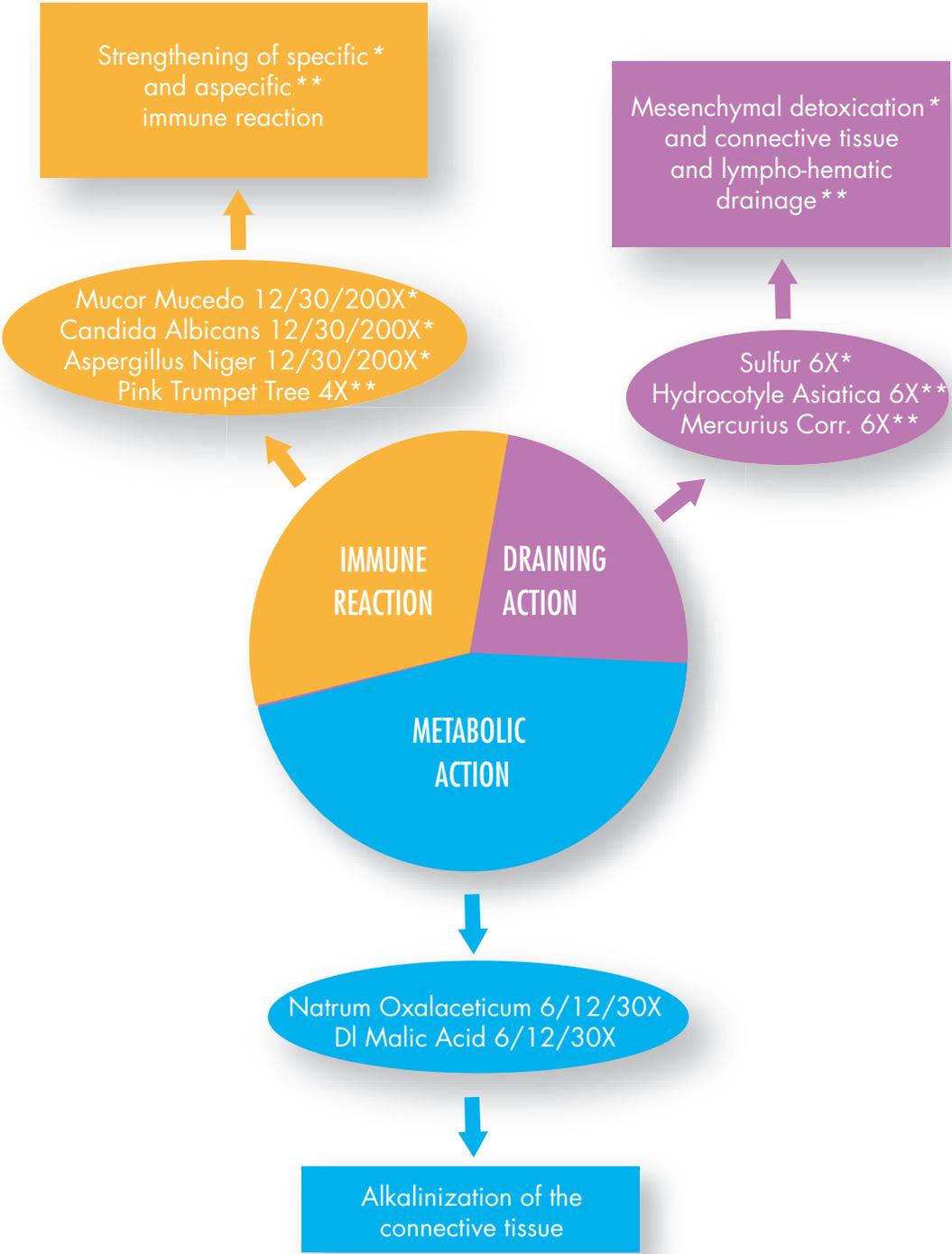
30 ml/1.0 fl. Oz. bottle

### Most common combinations

Micox + Citomix : chronic, recurrent and persistent mucocutaneous mycosis.

Micox + Eubioflor: mycosis of possible dysbiotic origin.

The rational structure of MICOX according to Guna-Method



# • OMEOSPORT

PELLETS

## Ingredients:

alpha-Ketoglutaricum acidum 6X  
alpha-Lipoicum acidum 6X  
Adenosintriphosphate 8X  
Ascorbic acid 4X  
Barium oxalsuccinate 6X  
Beta vulgaris 2X  
Cerium oxalicum 6X  
Cis-Aconitic acid 6X  
Coenzyme a 6X  
Cysteinum 6X  
Embryo extract 6X  
Fumaricum acidum 6X  
Ginseng 3X  
Glandula suprarenalis 10X  
Lacticum acidum 8X  
Magnesium carbonate 2X  
Malic acid 6X  
Manganum phosphoricum 6X  
Muscle tissue 6X  
Natrum oxalaceticum 6X  
Natrum pyruvicum 6X  
Pyridoxinum hydrochloricum 6X  
Riboflavinum 6X  
Succinicum acidum 6X  
Thiaminum hydrochloricum 4X

## Uses:

Metabolic stimulation of muscle fiber cell; ATP synthesis improvement; Anaerobic threshold elevation; Reduction of lactic acidosis; and muscle fatigue control.



## Directions:

3 pellets 2-3 times a day. During sport training: 3 pellets 30 minutes before training.

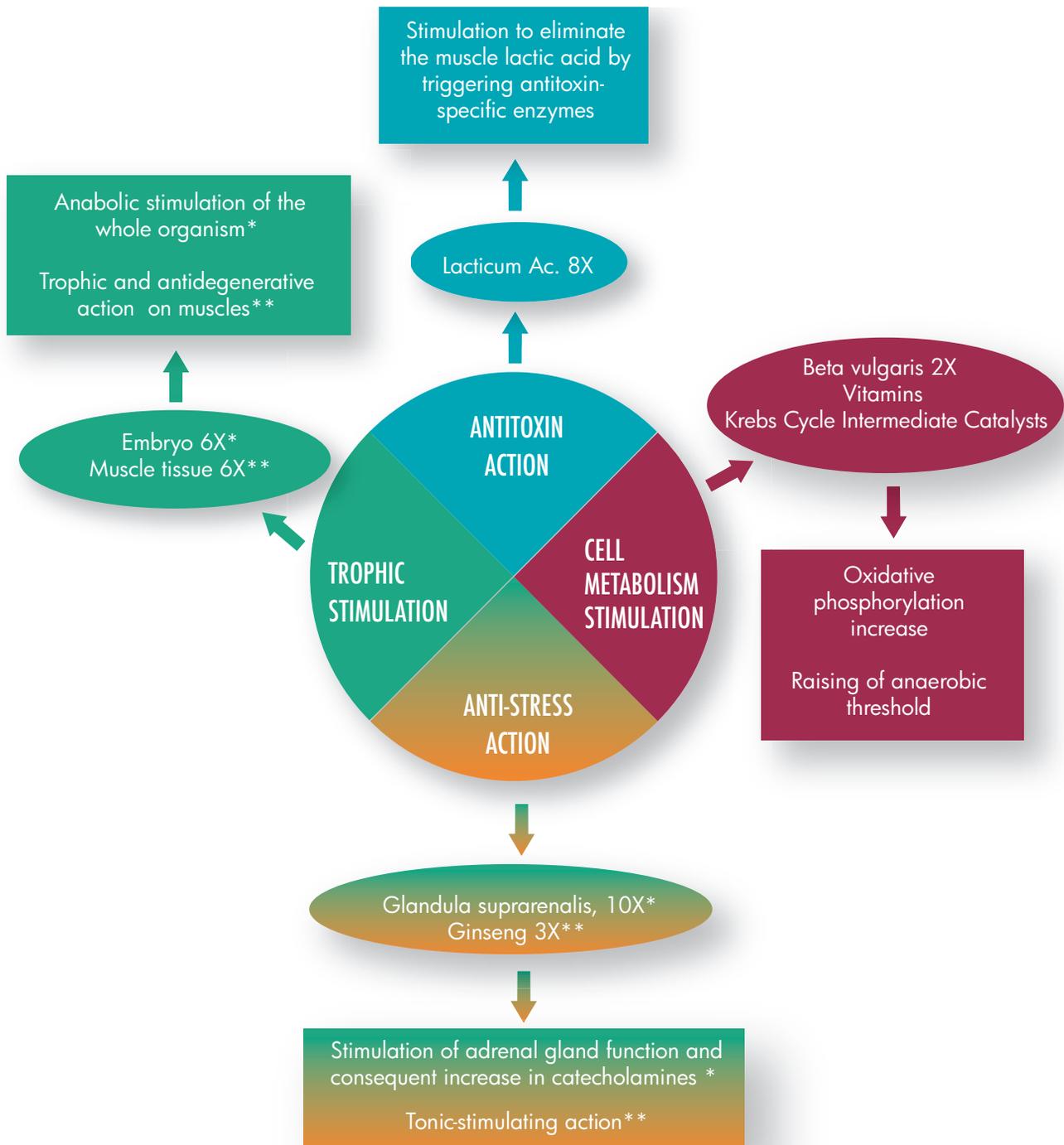
## Package size:

Net Wt. 8 g/0.28 oz. 2 Tubes

### Most common combinations

Omeosport + Guna-Matrix + Guna-Liver: liver drainage in patients suffering from serious lactic acidosis.  
Omeosport + Guna-Cell: strengthening of the cell energy metabolism.

The rational structure of **OMEOSPORT™** according to **Guna-Method**



# • OSTEOBIOS™

DROPS

## Ingredients:

Bone 10X/30X/200X  
Calcarea fluorica 12X/30X/200X  
Calcarea carbonica 12X/30X/200X  
Calcarea phosphorica 12X/30X/200X  
Calcitonin 6X  
L-isoleucine 3X  
L-leucine 3X  
L-lysine 3X  
L-methionine 3X  
L-phenylalanine 3X  
L-threonine 3X  
L-tryptophan 3X  
L-valine 3X  
Parathyroid gland 10X/30X/200X

## Uses:

Adjuvant treatment of osteoporosis

## Directions:

20 drops twice a day for two months at least



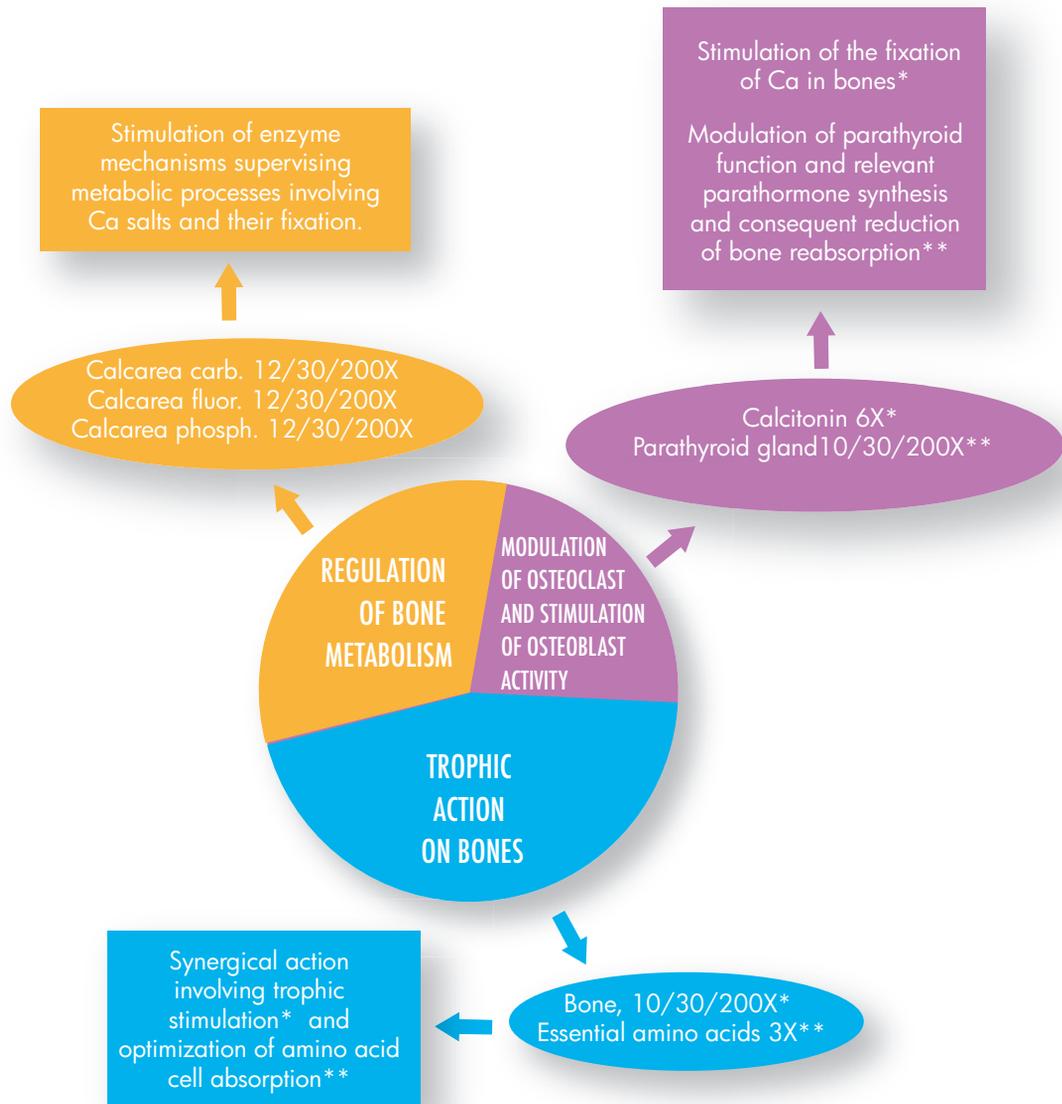
## Package size:

30 ml/1.0 fl. Oz. bottle

### Most common combinations

Osteobios + Guna-Fem: basic treatment of perimenopausal osteoporosis.  
Osteobios + Guna-Cell + Guna-Matrix: remodeling of bone matrix.  
Osteobios + Guna-Arthro: osteoporosis and osteochondrosis.

The rational structure of **OSTEOBIOS™** according to Guna-Method





# **LOW-DOSE**

CYTOKINES, GROWTH FACTORS,  
HORMONES AND NEUROPEPTIDES

## Low Dose

# CYTOKINES

The term **Cytokines** refers to a wide range of protein components produced by cells in response to a large variety of inducing stimuli.

The concept may be considered valid that the action of Cytokines is targeted to specific receptors on the target cells, in order to activate a series of functional changes in which they play a key role as follows:

1. Agents capable of promoting growth, proliferation, cell differentiation (**Growth Factors**).
2. Agents capable of establishing a communication network in the Immune System (**Lymphokines-Interleukins**).
3. Agents involved in inflammation (**Chemokines-Lymphokines**).

Cytokines clearly show to play a key role in the coordination of the immune and inflammatory responses.

Therefore, from a **biological viewpoint**, cytokines are the "weavers" of a complex network of interactions which is called **Immune Network**.

So, this is a network of complex interactions, regulated only by low dose mechanisms of stimulation (homeopathic-like dosages:  $10^{-6}$  -  $10^{-10}$  M), which is nevertheless sufficient to sensitize or occupy some units of cell or plasma receptors. This threshold allows to trigger chain reactions that regulate the immunological network through a potentiating effect (Complex Systems).

Physiological low doses of Cytokines, activated with SKA method (*Sequential Kinetic Activation*) are packed in 30 ml bottles, in water-alcohol solution. The concentration in the medicament is picograms/ml, corresponding to the 4CH homeopathic dilution.

### Clinical information

A specific and standard protocol cannot exist concerning the use of cytokines for each single disease.

Their prescription must be based on the study of the physiopathology of the different immunological mediators as well as on the patient's disease.

They exert a stimulating action on the physiological function of their homologous cytokine.

It is recommended to combining the use of low dose immunological intermediates with a homotoxicological drainage treatment of the liver.

### Therapeutic protocols

The duration of treatment depends on individual clinical cases and on the severity of disease.

Usually, for chronic diseases, treatment cycles last two months at least and be repeated, preferably after a 15-day discontinuation.

For acute diseases, a treatment cycle lasts until remission of symptoms. Sometimes an attack treatment can be chosen with 10 drops every 20 minutes for 2 hours at most.

### Dosage

15-20 drops 2 times daily (standard dosage).

### Packaging

30 ml bottle with dropper. For oral use.

### Therapeutic strategy

Cytokines may be prescribed in two different ways:

#### According to an etiological decision making:

- If the pathological condition is the result of a down-regulation (deficit) of a certain cytokine, the same cytokine will be used;
- if the pathological condition is the result of an up-regulation (surplus) of a certain cytokine, the so-called "counterregulatory cytokine" will be used.

#### According to a symptomatic decision making process:

- a certain cytokine is prescribed according to the patient's symptoms.

## PRESCRIPTION ACCORDING TO AN ETIOLOGICAL DECISION MAKING.

CYTOKINE	FOR STRENGTHENING same cytokine	FOR MODULATION counterregulatory cytokine
GCSF	GUNA-GCSF	GUNA-IL / 10 GUNA-IL 4
	GUNA-INF ALFA/GAMMA	GUNA-IL 4
IL1	GUNA-IL 1	
IL2	GUNA-IL 2	GUNA-IL 11
IL3	GUNA-IL 3	GUNA-IL 10
IL4	GUNA-IL 4	GUNA-INF GAMMA GUNA-IL 12
IL5	GUNA-IL 5	GUNA-TGF BETA 1
IL6	GUNA-IL 6	ACUTE INFLAMMATION: GUNA-IL 4 GUNA INF-GAMMA CHRONIC INFLAMMATION: GUNA-IL 10
IL7	GUNA-IL 7	GUNA-IL 10 GUNA-TGF-BETA 1
IL8	GUNA-IL 8	GUNA-IL 10 GUNA-TGF-BETA 1
IL9	GUNA-IL 9	GUNA-IL 10
IL10	GUNA-IL 10	GUNA-IL 1 GUNA-IL 6 GUNA-TNF
IL11	GUNA-IL 11	GUNA-IL 2
IL12	GUNA-IL 12	GUNA-IL 4 GUNA-IL 10
TGF BETA 1	GUNA-TGF BETA 1	GUNA-IL 12
TNF	GUNA-TNF	

## •GUNA®- ANTI IL 1

(IL1)

INGREDIENTS: Anti-interleukin 1 alpha 4CH; Anti-interleukin 1 beta 4CH.

DILUTION: 4CH

BIOLOGICAL FUNCTIONS: Regulates the immune response in inflammatory conditions.

USES:

- acute pain and fever relief
- inflammation

DIRECTIONS: 15-20 drops two times a day (standard dosage).

PACKAGE SIZE: 30 ml/1.0 fl. Oz. bottle with dropper. For oral use.



## •GUNA®-INTERFERON ALFA

(INF alfa, leukocyte)

DILUTION: 4CH

BIOLOGICAL FUNCTIONS: Antiviral activity.

USES:

- recurrent viral infection
- joint pain
- asthenia
- sudden pain with numbness
- painful muscle spasm

DIRECTIONS: 15-20 drops two times a day (standard dosage).

PACKAGE SIZE: 30 ml/1.0 fl. Oz. bottle with dropper. For oral use.



## •GUNA®-INTERFERON GAMMA

(INF gamma, lymphocyte)

DILUTION: 4CH

BIOLOGICAL FUNCTIONS: Antiviral activity. NK cell activation. Macrophage activation. Anti-proliferative effects. Enhancing the activity of T lymphocytes.

USES: Rapid activation of the immune system(activation of the antigen presentation). Stimulation of antiviral defenses. Treatment of autoimmune diseases with risk of viral super-infection. Treatment of hepatitis C and B.

- chronic viral infection
- allergic syndrome
- complementary cancer therapy
- asthenia
- painful muscle spasm

DIRECTIONS: 15-20 drops two times a day (standard dosage).

PACKAGE SIZE: 30 ml/1.0 fl. Oz. bottle with dropper. For oral use.



## • GUNA®-INTERLEUKIN 1 BETA

(IL 1 beta)

DILUTION: 4CH

BIOLOGICAL FUNCTIONS: Fever induction, as alert against attack (endogenous pyrogen).

USES: Acute immune attack. During the first hours of fever on a viral basis.

- asthenia
- sleep disorders
- eating disorders (excessive hunger)

It must be used intermittently, for a time necessary to induce fever.

DIRECTIONS: 15-20 drops two times a day (standard dosage).

PACKAGE SIZE: 30 ml/1.0 fl. Oz. bottle with dropper. For oral use.



## • GUNA®-INTERLEUKIN 2

(IL 2)

DILUTION: 4CH

BIOLOGICAL FUNCTIONS: T lymphocyte differentiation. B lymphocyte and NK cell stimulation.

USES: Regulation of cell-mediated immune response.

- immune deficiency
- general malaise
- sub-acute painful syndromes
- localized inflammation
- aging
- complementary cancer therapy
- prostration, adynamia
- burning mouth
- susceptibility to viral infections

DIRECTIONS: 15-20 drops two times a day (standard dosage).

PACKAGE SIZE: 30 ml/1.0 fl. Oz. bottle with dropper. For oral use.



## • GUNA®-INTERLEUKIN 3

(IL 3)

DILUTION: 4CH

BIOLOGICAL FUNCTIONS: Stimulation of mast cell growth. Stimulation of hematopoiesis.

USES: Treatment of hematopoiesis disorders.

Treatment of the side effects due to chemotherapy, radiotherapy and of treatment with allopathic antiviral drugs.

- hemopoiesis disorders
- side effects due to chemotherapy, radiotherapy and antiviral treatments
- early aging
- memory impairment
- digestive disorders
- dizziness with vomiting
- skin rashes
- migrating pain

DIRECTIONS: 15-20 drops two times a day (standard dosage).

PACKAGE SIZE: 30 ml/1.0 fl. Oz. bottle with dropper. For oral use.



## • GUNA®-INTERLEUKIN 4

(IL 4)

DILUTION: 4CH

**BIOLOGICAL FUNCTIONS:** B lymphocyte proliferation. IgG and IgE synthesis. Inhibition of pro-inflammatory cytokines.

**USES:** Modulation of inflammation.

It improves the individual response to vaccine therapy.

- basic treatment of autoimmune diseases
- chronic inflammatory diseases
- cramps and spasm
- mental exhaustion

**DIRECTIONS:** 15-20 drops two times a day (standard dosage).

**PACKAGE SIZE:** 30 ml/1.0 fl. Oz. bottle with dropper. For oral use.



## • GUNA®-INTERLEUKIN 5

(IL 5)

DILUTION: 4CH

**BIOLOGICAL FUNCTIONS:** Eosinophil and basophil differentiation, growth and maturation.

**USES:**

- intestinal parasites
- pain caused by contusion
- constipation and tympanites
- abdominal pain (cramps)
- RRI with IgA deficit

**DIRECTIONS:** 15-20 drops two times a day (standard dosage).

**PACKAGE SIZE:** 30 ml/1.0 fl. Oz. bottle with dropper. For oral use.



## • GUNA®-INTERLEUKIN 6

(IL 6)

DILUTION: 4CH

**BIOLOGICAL FUNCTIONS:** B lymphocyte growth and differentiation. Co-stimulation of T lymphocyte. Hepatic stimulation. Endocrine factor of the cytokine Network.

**USES:** Complications in the clinical evolution of a patient affected by autoimmune disease. Stimulation of general immunity in cancer patients.

- general malaise
- complementary cancer therapy
- eating disorders (excessive hunger)

**DIRECTIONS:** 15-20 drops two times a day (standard dosage).

**PACKAGE SIZE:** 30 ml/1.0 fl. Oz. bottle with dropper. For oral use.



## • GUNA®-INTERLEUKIN 7

(IL 7)

DILUTION: 4CH

BIOLOGICAL FUNCTIONS: Thymocyte and T lymphocyte proliferation.

USES:

- recurrent infections
- asthenia
- disorders of childhood growth and development
- throbbing pain
- exhaustion and fatigue

DIRECTIONS: 15-20 drops two times a day (standard dosage).

PACKAGE SIZE: 30 ml/1.0 fl. Oz. bottle with dropper. For oral use.



## • GUNA®-INTERLEUKIN 8

(IL 8)

DILUTION: 4CH

BIOLOGICAL FUNCTIONS: Phagocyte, T lymphocyte and platelet chemotaxis.

USES:

- chemotaxis activation
- wet cough
- phlegm
- acute and chronic stress

DIRECTIONS: 15-20 drops two times a day (standard dosage).

PACKAGE SIZE: 30 ml/1.0 fl. Oz. bottle with dropper. For oral use.



## • GUNA®-INTERLEUKIN 9

(IL 9)

DILUTION: 4CH

BIOLOGICAL FUNCTIONS: Lymphocyte stimulation. Synergism with Erythropoietin in the development of erythroid proliferation.

USES: Induction of specific immune response.

- asthenia and drowsiness
- nerve pain
- chronic phlegm
- water retention

DIRECTIONS: 15-20 drops two times a day (standard dosage).

PACKAGE SIZE: 30 ml/1.0 fl. Oz. bottle with dropper. For oral use.



## Low dose cytokines

### •GUNA®-INTERLEUKIN 10

(IL 10)

DILUTION: 4CH

**BIOLOGICAL FUNCTIONS:** Immunosuppressive and inhibiting action on the cytokine Network. Modulation of physiological reactivity.

**USES:** Modulation of the immune tolerance mechanisms. Modulation of inflammation.

- chronic inflammatory diseases
- itch and sting
- mucosal inflammation
- chronic pain syndromes
- vomiting-loss of appetite

**DIRECTIONS:** 15-20 drops two times a day (standard dosage).

**PACKAGE SIZE:** 30 ml/1.0 fl. Oz. bottle with dropper. For oral use.



### •GUNA®-INTERLEUKIN 11

(IL 11)

DILUTION: 4CH

**BIOLOGICAL FUNCTIONS:** Regulation of the growth and the differentiation of hematopoietic cells. Control of the proliferation of other interleukins.

**USES:** Induction of specific immune response.

- heartburn
- memory disorders
- hematopoiesis disorders
- psoriasis
- abdominal bloating
- general regulation in patients under immunotherapy
- disorders of childhood growth and development
- throbbing pain
- exhaustion and fatigue

**DIRECTIONS:** 15-20 drops two times a day (standard dosage).

**PACKAGE SIZE:** 30 ml/1.0 fl. Oz. bottle with dropper. For oral use.



### •GUNA®-INTERLEUKIN 12

(IL 12)

DILUTION: 4CH

**BIOLOGICAL FUNCTIONS:** NK cell and T lymphocyte stimulation.

**USES:** Regulation of cell-mediated immune response. Complementary treatment of allergy.

- allergy
- food intolerance
- complementary cancer therapy
- recurrent night-time cough
- nasal congestion and nasal itching
- paroxysmal sneezing
- watery eyes due to allergy
- skin swelling and skin inflammation

**DIRECTIONS:** 15-20 drops two times a day (standard dosage).

**PACKAGE SIZE:** 30 ml/1.0 fl. Oz. bottle with dropper. For oral use.



## Low Dose

### **GROWTH FACTORS**

The physiological low doses of Growth Factors activated through the SKA method (Sequential Kinetic Activation) are packed in 30 ml bottles in a water-alcohol solution. The concentration is in picograms/ml, equivalent to the 4CH homeopathic dilution.

#### **Therapeutic protocols**

The duration of treatment depends on the individual clinical cases and on the severity of disease. Generally, for chronic diseases, a single treatment cycle lasts 2 months at least. The same treatment can be repeated preferably after a 15-day discontinuation.

For acute diseases, each single treatment should be continued until the remission of symptoms. Sometimes, an attack treatment can be chosen with 10 drops every 20 minutes for 2 hours at most.

#### **Dosage**

15-20 drops 2 times daily (standard dosage).

#### **Packaging**

30 ml bottle with dropper. For oral use.

#### **Therapeutic strategy**

The Growth Factors can be prescribed in two ways:

##### **According to an etiological decision making:**

- if the pathological condition is the result of a down-regulation (deficit) of a certain growth factor, the same growth factor will be used.
- if the pathological condition is the result of an up-regulation (surplus) of a certain cytokine, the so-called "counterregulatory cytokine" will be used.

##### **According to a symptomatic decision making process**

- a certain growth factor is prescribed on the basis of the patient's symptoms.

## • GUNA<sup>®</sup> - BDNF

### BRAIN-DERIVED NEUROTROPHIC FACTOR

DILUTION: 4CH

**BIOLOGICAL FUNCTIONS:** Neurotrophin with action on the neurons damaged during growth or due to injury.

**USES:**

- neurological damage (during growth or secondary to trauma)
- psychological trauma outcomes
- mental fatigue
- stress
- autism
- brain aging
- tingling and numbness in the extremities
- stiff muscles

**DIRECTIONS:** 15-20 drops two times a day.

**PACKAGE SIZE:** 30 ml/1.0 fl. Oz. bottle with dropper. For oral use.



## • GUNA<sup>®</sup> - CNTF

### CILIARY NEUROTROPHIC FACTOR

DILUTION: 4CH

**BIOLOGICAL FUNCTIONS:** Growth factor with action on the neurons damaged during growth or due to injury.

**USES:**

- neurological damage (during growth or secondary to trauma)
- visual disturbances
- brain aging
- appetite control

**DIRECTIONS:** 15-20 drops two times a day.

**PACKAGE SIZE:** 30 ml/1.0 fl. Oz. bottle with dropper. For oral use.



## • GUNA<sup>®</sup> - EGF

### EPIDERMAL GROWTH FACTOR

DILUTION: 4CH

**BIOLOGICAL FUNCTIONS:** Neurotrophin with action on the damaged neurons during growth or due to injury.

**USES:**

- skin rashes
- skin aging
- itching
- cracked skin
- heartburn and gastritis
- epigastric discomfort and pain
- blurred vision and scintillating scotoma
- hypersensitivity to pain

**DIRECTIONS:** 15-20 drops two times a day.

**PACKAGE SIZE:** 30 ml/1.0 fl. Oz. bottle with dropper. For oral use.



## • GUNA<sup>®</sup> - FGF

FIBROBLAST GROWTH FACTOR

DILUTION: 4CH

BIOLOGICAL FUNCTIONS: Mitogen for fibroblasts and other cells of ectodermal, endodermal and mesodermal origin.

USES:

- aging
- impaired wound healing
- painful and degenerative symptoms in the joints with limited joint movement
- skin aging

DIRECTIONS: 15-20 drops two times a day.

PACKAGE SIZE: 30 ml/1.0 fl. Oz. bottle with dropper. For oral use.



## • GUNA<sup>®</sup> - G1

GD3 GANGLIOSIDE

DILUTION: 4CH

BIOLOGICAL FUNCTIONS: Activation of nerve growth factors for the release of NT3, NT4, BDNF, and CNTF for Myelin repair.

USES:

- mental fatigue
- muscle weakness
- myelin sheath damage

DIRECTIONS: 15-20 drops two times a day.

PACKAGE SIZE: 30 ml/1.0 fl. Oz. bottle with dropper. For oral use.



## • GUNA<sup>®</sup> - GCSF

GRANULOCYTE-COLONY STIMULATING FACTOR

DILUTION: 4CH

BIOLOGICAL FUNCTIONS: Induction of physiological reactivity to compensate for Immune System deficiencies.

USES: It increases the sensitivity of the Immune System. Useful in the early stages of any treatment of chronic diseases.

- susceptibility to infectious diseases
- triggering of the immune response in chronic diseases

DIRECTIONS: 15-20 drops two times a day.

PACKAGE SIZE: 30 ml/1.0 fl. Oz. bottle with dropper. For oral use.



## • GUNA<sup>®</sup> - IGF 1

INSULIN-LIKE GROWTH FACTOR

DILUTION: 4CH

BIOLOGICAL FUNCTIONS: Growth and preservation of nerve tissue. Regulation of bone and fetal growth.

USES:

- growth disorders
- aging
- memory disorders (stimulates the hippocampal function)

DIRECTIONS: 15-20 drops two times a day.

PACKAGE SIZE: 30 ml/1.0 fl. Oz. bottle with dropper. For oral use.



## • GUNA® - NGF

NERVOUS GROWTH FACTOR

DILUTION: 4CH

**BIOLOGICAL FUNCTIONS:** Activation of inflammatory cells. Nervous system growth.

**USES:** Severe depression. Multiple sclerosis (in combination with Medulla Spinalis Suis Injeel forte). Diseases of the Central Nervous System.

- nerve pain
- memory disorders
- mood disorders
- skin thinning and skin ulcers
- loss of strength in the limbs, fatigability
- sadness and loss of interest

**DIRECTIONS:** 15-20 drops two times a day.

**PACKAGE SIZE:** 30 ml/1.0 fl. Oz. bottle with dropper. For oral use.



## • GUNA® - NT3

NEUROTROPHIN 3

DILUTION: 4CH

**BIOLOGICAL FUNCTIONS:** Neurotrophin with action on the neurons damaged during growth or due to injury.

**USES:**

- muscle weakness
- mood disorders
- diseases of the Central Nervous System or of the Peripheral Nervous System
- neurological damage (during growth or due to trauma)

**DIRECTIONS:** 15-20 drops two times a day.

**PACKAGE SIZE:** 30 ml/1.0 fl. Oz. bottle with dropper. For oral use.



## • GUNA® - NT4

NEUROTROPHIN 4

DILUTION: 4CH

**BIOLOGICAL FUNCTIONS:** Neurotrophin with action on the neurons damaged during growth or due to injury.

**USES:** Action on peripheral sensory neurons.

- muscle weakness
- mood disorders
- diseases of the central nervous system or the peripheral nervous system
- neurological damage (during growth or due to trauma)
- painful syndromes

**DIRECTIONS:** 15-20 drops two times a day.

**PACKAGE SIZE:** 30 ml/1.0 fl. Oz. bottle with dropper. For oral use.



## •GUNA®- PDGF

PLATELET DERIVED GROWTH FACTOR

DILUTION: 4CH

BIOLOGICAL FUNCTIONS: Mitogenic activity.

USES:

- aging
- wrinkles
- mitogenic activity

DIRECTIONS: 15-20 drops two times a day.

PACKAGE SIZE: 30 ml/1.0 fl. Oz. bottle with dropper. For oral use.



## •GUNA®- TGF BETA 1

TRANSFORMING GROWTH FACTOR BETA 1

DILUTION: 4CH

BIOLOGICAL FUNCTIONS:

- Suppression of T and B lymphocyte, NK cell and monocyte function.
- Stimulation of phagocyte chemotaxis.
- Formation of the extra-cellular matrix. Growth control.

USES:

- chronic pain syndromes
- autoimmune diseases
- chronic inflammation

DIRECTIONS: 15-20 drops two times a day.

PACKAGE SIZE: 30 ml/1.0 fl. Oz. bottle with dropper. For oral use.



## •GUNA®- TNF

TUMOR NECROSIS FACTOR

DILUTION: 4CH

BIOLOGICAL FUNCTIONS: Antibacterial action. Anticancer action. Chemotactic action on monocytes and macrophages.

USES:

- complementary cancer therapy
- chronic bacterial infections
- night-time confusion and sleep disturbances
- muscle pain and stiff muscles especially in the early morning

DIRECTIONS: 15-20 drops two times a day.

PACKAGE SIZE: 30 ml/1.0 fl. Oz. bottle with dropper. For oral use.



## Low Dose

# HORMONES AND NEUROPEPTIDES

Hormones are present in the human body in very small amounts produced by endocrine glands. They exert their function as messengers transported by the blood to various target organs or tissues by regulating their physiological and metabolic activity. The endocrine network is regulated by a control system, which is performed through positive or negative feed-back mechanisms. A negative feed-back mechanism is especially exerted on hypothalamus and the pituitary gland by the hormones released by the target tissues.

The main characteristic of hormones, as already said, is that they are present in circulating fluids, and act in very small amounts; this concentration is sometimes expressed in picograms (a millionth of a milligram) per milliliter, i.e., a concentration that is very close to the products of this range. Through this physiological-like concentration of a low dose hormone, it is possible to restore the ability to naturally trigger an endocrine network in an unbalanced biological system.

Low dose hormones are not used as a supplementation of hormone deficiency, but rather in terms of thorough regulation.

They act by providing information capable of activating self-regulation mechanisms. Low dose hormones compensate for imbalances caused by mild changes in physiological concentration of the corresponding hormone.

Low dose physiological hormones activated through the SKA (Sequential Kinetic Activation) method are packed in 30 ml bottles in water-alcohol solution. The dose contained in these medicaments is expressed in picograms/ml, equal to the 4CH dilution for some of them (Guna-Beta Endorfin, Guna-Melatonin and Guna-Somatostatin) and nanograms, equal to the homeopathic D6 dilution for all the other products.

### Clinical information

Low dose hormones must be prescribed on the basis of the physiopathological study of a certain hormone, and on a patient's clinical history.

They stimulate the physiological function of the corresponding hormone. Vice versa, in order to curb the function of a certain hormone, it is necessary to administer the hormone that, according to physiological conditions, exerts a negative feedback action on the internal secretion of the same hormone. For instance, Guna-Progesteron D6 in cases of hyperestrogenism.

### Therapeutic protocols

The treatment duration depends on a patient's clinical history as well as on the severity of the disease.

**In chronic cases**, one treatment usually lasts 2 months at least. This treatment can be repeated, preferably after 15 days of discontinuation.

**In acute diseases**, a treatment lasts until the remission of symptoms. Sometimes an attack treatment can be chosen with 10 drops every 20 minutes for 2 hours at the most.

### Dosage

15-20 drops 2 times daily (standard dosage).

### Packaging

30 ml bottle with dropper. For oral use.

### Therapeutic strategy

The hormones and neuropeptides can be prescribed in two different ways:

#### According to an etiological decision making:

- if the pathological condition is the result of a down-regulation (deficit) of a certain hormone or neuropeptide, the same hormone will be used;
- if the pathological condition is the result of an up-regulation (surplus) of a certain hormone, the so-called "counterregulatory hormone" will be used, according to a physiological negative feedback.

#### According to a symptomatic decision making process

- a certain hormone is prescribed on the basis of the patient's symptoms.

# Hormones and neuropeptides

PRESCRIPTION ACCORDING TO AN ETIOLOGICAL DECISION MAKING.

HORMONE	FOR STRENGTHENING same hormone	FOR MODULATION counterregulatory hormone
ACTH	GUNA-ACTH	GUNA-TSH
B-ESTRADIOL	GUNA-BETA-ESTRADIOL	GUNA-PROGESTERON
CALCITONIN	GUNA-CALCITONIN	GUNA-PARATHORMONE
FSH	GUNA-FSH	GUNA-ESTRADIOL
GH	GUNA-IGF 1	GUNA-SOMATOSTATIN
LH	GUNA-LH	GUNA-PROGESTERON
PARATHORMONE	GUNA-PARATHORMONE	GUNA-CALCITONIN
PROGESTERON	GUNA-PROGESTERON	GUNA-BETA ESTRADIOL
PROLACTIN	GUNA-PROLACTIN	GUNA-MELATONIN
SOMATOSTATIN	GUNA-SOMATOSTATIN	GUNA-IGF 1 GUNA-PROLACTIN
TSH	GUNA-TSH	GUNA-ACHT GUNA-SOMATOSTATIN
T3	GUNA-T3	GUNA-SOMATOSTATIN
T4	GUNA-T4	GUNA-SOMATOSTATIN

# • GUNA<sup>®</sup>-ACTH

ADRENOCORTICOTROPIC HORMONE

DILUTION: D6

SECRETING GLAND: Anterior PITUITARY

BIOLOGICAL FUNCTIONS:

Stimulation of the adrenal cortex hormones as follows:

- Glucocorticoids: hydrocortisone, corticosterone, cortisol
- Mineralcorticoids: aldosterone, 11-Deoxycorticosterone
- Sex hormones

USES:

- Asthenia
- Aging
- Chronic stress
- Lack of appetite
- Hypersympathetic dystonia

DIRECTIONS: 15-20 drops two times a day.

PACKAGE SIZE: 30 ml/1.0 fl. Oz. bottle with dropper. For oral use.



# • GUNA<sup>®</sup>-BETA-ENDORFIN

DILUTION: 4CH

SECRETING GLAND: Various areas of the brain, especially HYPOTHALAMUS and PITUITARY

BIOLOGICAL FUNCTIONS: Neuro-hormone with inhibitory action on the pituitary. Pain-killing action

USES: Pain of various origin and types.

DIRECTIONS: 15-20 drops two times a day.

PACKAGE SIZE: 30 ml/1.0 fl. Oz. bottle with dropper. For oral use.



# • GUNA<sup>®</sup>-BETA-ESTRADIOL

DILUTION: D6

SECRETING GLAND: FEMALE GONADS due to stimulation of pituitary FSH.

BIOLOGICAL FUNCTIONS:

- Menstrual cycle: oogenesis and maturation of the egg cell
- Pregnancy: pregnancy maintenance
- Postpartum: maintaining breast milk production and preparing the new menstrual cycle

USES:

- Disorders of the female hormone cycle and fertility disorders
- Aging
- Hot flushes
- Sagging skin
- Stress

DIRECTIONS: 15-20 drops two times a day.

PACKAGE SIZE: 30 ml/1.0 fl. Oz. bottle with dropper. For oral use.



## •GUNA<sup>®</sup>-CALCITONIN

DILUTION: D6

SECRETING GLAND: THYROID

BIOLOGICAL FUNCTIONS: Control of calcium metabolism through the uptake of calcium in the bones.

USES:

- Osteoporosis
- Bone pain

DIRECTIONS: 15-20 drops two times a day.

PACKAGE SIZE: 30 ml/1.0 fl. Oz. bottle with dropper. For oral use.



## •GUNA<sup>®</sup>-FSH

### FOLLICLE STIMULATING HORMONE

DILUTION: D6

SECRETING GLAND: Anterior PITUITARY

BIOLOGICAL FUNCTIONS:

- Control over the maturation of sex cells and the synthesis of sex hormones (estrogen/androgen).
- Female gender: follicle maturation
- Male gender: spermatogenesis

USES:

- Disorders of the female hormone cycle and fertility disorders
- Aging
- Polycystic ovary syndrome
- Low sex drive in women

DIRECTIONS: 15-20 drops two times a day.

PACKAGE SIZE: 30 ml/1.0 fl. Oz. bottle with dropper. For oral use.



## •GUNA<sup>®</sup>-LH

### LUTEINIZING HORMONE

DILUTION: D6

SECRETING GLAND: Anterior PITUITARY

BIOLOGICAL FUNCTIONS:

- Stimulation of sex hormone production.
- Female gender: development of the corpus luteum and estrogen production (with FSH). Stimulation of Progesteron production (with Prolactin)
- Male gender: testosterone production

USES:

- Aging
- Disorders of the female hormone cycle and fertility disorders
- Low sex drive in men

DIRECTIONS: 15-20 drops two times a day.

PACKAGE SIZE: 30 ml/1.0 fl. Oz. bottle with dropper. For oral use.



## • GUNA<sup>®</sup>-MELATONIN

DILUTION: D6

SECRETING GLAND: EPIPHYSIS

BIOLOGICAL FUNCTIONS:

- Neurohormonal regulation
- Normalization of circadian rhythms

USES:

- sleep disorders
- Circadian rhythm sleep disorders and altered physiological functions
- Stress
- Mood disorders and mood swings
- Non-conventional treatment of cancer
- Sympathetic hyperfunction
- Jet lag

DIRECTIONS: 15-20 drops two times a day.

PACKAGE SIZE: 30 ml/1.0 fl. Oz. bottle with dropper. For oral use.



## • GUNA<sup>®</sup>-PARATHORMONE

DILUTION: D6

SECRETING GLAND: PARATHYROID

BIOLOGICAL FUNCTIONS: Hypercalcemia due to osteoclast activity.

USES:

- Cramps
- Asthenia.

DIRECTIONS: 15-20 drops two times a day.

PACKAGE SIZE: 30 ml/1.0 fl. Oz. bottle with dropper. For oral use.



## • GUNA<sup>®</sup>-PROGESTERON

DILUTION: D6

SECRETING GLAND: CORPUS LUTEUM during menstrual cycle and PLACENTA during pregnancy.

BIOLOGICAL FUNCTIONS:

- Premenstrual syndrome
- Female hormone cycle disorders and fertility disorders
- Menstrual pain
- Intermenstrual bleeding
- Polycystic ovary syndrome

USES: Pain of various origin and types.

DIRECTIONS: 15-20 drops two times a day.

PACKAGE SIZE: 30 ml/1.0 fl. Oz. bottle with dropper. For oral use.



## • GUNA®-PROLACTIN

DILUTION: D6

SECRETING GLAND: Anterior PITUITARY

BIOLOGICAL FUNCTIONS:

- Preparing the mammary glands.
- The concentration of prolactin in the blood increases due to stressful stimuli.

USES:

- mood disorders and mood swings
- muscle weakness

DIRECTIONS: 15-20 drops two times a day.

PACKAGE SIZE: 30 ml/1.0 fl. Oz. bottle with dropper. For oral use.



## • GUNA®-SEROTONIN

DILUTION: D6

SECRETING GLAND: Produced by the raphe nuclei of the BRAIN STEM, the PONS and the MIDBRAIN

BIOLOGICAL FUNCTIONS: Preparing the pregnant uterus and the mammary glands for breastfeeding.

Peripheral regulation of serotonergic tone.

USES:

- mood disorders and mood swings
- headache
- eating disorders

DIRECTIONS: 15-20 drops two times a day.

PACKAGE SIZE: 30 ml/1.0 fl. Oz. bottle with dropper. For oral use.



## • GUNA®-SOMATOSTATIN

DILUTION: 4CH

SECRETING GLAND: Median eminence of the HYPOTHALAMUS (also some  $\delta$  cells of the Islets of Langerhans)

BIOLOGICAL FUNCTIONS:

- Inhibition of the growth hormone release.
- Inhibition of thyrotropin, corticotropin, glucagon, gastrin, secretin, and renin release.

USES:

- Cancer
- Hyperthyroidism

DIRECTIONS: 15-20 drops two times a day.

PACKAGE SIZE: 30 ml/1.0 fl. Oz. bottle with dropper. For oral use.



## • GUNA<sup>®</sup>-T3

DILUTION: D6

SECRETING GLAND: THYROID

BIOLOGICAL FUNCTIONS: Stimulation to utilize O<sub>2</sub> and produce heat.

USES:

- hypothyroidism
- tendency to be overweight

DIRECTIONS: 15-20 drops two times a day.

PACKAGE SIZE: 30 ml/1.0 fl. Oz. bottle with dropper. For oral use.



## • GUNA<sup>®</sup>-T4

DILUTION: D6

SECRETING GLAND: THYROID

BIOLOGICAL FUNCTIONS: Stimulation to utilize O<sub>2</sub> and produce heat.

USES:

- growth disorders
- physical weakness
- neurasthenia

DIRECTIONS: 15-20 drops two times a day.

PACKAGE SIZE: 30 ml/1.0 fl. Oz. bottle with dropper. For oral use.



## • GUNA<sup>®</sup>-TRYPTOPHAN

DILUTION: D6

SECRETING GLAND: HYPOPHYSIS

BIOLOGICAL FUNCTIONS: Precursor of Serotonin and Melatonin synthesis.

USES:

- sleep disorders
- mood disorders and mood swings

DIRECTIONS: 15-20 drops two times a day.

PACKAGE SIZE: 30 ml/1.0 fl. Oz. bottle with dropper. For oral use.



## • GUNA<sup>®</sup>-TSH

THYROID-STIMULATING HORMONE

DILUTION: D6

SECRETING GLAND: HYPOPHYSIS

BIOLOGICAL FUNCTIONS: Control over thyroid activity. Stimulation of thyroid hormone release.

USES:

- neurasthenia
- water retention

DIRECTIONS: 15-20 drops two times a day.

PACKAGE SIZE: 30 ml/1.0 fl. Oz. bottle with dropper. For oral use.







Injectable vials for

**Aesthetic Medicine**

# Injectable vials for **Aesthetic Medicine**

Guna approach to Aesthetic medicine was born from the unique combination of the mesotherapy technique with the traditional knowledge of Acupuncture, Homeopathy, Homotoxicology and the more innovative Physiological Regulating Medicine.

This new vision of health, beauty and Medicine regards pharmacological therapeutic intervention not only as a corrective tool but also as a preventive instrument, which should be carried out according to each patient's concept of individuality and using natural, safe, and effective products, without the risk of negative side effects.

The products described in this section are injectable preparations of low-dose ingredients, for subcutaneous or intradermal use. They have been specifically developed to be used in mesotherapy, however they may be applied also by using devices for transdermal delivery (iontophoresis, magnetophoresis, skin roller etc), depending on each patient's needs.

Guna products for Aesthetic Medicine are presented in boxes of 10 sterile vials, each containing 2ml of injectable solution. Are indicated to be used mainly on face and neck, as they are specific for stimulating the production of **autologous collagen (Guna®- Collagen)** and for skin revitalization and **wrinkle reduction (MADE®)**. They provide a multiple and integrated intervention.

The ingredients work in synergy with each other to launch a global attack on the aesthetic flaw, surrounding it on several fronts and achieving a definitive solution. Until now, this therapeutic strategy was made possible only combining several different products into a complex and expensive mesotherapy cocktail.

Guna injectable products represent an alternative or complementary tool in aesthetic treatments. The effects are gradual but last in time. For achieving best results, local injections should be combined, whenever needed, with the intake of oral PRM products and/or Physiological Nutraceuticals, as well as a topical cosmetic home treatment.

This integrated strategy allows the patient to get also optimal health conditions and wellbeing with obvious positive aspects from an aesthetic and psychological point of view.

## **General Hints For Injection Treatments**

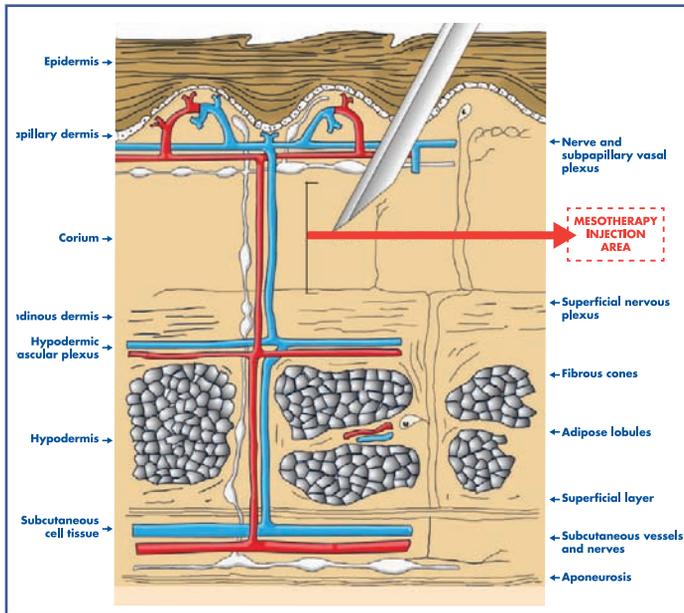
### **Needles**

- **13mm 30G needle:** it can be used in all treatments and especially for the tunneling of wrinkles and scars.
- **4mm 30G needle:** being it very thin and therefore less painful, it is recommended for treating the most sensitive areas, such as face and scalp, and when only a small amount of product needs to be injected.
- **4mm 27G needle:** it is recommended for injecting 5ml of product or more. It is useful, for instance, in the treatment of wider areas of the body, scars and stretch marks.

### **Infiltration techniques**

- According to traditional mesotherapy, the product is administered by subcutaneous or intradermal injections.
- Micro-injections (0.2 to 0.3ml for each wheal) in the treatment area.
- An innovative technique is to inject the product both intradermally and subcutaneously, in one single inoculation, by using a 13mm needle.
- Intradermal "nappage": consists in numerous superficial intracutaneous injections (2-4 mm deep) in the treatment area, at a distance of 2-4 mm to each other, with an angle of incidence of 30-60 degrees to the skin surface, keeping a constant pressure on the plunger of the syringe. The aim of the intradermal "nappage" is the stimulation of the papillary dermis, which are made up of thin collagen fibers and arranged perpendicularly to skin surface.
- Tunnel technique: it is useful to treat deeper wrinkles and scars. The needle is inserted parallel to the wrinkle and a lateral movement is applied to the needle while the product is being injected. This will cause a slight inflammatory reaction which reduces the wrinkle.
- In addition to symptomatic points, it is possible to infiltrate also the acupuncture points, in order to stimulate circulation, drainage etc.

**Figure 13:** Mesotherapy injection area



## Topical treatment

At the end of each session it is recommended to apply a thin layer of Tamanu-Arnica cream on the treated area for a quick and pleasant soothing action. For better results, Guna cosmetic creams should be used as a home treatment.

## •GUNA®- COLLAGEN

### Ingredients:

Collagen 6X

### Uses:

Stimulation of the synthesis of autologous collagen. treatment of face and neck wrinkles. Treatment of scars and stretch marks.

### Directions:

Mesotherapy (intra-dermal injections). Tunneling technique. Transdermal delivery with appropriate devices. Standard protocol: 1 weekly treatment for 8-10 consecutive weeks. For better results, a maintenance treatment course of 3-4 weekly sessions is recommended once or twice a year. 1 vial is generally sufficient to treat the whole face.

## Combination with Physiological Regulating Medicine

It is helpful to combine the mesotherapy treatments with a draining home therapy to help eliminate the toxic load via the physiological excretory organs: **Guna®-Matrix**, **Guna®-Lympho** and **Guna®-Diur**, 20 drops each, twice a day, for 2 consecutive months. Treatment course may be repeated at intervals of 30 days.

## The advantages:

- No allergic reactions
- No side effects
- No contraindications
- No interaction with other drugs
- Can be combined one with each other
- Can be combined with other conventional or complementary aesthetic treatments (in different sessions), without contraindications.
- No recovery time needed
- Natural-looking and long lasting results

## Packaging:

Box of 10 sterile vials, 2ml each.

STERILE VIALS



## Package size:

Box of 10 sterile vials, 2ml each.

# •MADE

STERILE VIALS

## Ingredients:

Alpha ketoglutaricum acidum 6X  
Ascorbic acid 6 X  
Barium oxalosuccinate 6X  
Calcarea fluorica 30X  
Cis-aconitic acid 6X  
Collagen 8X/30X  
Fumaricum acidum 6X  
Funiculus umbilicalis 10X/3X  
Galium aparine 6X  
Glandula suprarenalis 10X  
Hepar 10X  
Hyaluronidase 8 X /30 X  
Magnesium gluconate 6X,  
Manganum phosphoricum 10X  
Mercurius solubilis 20X  
Musculus 20X  
Natrium oxalaceticum 6X  
Natrium pyruvicum 8X  
Nicotinamidum 6X  
Placenta 10X,  
Pyridoxinum hydrochloricum 6X  
Riboflavinum 6X  
Skin tissue 8X/30X  
Sulphur 12X  
Thiaminum hydrochloricum 6X  
Thuja occidentalis 6X



**Standard protocol:** 1 weekly treatment for 8-10 consecutive weeks. For better results, a maintenance treatment course of 3-4 weekly sessions is recommended once or twice a year. 1 vial is generally sufficient to treat the whole face.

## Package size:

Box of 10 sterile vials, 2ml each.

## Uses:

Treatment of fine and deep wrinkles. Face revitalization. Tissue tone improvement. Anti-aging treatment of face, neck, décolleté, hands...

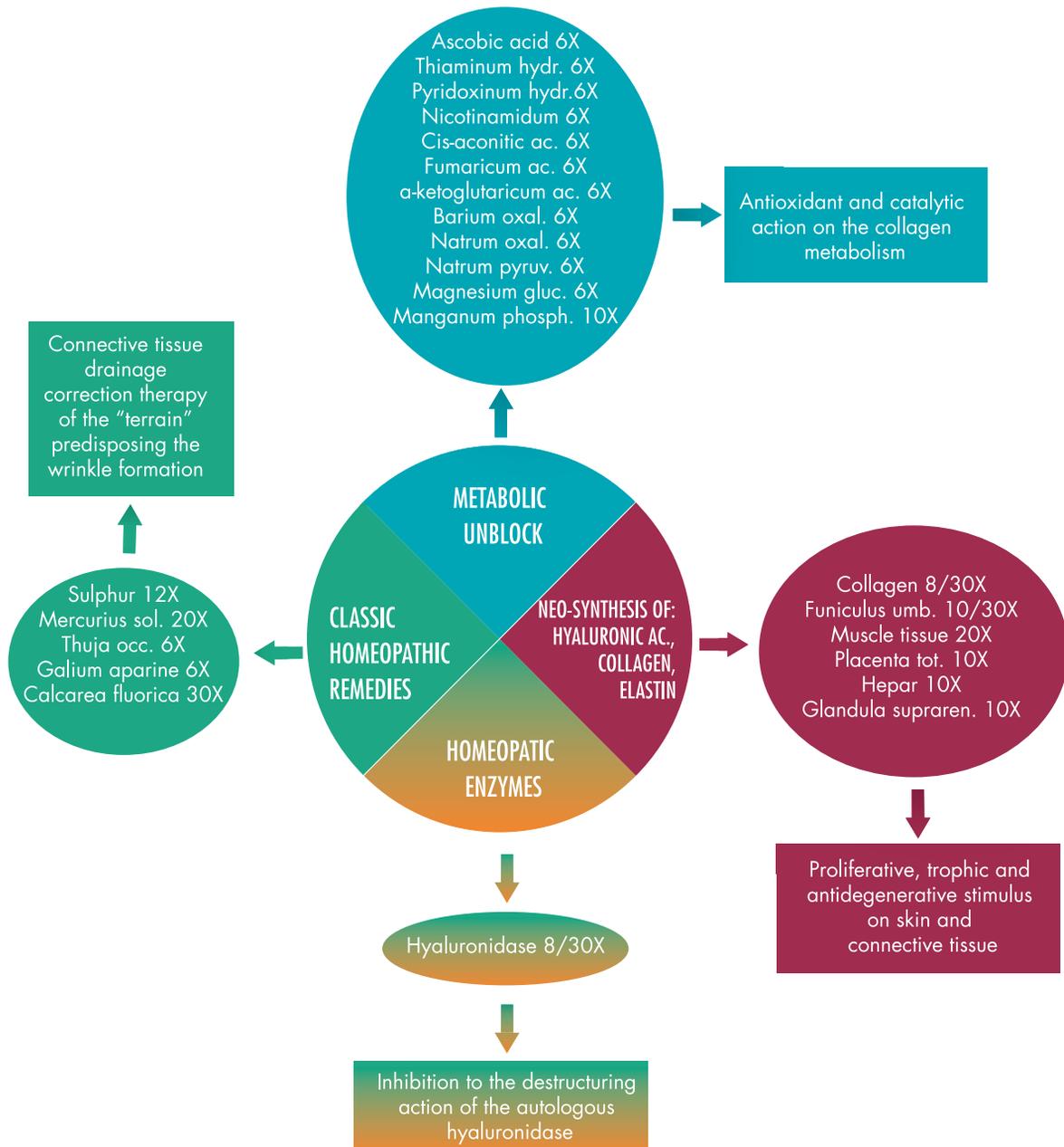
## Directions:

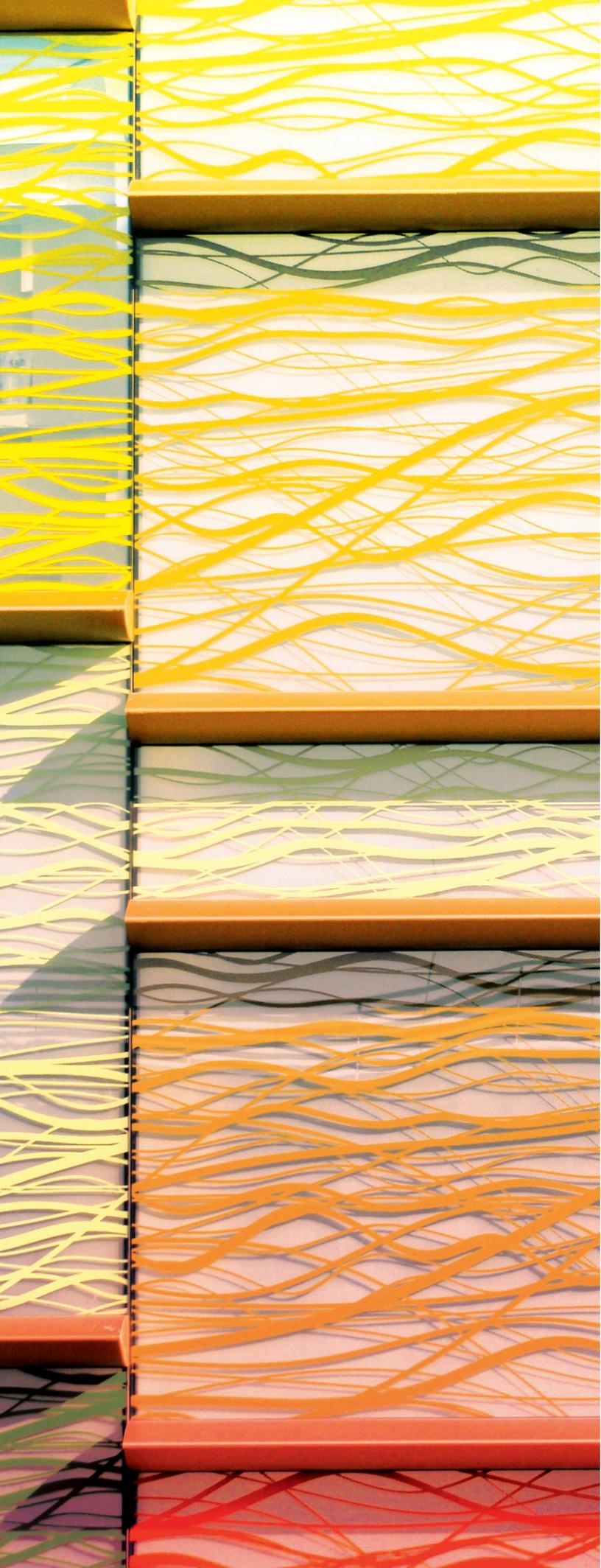
Mesotherapy (intra-dermal injections). Tunneling technique. Transdermal delivery with appropriate devices.

### Most common combinations

Guna Collagen + Made: treatment of deep wrinkles

### The rational structure of **MADE** according to Guna-Method





Guna Collagen

**Medical Devices**

# Guna Collagen

## Medical Devices

### What are Guna Collagen Medical Devices?

Guna Collagen Medical Devices represent an innovative injection treatment for osteo-arthro-myo-fascial pathologies.

Their main action is exerted by a local supplementation of collagen, while a secondary supportive pharmacological action is exerted by auxiliary substances.

Due to the fact that their main action on the human body is mechanical, these products are classified as Medical Devices (Dir. 93/42, art. 1).

This range of products is made up of 13 specific Medical Devices (MD). Each one contains collagen of biological origin and a specific excipient of natural origin (minerals, vitamins, trace elements or herbals), allowing an efficient and specific positioning on site.

- Seven of these MD are specific for individual anatomical skeletal areas and their related disorders:  
**MD-NECK,**  
**MD-THORACIC,**  
**MD-LUMBAR,**  
**MD-SHOULDER,**  
**MD-HIP,**  
**MD-KNEE,**  
**MD-SMALL JOINTS.**
- One is specific for the sciatic nerve:  
**MD-ISCHIAL**
- Five others that are specific for diseases affecting tissues of meso-dermal origin:  
**MD-MUSCLE,**  
**MD-NEURAL,**  
**MD-MATRIX** (extra cellular matrix),  
**MD-TISSUE** (soft tissues),  
**MD-POLY** (multi-articular)

Each product is presented in a box of 10 vials of 2ml each, for subcutaneous, intradermal, periarticular, intraarticular and intramuscular (local muscles) use.

The local administration of Collagen exerts a primary action as mechanical support of the involved area, in order to replace, strengthen, restructure and protect the musculoskeletal tissues by improving the structure of collagen fibers and - consequently - of all anatomical structures in which it is present.

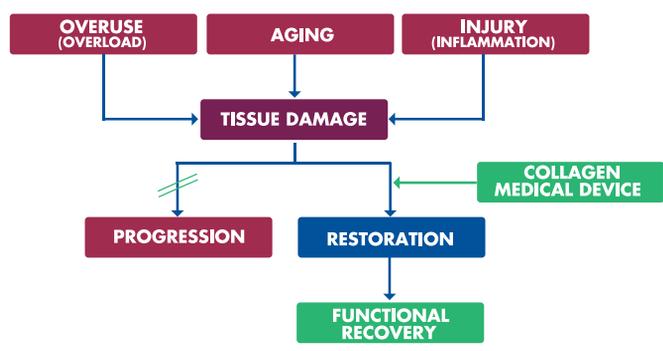
The auxiliary substances exert a secondary, supportive action. Each ancillary has been chosen for its specific tropism for one or more tissues, as documented by clinical evidence, literature or traditional knowledge. The auxiliary substance guarantees an efficient delivery and positioning of the collagen in the specific target area (Collagen Delivery System).

### Intended use of Guna Collagen Medical Devices

Guna Collagen Medical Devices represent the ideal treatment tool in 3 types of clinical cases in orthopedics-traumatology:

- Overuse pathologies;
- Aging processes that affect the tissues derived from the mesoderm, such as bones, tendons, ligaments, muscles and, in general, in the ailments of the extra-cellular matrix;
- Degenerative phenomena secondary to chronic inflammatory processes of traumatic origin.

**Figure 1:** Flow chart of events occurring after overuse, aging and injury which affect collagen fibers, and positioning of Guna Collagen Medical Devices.



Guna Collagen Medical Devices are intended to:

- Support the physiological repair of the tissue damaged by injury ;
- Improve the structure of collagen fibers and - consequently - of all anatomical structures in which it is present;
- Provide mechanical support to the district concerned;

- Protect tissues of the Musculoskeletal System from the results of overuse, aging processes or traumatic events;
- Relieve localized pain, as an indirect consequence of reinforcing and stabilizing the affected tissues.

## Action Mechanism of Guna Collagen Medical Devices

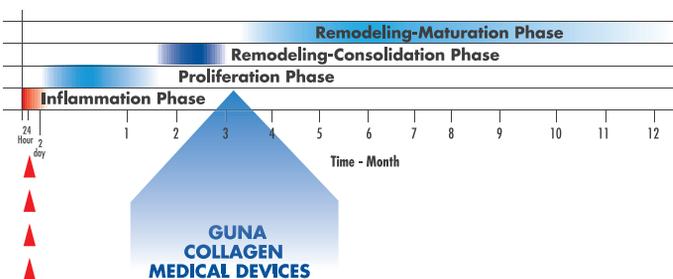
Collagen is the most abundant protein of the human body and it is the main component of dermis, tendons, ligaments, bones, cartilage, muscles and the extracellular matrix, where it acts as a bioscaffold.

In all cases of osteo-arthro-myo-fascial pathologies caused by overuse, aging and injury, the most evident result is the loss of integrity of the collagen fibers which appear neither longer organized in a linear way nor parallel to one another and may display lacerations.

The damaged tissue undergoes a long multiphase recovery process during which repair and restitutio ad integrum phenomena are linked to the deposition and reorganization of the extracellular matrix scaffold, primarily formed by collagen (Figure 2).

In other words, collagen is the prerequisite for the activation of the repair process of all the body tissues.

**Figure 2:** Chronobiology of tissue repair processes of the Musculoskeletal System. A short inflammatory phase is followed by a proliferative (repair) phase, then a remodeling phase. The tissue becomes more fibrous and the collagen fibers begin to re-organize in a linear way, increasing their tensile strength. The fibrous tissue is then transformed into an adhesive scar tissue. The remodeling phase continues for up to a year following the pathological event.



- RICE treatment: "Rest-Ice-Compression-Elevation"
- NSAIDs

A collagen deficiency is always detectable in inflammatory and/or degenerative diseases of the locomotor apparatus and of other structures of mesodermal origin.

By reinforcing and stabilizing the affected areas, regeneration and indirect analgesic effects occur.

Guna Collagen Medical Devices provide only Collagen in the form of Tropocollagen, which is the substrate of the endogenous enzyme lysine-hydroxylase. Therefore, they do not exert any pharmacological action because the normal metabolism/catabolism of collagen remains unchanged.

The tropocollagen contained in Guna Collagen Medical Devices acts subsequently as a bio-scaffold.

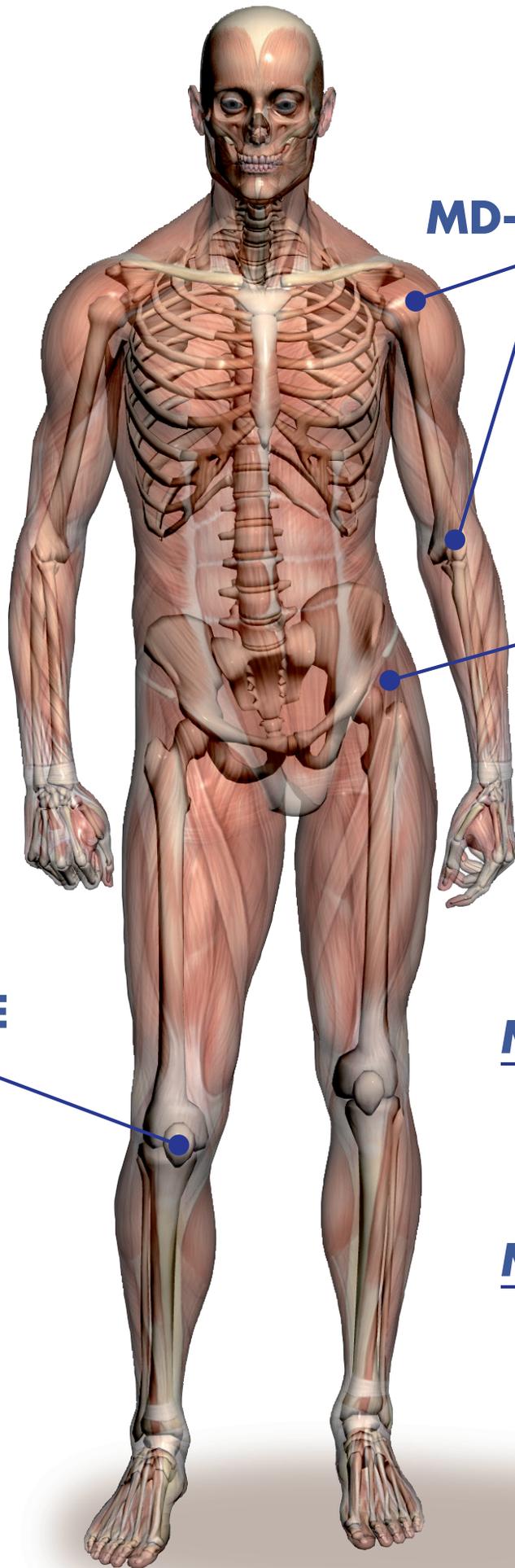
Characteristics of collagen in Guna Collagen Medical Devices			
Type of collagen	Molecular weight of type I tropocollagen	Amount of tropocollagen in 1 vial/2ml	Molecules of tropocollagen in 100µg of tropocollagen preparation
Type I Tropocollagen	300 kDa	100 µg	2X10 <sup>14</sup>

Even though Guna Collagen Medical Devices show effectiveness in the etiological treatment of acute and chronic benign pain affecting the musculoskeletal system (thanks to the auxiliary and secondary anti-inflammatory action of the excipients) they cannot and should not be considered as pain-killers.

## How to use Guna Collagen Medical Devices

Each protocol must be adapted to the patient's medical history and the specific clinical case.

Guna Collagen Medical Devices can be used alone (e.g. MD-Lumbar: low back pain with high arthritic imprint), or – more frequently – variously mixed with each other according to the patient's clinical and functional needs (e.g. MD-Lumbar + MD-Neural: low back pain with algic nerve imprint; MD-Lumbar + MD-Muscle: low back pain with prevailing myo-fascial imprint).

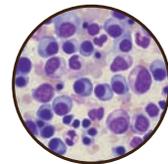


**MD-SHOULDER**

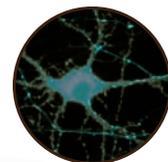
**MD-HIP**

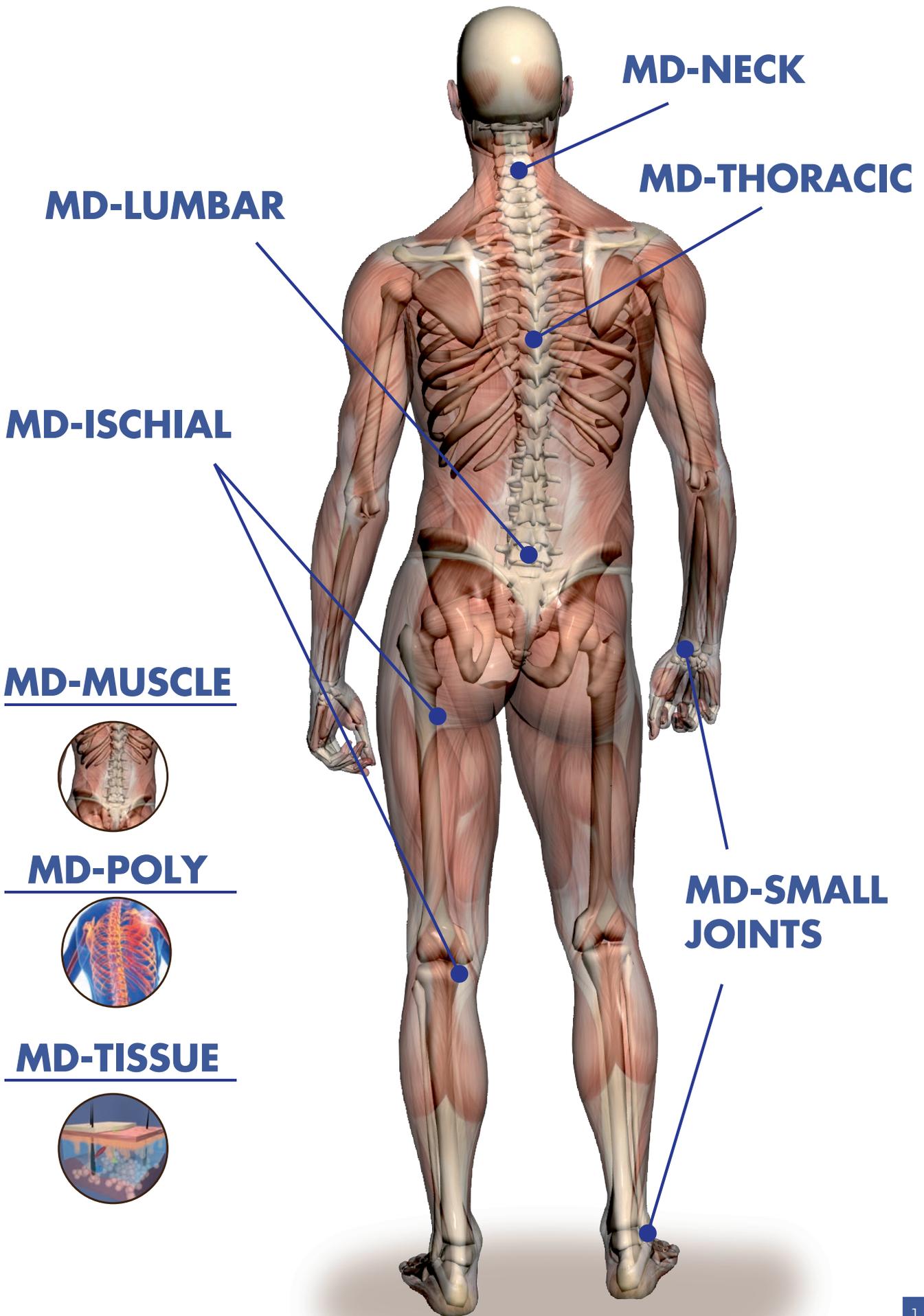
**MD-KNEE**

**MD-MATRIX**



**MD-NEURAL**





Guna Collagen Medical Devices are applied locally through:

1. Periarticular injections.
2. Intra-articular injections, in those joints allowing a clear intra-articular approach (knee, hip, shoulder): the proteoglycans of the ecm cementing the collagen fibers improve the viscoelasticity properties of the endoarticular fluid.
3. Subcutaneous and/or intradermal injections: in trigger points, in spontaneously painful points, in points where average digitopressure causes pain, in local acupuncture points, etc.
4. Intramuscular injections into muscle trigger points, and in supportive treatment (mainly home treatment).

It is possible to combine the injectable local treatment with the Guna Collagen Medical Devices with other physical therapies.

Guna Collagen Medical Devices can be associated with P.R.M. (Physiological Regulating Medicine) therapies, with conventional local or systemic injective therapies, with any physical therapy.

Guna Collagen Medical Devices can also be used while the patient is treated with corticosteroids, NSAIDs and / or chondroprotective drugs, without contraindications. They are also not contraindicated if the patient receives – during the treatment - manipulative therapy or other physical therapeutic methods (acupuncture, electroacupuncture, shiatsu, physiokinesitherapy), instrumental methods (magnetic therapy, ultrasound, laser therapy, electrotherapy, etc.) or thermal therapy.

If required by the patient, a local anesthetic can be applied before starting the treatment session with Guna Collagen Medical Devices.

#### Standard protocol for acute phase of disease:

- 1 treatment daily (every 24 hours) for 3 consecutive days; then 2 treatments weekly until complete remission of symptoms. Continue with 1 treatment weekly.
- When necessary, 3 applications (1 weekly) may be useful 3 months after the last session of the basic treatment.

In acute osteo-arthro-myofascial pain, Guna Collagen Medical Devices are the ideal support to any anti-inflammatory treatment. They may be associated with either anti-inflammatory treatments with synthetic drugs [NSAIDs (mostly via periarticular mesotherapy) or corticosteroids (especially intra-articular route)] or homeopathic medicines. It is a good practice not to mix drugs and Guna Collagen Medical Devices in the same syringe.

#### Standard protocol for chronic diseases:

While respecting each individual case, in the treatment of chronic diseases, the standard protocol provides:

- 1 treatment 2 times weekly for the first 2 weeks; then 1 treatment weekly for 6 consecutive weeks.
- 1 application may be useful 3 months after the last session of basic treatment and then every 3 months.

During treatment with Guna Collagen Medical Devices any oral treatment can be administered at the same time.

Guna Collagen Medical Devices provide an innovative and sophisticated tool for the prevention and treatment of the aging process of intra-articular and periarticular structures as well as structures of the nearby mesodermal support tissues.

The characteristics of Guna Collagen Medical Devices such as efficacy, tolerability, absence of allergic reactions, versatility and ease of use make this an innovative, unique and valuable tool in the specialist and non specialist praxis to improve the quality of life of patients who were intended, otherwise, to get worse or become chronic.

## Use of Md-Matrix and Md-Tissue in Aesthetic Medicine

Thanks to the local collagen supplementation they provide, Guna Collagen Medical Devices, especially MD-MATRIX and MD-TISSUE, represent an innovative, natural and safe solution also in aesthetic treatments.



As we age, there is a natural decline in messenger molecules that trigger collagen production. There is also an increase in the enzyme collagenase which breaks collagen down.

This results in an overall decrease in the amount of collagen in the dermis. Another factor contributing to decreased collagen levels is free radicals from UV exposure. Areas with less support begin to cave in and wrinkles begin to form. The destruction of collagen is a major contribution to the loss of skin suppleness and structure that occurs with advancing age.

MD-TISSUE helps to counterbalance the physiological deterioration of the skin and subcutaneous connective tissue, as well as the effects of chrono-ageing and photo-ageing. It can be used as a local anti-ageing treatment against face and neck wrinkles and also as a preventive treatment to maintain a youthful appearance. The final result is a relaxed and rested face, with toned and glowing skin.

MD-MATRIX can be used to tighten the subcutaneous and microvascular connective tissue layer of localized adiposities and cellulite in the connective tissue, especially those at the root of the thighs and in the inner area of the knee. It also acts as a defensive barrier against free radicals.

MD-MATRIX and MD-TISSUE can be applied locally with mesotherapy injections or with the tunnelling technique. The application might cause symptoms of burning/pain at the injection site, that usually solve spontaneously within 5-10 minutes after the treatment. The use of a local anesthetic may be recommended before treatment.

MD-MATRIX and MD-TISSUE can also be applied by using less invasive tools for transdermal delivery such as devices for magnetophoresis and electrophoresis, dermaroller etc., which do not require the use of needles. In different therapeutic sessions, MD-MATRIX and MD-TISSUE can be combined with conventional aesthetic treatments, without contraindications.

The use of MD-MATRIX and MD-TISSUE in aesthetic medicine provide an innovative, safe and tolerable solutions to minor aesthetic flaws. They are easy to apply and ensure the absence of allergic reactions or negative side effects. The improvement is gradual and lasts in time. All these features make them a unique and valuable tool for a gentle and natural approach to aesthetic treatments.



## Guna Collagen Medical Devices general indications

**Guna Collagen Medical Devices** are designed to help movement by limiting a physiological degeneration of joints and tissues as well as by counterbalancing any damage caused by:

- aging
- bad posture
- concomitant chronic diseases
- blows and injuries
- pollutants.

**Guna Collagen Medical Devices** are intended to be used by a qualified staff in private or public health Facilities. The main therapeutic functions include:

- A barrier effect.
- A lubricating action.
- Mechanical support while administering other pharmacological treatments.

## General warnings and precautions

A slight reddening at the injection site may be due to a mechanical effect of the needle or to a skin reaction. The application might cause symptoms of burning/pain at the injection site, that usually solve spontaneously within 5-10 minutes after the treatment.

Skin cleansing/disinfection is required before and after application. Pyogenic bacteria may produce injection site abscesses.

KEEP OUT OF THE SIGHT AND REACH OF CHILDREN.

Do not use after the expiration date. The expiration date refers to a product properly stored in its original and undamaged package. Use the product immediately after opening.

## Instructions in case of damaged sterile vials

Do not use if the seal is broken or if the vial is not perfectly sealed. Once open, the content of the vial must be immediately injected.

Do not use if the package is damaged.

## Packaging

Box of 10 sterile vials, 2ml each

Box of 5 sterile vials, 2ml each

### Intended use:

- Improve the movement of the hip joint.
- Help muscle stretching of the lumbosacral area.
- Support the periarticular muscle tissue.
- Sooth local pain, pain caused by joint movement or bad posture.

### Directions:

Therapeutic protocol: 1 treatment weekly for 10 consecutive weeks.

#### *Periarticular injection technique*

*(the site of application must be aseptic; insert the needle at 6-8 mm depth)*

For this purpose the use of the following materials and accessories is recommended:

- Materials for aseptic skin preparation: single-use gloves, iodine solution, alcohol solution, sterile gauze pads, ethyl chloride spray for the skin.
- Needles: sterile 27 G.
- Syringes: 5 or 10 cc size, according to the volume of the solution to inject.

#### *Intraarticular injection technique*

For this purpose the use of the following materials and accessories is recommended:

- Materials for aseptic skin preparation: single-use gloves, iodine solution, alcohol solution, sterile gauze pads, ethyl chloride spray for the skin. The application of a topical anaesthetic on the skin area to be treated is recommended.
- Needles: sterile 22 G.
- Syringes: 2 cc size, according to the volume of the solution to inject.

#### **Hip - Intraarticular injection**

The trochanteric bursa is located over the lateral prominence of the greater trochanter of the femur.

There can be an anterior or a lateral approach to the hip.

The patient is lying supine. The anatomic landmark is located 2 cm below the superior border of the greater trochanter in between its anterior and posterior borders. The skin overlying this location is marked and prepared in a sterile way. A 22 gauge needle is injected parallel to the floor and perpendicular to the femoral shaft.



### Instructions and possible combinations:

MD-HIP may be used as a single treatment or mixed with other medical devices of the same range in order to make a customised treatment according to clinical evolution.

When a supportive treatment is needed for acute pain, MD-HIP can be associated with MD-NEURAL, MD-POLY and MD-MUSCLE (together with one or more than one of these).

Moreover, when a supportive treatment is needed for the connective tissue matrix or when the physiological aging process is needed to be slowed down, MD-HIP can be associated with MD-MATRIX and MD-TISSUE.

It may also be used as mechanical support while treating the following diseases:

- Hip joint osteoarthritis.
- Hip joint capsule inflammation.
- Hip joint osteoarthritis with rheumatoid arthritis (in association with MD-POLY).
- Hip joint pain of muscle origin (in association with MD-MUSCLE)
- Hip joint pain of nerve origin (burning hip, in association with MD-NEURAL)
- Hip joint pain due to prolonged bed rest.

Administration may vary according to individual needs.

## Intended use:

- Improve leg movement.
- Help leg muscle stretching.
- Help to support the leg muscle tissue.
- Soothe leg pain while starting to move legs again, after a period of prolonged inactivity.

## Directions:

Therapeutic protocol: 1 treatment weekly for 10 consecutive weeks.

*Periarticular injection technique  
(the site of application must be aseptic; insert the needle near the sacroiliac joint at 2-4 mm depth)*

For this purpose the use of the following materials and accessories is recommended:

- Materials for aseptic skin preparation: single-use gloves, iodine solution, alcohol solution, sterile gauze pads, ethyl chloride spray for the skin.
- Needles: sterile 27 G.
- Syringes: 5 or 10 cc size, according to the volume of the solution to inject.

## Instructions and possible combinations:

MD-ISCHIAL may be used as a single treatment or mixed with other medical devices of the same range, in order to make a customised treatment according to clinical evolution.

When a supportive treatment is needed for acute pain, MD-ISCHIAL can be associated with MD-NEURAL, MD-POLY and MD-MUSCLE (together with one or more than one of these).

Moreover, when a supportive treatment is needed for the connective tissue matrix or when the physiological aging process should be slowed down, MD-ISCHIAL can be associated with MD-MATRIX and MD-TISSUE.



It may also be used as mechanical support while treating the following diseases:

- Sciatic pain
- Lumbar-sciatic pain (in association with MD-LUMBAR and MD-NEURAL)
- Nerve pain in the lower lumbar spine (in association with MD-MUSCLE)
- Leg nerve pain due to post-surgery treatment of disc herniation L4-L5, L5-S1
- Morton neuroma (in association with MD-NEURAL).

### Intended use:

- Improve the knee movement.
- Help muscle stretching.
- Soothe pain while moving legs and knee.

### Directions:

Therapeutic protocol: 1 treatment weekly for 10 consecutive weeks.

#### *Periarticular injection technique*

*(the site of application must be aseptic; insert the needle near the sacroiliac joint at 2-4 mm depth)*

For this purpose the use of the following materials and accessories is recommended:

- Materials for aseptic skin preparation: single-use gloves, iodine solution, alcohol solution, sterile gauze pads, ethyl chloride spray for the skin.
- Needles: sterile 27 G.
- Syringes: 5 or 10 cc size, according to the volume of the solution to inject.

#### *Intraarticular injection technique*

For this purpose the use of the following materials and accessories is recommended:

- Materials for aseptic skin preparation: single-use gloves, iodine solution, alcohol solution, sterile gauze pads, ethyl chloride spray for the skin. The application of a topical anaesthetic on the skin area to be treated is recommended.
- Needles: sterile 22 G.
- Syringes: 2 cc size, according to the volume of the solution to inject.

#### **Knee - Intraarticular injection technique (internal side)**

The patient should lay supine with the knee comfortably extended. A 22 G needle is inserted in a direction parallel to the plane of the posterior surface of the patella in a medial and lateral position.

### Instructions and possible combinations:

MD-KNEE may be used as a single treatment or mixed with other medical devices of the same range, in order to make a customised treatment according to clinical evolution.



When a supportive treatment is needed for acute pain, MD-KNEE can be associated with MD-NEURAL, MD-POLY and MD-MUSCLE (together with one or more than one of these).

Moreover, when a supportive treatment is needed for the connective tissue matrix or when the physiological aging process should be slowed down, MD-KNEE can be associated with MD-MATRIX and MD-TISSUE.

It may also be used as mechanical support while treating the following diseases:

- Knee arthrosis (in association with MD-POLY).
- Patello-femoral arthrosis.
- Knee localization of rheumatoid arthritis or of other autoimmune diseases (in association with MD-POLY).
- Knee acute and chronic arthrosynovitis secondary to arthrosis or to rheumatoid arthritis (in association with MD-POLY).
- Post-traumatic or post-surgery acute and chronic arthrosynovitis.
- Traumatic lesions of cruciate or collateral ligaments of the knee.
- Meniscal lesions (in association with MD-MUSCLE).
- Knee joint preparation to meniscectomy (in association with MD-MUSCLE).
- Maintenance therapy after knee surgery (in association with MD-MUSCLE and MD-NEURAL).

## Intended use:

- Help lumbar movement
- Help muscle stretching of the lumbosacral area of the spine.
- Help to support the lumbar muscle tissue.
- Soothe local pain, pain at rest or caused by movement and bad posture.

## Directions:

Therapeutic protocol:

- Acute pathologies: 2 treatments weekly for the first 2 weeks; 1 treatment until improvement of symptoms (average 8-10 sessions).
- Chronic pathologies: go on with 1 treatment weekly for one month until improvement of symptoms, then with 1 treatment monthly or – according to individual needs – every 45-50 days.

### *Periarticular injection technique*

*(The site of application must be aseptic. Insert the needle near the lumbar and lumbosacral joints at 3-4 mm depth)*

For this purpose the use of the following materials and accessories is recommended:

- Materials for aseptic skin preparation: single-use gloves, iodine solution, alcohol solution, sterile gauze pads, ethyl chloride spray for the skin.
- Needles: sterile 27 G.
- Syringes: 5 or 10 cc size, according to the volume of the solution to inject.

## Instructions and possible combinations:

MD-LUMBAR may be used as a single treatment or mixed with other medical devices of the same range, in order to make a customised treatment according to clinical evolution.

When a supportive treatment is needed for acute pain, MD-LUMBAR can be associated with MD-NEURAL, MD-POLY and MD-MUSCLE (together with one or more than one of these).

Moreover, when a supportive treatment is needed for the connective tissue matrix or when the physiological aging process should be slowed down, MD-LUMBAR can be associated with MD-MATRIX and MD-TISSUE.



It may also be used as mechanical support while treating the following diseases:

- Lumbar pain secondary to cartilage degenerative lumbar spine disorders (lumbar and lumbar-sacral arthrosis).
- Lumbar vertebral osteophytosis.
- Low-back pain secondary to musculo-tendinous trigger points (in association with MD-MUSCLE).
- Postural low-back aches (in association with MD-NEURAL and MD-MUSCLE).
- Lumbar and lumbar-sacral mechanical imbalance.
- Lumbar and lumbar-sacral spinal ligament syndrome.
- Sacro-iliac syndrome.
- Spinal lumbar and lumbar-sacral nerve root pain (in association with MD-NEURAL and MD-ISCHIAL).

### Intended use:

- Help movement by limiting a physiological degeneration of joints and tissues as well as by counterbalancing any damage caused by: aging, bad posture, concomitant chronic diseases, blows and injuries. pollutants.
- Help movement, by strengthening the supportive tissue of the joints, and of the skin and its subcutaneous tissue. Its main therapeutic functions include: a barrier effect, a lubricating action, mechanical support while administering other pharmacological treatments.
- Due to its special function, MD-MATRIX is also intended for firming the subcutaneous and microvascular connective tissue layer of localized adiposities and cellulite in the connective tissue, especially those at the root of the thighs and in the inner area of the knee, in particular:
  - Strengthen the extra-cellular matrix tissues where the collagen is applied.
  - Act as a defensive barrier against free radicals.

### Directions:

Therapeutic protocol: 2 treatments weekly for the first 2 weeks, 1 treatment weekly until improvement of symptoms (average 8-10 sessions). It is possible to go on with 1 treatment every other week for 10 weeks at most. For chronic pathologies: go on with 1 treatment weekly for 1 month until improvement of symptoms, then 1 treatment monthly.

*Intradermal and subcutaneous injection technique (the site of application must be aseptic; insert the needle at 1-3 mm depth and microinject 0.2-0.3 ml into the affected tissue.)*

*Periarticular injection technique (the site of application must be aseptic; insert the needle near the joint at different depths.)*

For this purpose the use of the following materials and accessories is recommended:

- Materials for aseptic skin preparation: single-use gloves, iodine solution, alcohol solution, sterile gauze pads, ethyl chloride spray for the skin.
- Needles: sterile 27 G, 4 mm.
- Syringes: 5 or 10 cc size, according to the volume of the solution to inject.



### Instructions and possible combinations:

- MD-MATRIX may be used as a single treatment or mixed with other medical devices of the same range, in order to make a customised treatment according to clinical evolution.
- Concerning its use for the treatment of localized adiposity, and for firming the subcutaneous connective tissue layer, MD-MATRIX should preferably be associated with MD-TISSUE (e.g. MD-MATRIX 2 vials, MD-TISSUE 1 vial / treatment).
- It may also be used in patients who need a collagen supplementation or a topical antiaging treatment.

## Intended use:

- Help muscle stretching and function.
- Help to support the muscle tissue in bad posture disorders.
- Improve joint movement.
- Soothe local pain, or pain caused by movement and bad posture.

## Directions:

Therapeutic protocol: 1-2 treatments weekly for 10 consecutive weeks.

*Intramuscular injection technique*  
(the site of application must be aseptic; insert the needle into the muscle to be treated at 2-4 mm depth)

For this purpose the use of the following materials and accessories is recommended:

- Materials for aseptic skin preparation: single-use gloves, iodine solution, alcohol solution, sterile gauze pads, ethyl chloride spray for the skin.
- Needles: sterile 27 G.
- Syringes: 5 or 10 cc size, according to the volume of the solution to inject.

### *Intramuscular injection technique*

For this purpose the use of the following materials and accessories is recommended:

- Materials for aseptic skin preparation: single-use gloves, iodine solution, alcohol solution, sterile gauze pads, ethyl chloride spray for the skin. The application of a topical anaesthetic to the skin is recommended.
- Needles: sterile 22 G.
- Syringes: 2 cc size, according to the volume of the solution to inject.

## Instructions and possible combinations:

MD-MUSCLE may be used as a single treatment or mixed with other medical devices of the same range, in order to make a customised treatment according to clinical evolution.

When a supportive treatment is needed for the connective tissue matrix or when an antiaging action is necessary, MD-MUSCLE can be associated with MD-MATRIX and MD-TISSUE.



It may also be used as mechanical support while treating the following diseases:

- Pain management: acute, subacute, and chronic.
- Referred somatic pain area management (in association with MD-NEURAL)
- Trigger points management (in association with MD-NEURAL)
- Fibromyalgia syndrome (in association with MD-NEURAL)
- Dermatomyositis.

Administration may vary according to individual needs.

### Intended use:

- Improve the movement of the cervical tract of the spine.
- Help cervical muscle stretching.
- Help to support cervical muscle tissue.
- Help to support cervical muscle tissue in bad posture disorders.
- Soothe pain in cervical column movements.

### Directions:

Therapeutic protocol: 1-2 treatments weekly for 10 consecutive weeks.

*Periarticular injection technique (the site of application must be aseptic; insert the needle at 2-4 mm depth).*

For this purpose the use of the following materials and accessories is recommended:

- Materials for aseptic skin preparation: single-use gloves, iodine solution, alcohol solution, sterile gauze pads, ethyl chloride spray for the skin.
- Needles: sterile 27 G.
- Syringes: 5 or 10 cc size, according to the volume of the solution to inject.

### Instructions and possible combinations:

MD-NECK may be used as a single treatment or mixed with other medical devices of the same range, in order to make a customised treatment according to clinical evolution.

When a supportive treatment is needed for acute pain, MD-NECK can be associated with MD-NEURAL, MD-POLY and

MD-MUSCLE (together with one or more than one of these). Moreover, when a supportive treatment is needed for the connective tissue matrix or when the physiological aging process should be slowed down, MD-NECK can be associated with MD-MATRIX and MD-TISSUE.

It may also be used as mechanical support while treating the following diseases:

- Neck pain due to cartilage degenerative cervical spine disorders (cervical osteoarthritis, in association with MD-POLY)
- Neck pain due to cervical muscular trigger points (in association with MD-MUSCLE)
- Stiff neck syndrome (in association with MD-NEURAL)



- Simple neck pain (in association with MD-NEURAL and MD-MUSCLE)
- Whiplash (in association with MD-NEURAL and MD-MUSCLE)
- Postural neck ache (in association with MD-NEURAL and MD-MUSCLE)
- Mechanical imbalance (facet joint syndrome) (in association with MD-NEURAL)
- Cervical spinal ligament syndrome (in association with MD-NEURAL)
- Cervical spinal nerve root pain (in association with MD-NEURAL).

Administration may vary according to individual needs.

## Intended use:

- MD-NEURAL is a medical device designed to help joint movement, specifically in bad posture disorders. Its main therapeutic functions include: barrier effect, lubricating action, mechanical support while administering other pharmacological treatments.

## Directions:

Therapeutic protocol: 1-2 treatments weekly for 10 consecutive weeks.

*Periarticular injection technique (the site of application must be aseptically; insert the needle at 2-4 mm depth).*

For this purpose the use of the following materials and accessories is recommended:

- Materials for aseptic skin preparation: single-use gloves, iodine solution, alcohol solution, sterile gauze pads, ethyl chloride spray for the skin.
- Needles: sterile 27 G.
- Syringes: 5 or 10 cc size, according to the volume of the solution to inject.

### *Intraarticular injection technique*

For this purpose the use of the following materials and accessories is recommended:

- Materials for aseptic skin preparation: single-use gloves, iodine solution, alcohol solution, sterile gauze pads, ethyl chloride spray for the skin. The application of a topical anaesthetic on the skin area to be treated is recommended.
- Needles: sterile 22 G.
- Syringes: 2 cc size, according to the volume of the solution to inject.

## Instructions and possible combinations:

MD-NEURAL may be used as a single treatment or mixed with other medical devices of the same range, in order to make a customised treatment according to clinical evolution.

When a supportive treatment is needed for the connective tissue matrix or when an antiaging action is necessary, MD-NEURAL can be associated with MD-MATRIX and MD-TISSUE.



It may also be used as mechanical support while treating the following diseases:

- Brachial pain (in association with MD-NECK)
- Brachial nerve pain due to cervical entrapment (in association with MD-NECK)
- Persistent intercostal neuralgia (in association with MD-THORACIC)
- Postherpetic neuralgia (in association with MD-THORACIC or MD-LUMBAR)
- Atypical facial neuritis (in association with MD-NECK)
- Trigeminal neuralgia (in association with MD-NECK)
- Temporomandibular joint pain (in association with MD-NECK)
- Cervical, thoracic, lumbar and sacrolumbar nerve root pain (respectively in association with MD-NECK, MD-THORACIC, MD-LUMBAR and MD-ISCHIAL).

### Intended use:

- Improve movement of the joints.
- Help muscle stretching.
- Help to support the muscle tissue in bad posture disorders.
- Soothe local pain, or pain caused by movement and bad posture.

### Directions:

Therapeutic protocol: 1-2 treatments weekly for 10 consecutive weeks.

*Periarticular injection technique (the site of application must be aseptic; insert the needle at 3-6 mm depth)*

For this purpose the use of the following materials and accessories is recommended:

- Materials for aseptic skin preparation: single-use gloves, iodine solution, alcohol solution, sterile gauze pads, ethyl chloride spray for the skin.
- Needles: sterile 27 G.
- Syringes: 5 or 10 cc size, according to the volume of the solution to inject.

#### *Intraarticular injection technique*

For this purpose the use of the following materials and accessories is recommended:

- Materials for aseptic skin preparation: single-use gloves, iodine solution, alcohol solution, sterile gauze pads, ethyl chloride spray for skin. The application of a topical anaesthetic on the skin area to be treated is recommended.
- Needles: sterile 22 G.
- Syringes: 5 or 10 cc size, according to the volume of the solution to inject.

### Instructions and possible combinations:

MD-POLY may be used as a single treatment or mixed with other medical devices of the same range, in order to make a customised treatment according to clinical evolution.

When a supportive treatment is needed for the connective tissue matrix or when an antiaging action is necessary, MD-POLY can be used together with MD-MATRIX and MD-TISSUE. It may also be used as mechanical support while treating the



following diseases:

- Small joints rheumatoid arthritis of hand and foot (in association with MD-SMALL JOINTS)
- Non-specific diffuse pain (in association with MD-NECK and MD-NEURAL)
- Costo-sternal syndrome (in association with MD-NEURAL)
- Chronic polyarthrititis due to auto-immune diseases (e.g. Lupus erithematosus sistemicus) (in association with MD-NEURAL when nerve pain is dominant; in association with MD-MUSCLE when muscle pain is dominant)
- Breakbone fever (when nerve pain is dominant in association with MD-NEURAL; when muscle pain is dominant in association with MD-MUSCLE)
- Joint pain due to viral or protozoic disease (in association with another Guna medical device containing the same type of collagen contained in the joint to be treated)
- Joint pain due to cancer (chronic leukaemia, multiple myeloma) (in association with another Guna medical device containing the same type of collagen contained in the joint to be treated).

## Intended use:

- Improve movement of the shoulder joint and the arm.
- Help muscle stretching.
- Help to support the muscle tissue.
- Soothe local pain and pain caused by movement.

## Directions:

Therapeutic protocol: 1-2 treatments weekly for 10 consecutive weeks.

*Periarticular injection technique (the site of application must be aseptic; insert the needle at 2-4 mm depth).*

For this purpose the use of the following materials and accessories is recommended:

- Materials for aseptic skin preparation: single-use gloves, iodine solution, alcohol solution, sterile gauze pads, ethyl chloride spray for the skin.
- Needles: sterile 27 G.
- Syringes: 5 or 10 cc size, according to the volume of the solution to inject.

### *Intraarticular injection technique*

For this purpose the use of the following materials and accessories is recommended:

- Materials for aseptic skin preparation: single-use gloves, iodine solution, alcohol solution, sterile gauze pads, ethyl chloride spray for skin. The application of a topical anaesthetic on the skin area to be treated is recommended.
- Needles: sterile 22 G.
- Syringes: 2 cc size, according to the volume of the solution to inject.

#### **Shoulder – Intraarticular injection, anterior approach**

Anterior approach. With the patient's hand on the thigh and the shoulder muscles relaxed, the glenohumeral joint can be palpated by placing the fingers between the coracoid process and the humeral head. As the shoulder is internally rotated, the humeral head can be felt turning inward and the joint space can be felt as a groove just lateral to the coracoid process. A 22 G needle can be inserted lateral to the coracoid. Insert the needle into the joint space.

#### **Shoulder – Intraarticular injection, posterior approach**

Posterior approach. The posterior aspect of the shoulder joint can be identified by making the patient's arm rotate. This position is achieved by placing the patient's ipsilateral hand on the opposite shoulder. The humeral head can be palpated by placing a finger posteriorly along the acromion while the shoulder is rotated. A 22 G needle is inserted about 1 cm inferior to the posterior tip of the acromion and directed anteriorly and medially.



## Instructions and possible combinations:

MD-SHOULDER may be used as a single treatment or mixed with other medical devices of the same range, in order to make a customised treatment according to clinical evolution.

When a supportive treatment is needed for acute pain, MD-SHOULDER can be associated with MD-NEURAL, MD-POLY and MD-MUSCLE (together with one or more than one of these).

Moreover, when a supportive treatment is needed for the connective tissue matrix or when the physiological aging process should be slowed down, MD-SHOULDER can be associated with MD-MATRIX and MD-TISSUE

It may also be used as mechanical support while treating the following diseases:

- Shoulder-arm polyarthritis (in association with MD-POLY)
- Rotator cuff syndrome (in association with MD-MUSCLE)
- Shoulder-arm syndrome (in association with MD-NEURAL and MD-MUSCLE)
- Frozen shoulder (in association with MD-MUSCLE)
- Shoulder pain due to dislocation (therapeutic rest, in association with MD-NEURAL)
- Epicondylitis (in association with MD-NEURAL and MD-POLY)

## • MD-SMALL JOINTS

### Intended use:

- Improve movement of the small joints of hand, foot and ankle.
- Help muscle stretching.
- Help to support the muscle tissue.
- Soothe local pain and pain caused by joint movement.

### Directions:

Therapeutic protocol: 1 treatment weekly for 10 consecutive weeks.

*Periarticular injection technique (the site of application must be aseptic; insert the needle near the sacroiliac joint at 2-4 mm depth)*

For this purpose the use of the following materials and accessories is recommended:

- Materials for aseptic skin preparation: single-use gloves, iodine solution, alcohol solution, sterile gauze pads, ethyl chloride spray for the skin.
- Needles: sterile 27 G.
- Syringes: 5 or 10 cc size, according to the volume of the solution to inject.

### *Intraarticular injection technique*

For this purpose the use of the following materials and accessories is recommended:

- Materials for aseptic skin preparation: single-use gloves, iodine solution, alcohol solution, sterile gauze pads, ethyl chloride spray for the skin. The application of a topical anaesthetic on the skin area to be treated is recommended.
- Needles: sterile 22 G.
- Syringes: 2 cc size, according to the volume of the solution to inject.

#### **Ankle - Intraarticular approach**

**Medial approach.** A 22 G needle is placed about 4 cm proximal and lateral to the distal end of the medial malleolus. The flexor hallucis longus tendon is just lateral to this point. The needle is directed 45 degrees posteriorly, slightly upward, and laterally.

**Lateral approach.** A 22 G needle is placed about 1 cm proximal and medial to the distal end of the lateral malleolus. The needle should be inserted 45 degrees posteriorly, slightly upward.



### Instructions and possible combinations:

MD-SMALL JOINTS may be used as a single treatment or mixed with other medical devices of the same range, in order to make a customised treatment according to clinical evolution.

When a supportive treatment is needed for acute pain, MD-SMALL JOINTS can be associated with MD-NEURAL, MD-POLY and MD-MUSCLE (together with one or more than one of these).

Moreover, when a supportive treatment is needed for the connective tissue matrix or when the physiological aging process should be slowed down, MD-SMALL JOINTS can be associated with MD-MATRIX and MD-TISSUE.

It may also be used as mechanical support while treating the following diseases:

- Osteoarthritis of the fingers
- Rhizoarthrosis of the thumb (Forestier disease)
- Arthrosis pain due to hammer toe
- Carpal-tunnel syndrome (in association with MD-NEURAL)
- De Quervain disease (in association with MD-NEURAL)
- Metatarsal pain
- Metatarsal pain accompanied by Morton's neuroma (in association with MD-NEURAL)
- Rheumatoid arthritis of the hand/foot (in association with MD-POLY)
- Hand/Foot tendon pain due to prolonged immobilization.

## Intended use:

- Improve movement of the thoracic tract of the spine.
- Help muscle stretching.
- Help to support the muscle tissue in bad posture disorders.
- Soothe local pain, pain caused by movement and bad posture.

## Directions:

Therapeutic protocol: 2 treatments weekly for the first 2 weeks, 1 treatment weekly until improvement of symptoms (average 8-10 sessions). For chronic pathologies: go on with 1 treatment weekly for 1 month until improvement of symptoms, then 1 treatment monthly.

*Periarticular injection technique (the site of application must be aseptic; insert the needle at 2-4 mm depth).*

For this purpose the use of the following materials and accessories is recommended:

- Materials for aseptic skin preparation: single-use gloves, iodine solution, alcohol solution, sterile gauze pads, ethyl chloride spray for the skin.
- Needles: sterile 27 G.
- Syringes: 5 or 10 cc size, according to the volume of the solution to inject.

## Instructions and possible combinations:

MD-THORACIC may be used as a single treatment or mixed with other medical devices of the same range, in order to make a customised treatment according to clinical evolution.

When a supportive treatment is needed for acute pain, MD-THORACIC can be associated with MD-NEURAL, MD-POLY and MD-MUSCLE (together with one or more than one of these).

Moreover, when a supportive treatment is needed for the connective tissue matrix or when the physiological aging process should be slowed down, MD-THORACIC can be associated with MD-MATRIX and MD-TISSUE.

It may also be used as mechanical support while treating the following diseases:

- Thoracic pain due to scoliosis (in association with MD-MUSCLE and MD-NEURAL)
- Thoracic pain due to thoracic long muscle trigger points



(in association with MD-MUSCLE)

- Pain due to thoracic spine osteophytosis (in association with MD-NEURAL)
- Pain from spinal osteoporosis (in association with MD-NEURAL and MD-MUSCLE)
- Mechanical imbalance (costo-vertebral facet joint syndrome) (in association with MD-NEURAL)
- Thoracic spinal ligament syndrome (in association with MD-NEURAL)
- Thoracic spinal nerve root pain (in association with MD-NEURAL).

## • MD-TISSUE

COLLAGEN + ASCORBIC ACID, MAGNESIUM GLUCONATE, PYRIDOXINE HYDROCHLORIDE, RIBOFLAVIN, THIAMINE HYDROCHLORIDE

STERILE VIALS

### Intended use:

- MD-TISSUE is a medical device designed to help movement by counteracting the physiological aging of the connective tissue. Its main therapeutic functions include: a barrier effect, a lubricating action, mechanical support while administering other pharmacological treatments. In particular, it:
  - Acts as a defensive barrier against free radicals.
  - Counteracts the physiological aging of the connective tissue.
  - Soothes local pain caused by movement.
- Due to its special function, MD-TISSUE is also intended to limit the physiological deterioration of the skin and subcutaneous connective tissue, and counterbalance the effects of chrono-ageing and photo-ageing, such as: local anti-ageing treatment, face and neck wrinkles, firming of the subcutaneous and perivascular connective layer of the face and neck, alteration of the trophicity of the connective tissue of face and neck induced by airborne pollutants / metabolic disorders.

### Directions:

Therapeutic protocol: 2 treatments weekly for the first 2 weeks, 1 treatment weekly until improvement of symptoms (average 8-10 sessions). It is possible to go on with 1 treatment every other week for 10 weeks at most. For chronic pathologies: go on with 1 treatment weekly for 1 month until improvement of symptoms, then 1 treatment monthly.

#### *Intradermal injection technique:*

The site of application must be aseptic;

#### *Microinjections:*

Insert the needle at 1-3 mm depth, and inject 0.2-0.3 ml into the affected tissue.

#### *Tunnelling injection technique:*

inject 0.3 ml per wrinkle. Insert the needle beneath the skin the full length of the needle, cannulate the wrinkle by moving the needle gently to left and right, while injecting the content of the syringe as the needle is withdrawn.

#### *Periarticular injection technique:*

The site of application must be aseptic; insert the needle perpendicular to the skin surface at 2-4 mm depth, and perform microinjections of 0.3-0.5 ml.



For this purpose the use of the following materials and accessories is recommended:

- Materials for aseptic skin preparation: single-use gloves, iodine solution, alcohol solution, sterile gauze pads, ethyl chloride spray for the skin.
- Needles for microinjections: sterile 27 G, 4 mm.
- Needles for tunnelling injection technique: sterile 30 G, 13 mm.
- Syringes: 5 or 10 cc size, according to the volume of the solution to inject.

### Instructions and possible combinations:

MD-TISSUE may be used as a single treatment or mixed with other medical devices of the same range, in order to make a customised treatment according to clinical evolution.

Concerning its use for the treatment of face and neck wrinkles, and for firming the subcutaneous connective tissue layer, MD-TISSUE should preferably be associated with MD-MATRIX (e.g. MD-TISSUE 2 vials, MD-MATRIX 1 vial / treatment).

It can be used when patients need a supplementation of collagen or a topical antiaging treatment.



**Transdermal delivery**

of Guna products

# • GUNAPHORESIS

Gunaphoresis is powered by resonance magnetophoresis. Resonance magnetophoresis is an innovative instrumental method for transcutaneous delivery of active ingredients. It is based on:

traditional magnetic therapy (ELF fields)  
magnetic information or resonance therapy (modulated ELF fields)

Gunaphoresis allows the transdermal delivery of active ingredients. It has a special Extremely Low Frequency (ELF,  $\leq 100$  Hz) and Low Intensity ( $\leq 100$  Gauss) magnetic field generator, capable of increasing the cellular membrane permeability. In addition to this capability, which is typical of traditional magnetic therapy (via activation of ionic pumps, increase of peripheral circulation and local oxygen intake), Gunaphoresis works above all according to the principles of resonance magnetotherapy. The magnetic wave delivers the signals, therefore the active principles, that are coded in the products to be applied, thanks to the specific conductive gels developed by Guna Laboratories (Gel Beauty and Gel Therapy). The gels ensure that the signals are "recognized" and locally absorbed by our body.

## Gunaphoresis is intended to treat:

- Wide areas with the cylindrical emitter
- Dot areas and linear areas with the tip emitter. It can be used also in acupoints.

Gunaphoresis allows the operator to adjust the delivery depth of the electromagnetic field in three different ways, depending on the body tissue to be treated as well as on the drainage level of the cellular matrix:

- 0: superficial
- 1: medium (15mm approx.)
- 2: deep (30mm approx.)

**Gunaphoresis may be used to deliver any active ingredient in a liquid form, i.e. Guna Collagen Medical Devices or Guna products for Aesthetic Medicine, as well as preservative-free creams and gels.**

Gunaphoresis is an alternative to treat patients who do not want to be injected.



## How to use Gunaphoresis with Guna vials:

Extract the solution from the vial by using a syringe. Mix the solution with one pump of Gel Beauty or Gel Therapy in a small jar. Apply the product on the area to be treated with the help of a brush. Turn on the device and use the emitter to massage the area until the product is absorbed.

Gunaphoresis complies with DIRECTIVE 06/95/EEC and DIRECTIVE 04/108/EEC.

## • GEL BEAUTY

Gel Beauty is a dermocosmetic conductive gel to be used with Guna products in vials, as it improves the absorption of these latter into the deepest layers of the skin. It has been expressly studied for a professional use, together with various devices for transdermal delivery of active ingredients, such as magnetophoresis (Gunaphoresis), ionophoresis, iontophoresis, electroporation, ultrasound devices, etc. Thanks to its specific formulation, Gel Beauty improves the effects of dermo-esthetic treatments and also helps hydrating and toning the skin and reducing the signs of ageing.

Gel Beauty has no thermal effect and it is packed in an "airless" dispenser which means it has no added preservatives.

**INGREDIENTS:** Aqua/Water, Propylene Glycol, Malpighia Glabra Extract (Ascorbic Acid), Xylitylglucoside, Anhydroxylitol, Xylitol, Glycerin, Capryloyl Glycine, Arginine, Lysine, Hydroxypropyl Methylcellulose, Human Oligopeptide-20, Sodium Chloride, Collagen, Pueraria Mirifica Root Extract, Octoxyglycerin, Panthenol.

**DIRECTIONS:** Mix one dose of the gel, corresponding to 1ml approximately, together with one or more Guna products in vials and apply on the area to be treated.

**PACKAGING:** 50ml "airless" dispenser



## • GEL THERAPY

Gel Therapy is a dermocosmetic conductive gel to be used with Guna products in vials, as it improves the absorption of these latter into the deepest layers of the skin. It has been expressly studied for a professional use, together with various devices for transdermal delivery of active ingredients, such as magnetophoresis (Gunaphoresis), ionophoresis, iontophoresis, electroporation, ultrasound devices, etc. Its special formulation helps delivering the active principles contained in anti-inflammatory and pain-management products, without injections. Moreover, its supportive draining and soothing properties are particularly useful in such treatments.

Gel Therapy has no thermal effect and it is packed in an "airless" dispenser which means it has no added preservatives.

**INGREDIENTS:** Aqua/Water, Propylene Glycol, Malpighia Glabra Extract (Ascorbic Acid), Xylitylglucoside, Anhydroxylitol, Xylitol, Glycerin, Capryloyl Glycine, Arginine, Lysine, Hydroxypropyl Methylcellulose, Human Oligopeptide-20, Sodium Chloride, Collagen, Octoxyglycerin.

**DIRECTIONS:** Mix one dose of the gel, corresponding to 1ml approximately, together with one or more Guna products in vials and apply on the area to be treated.

**PACKAGING:** 50ml "airless" dispenser





PHYSIOLOGICAL

**NUTRACEUTICALS**

# PHYSIOLOGICAL NUTRACEUTICALS

## From creative Italian research

Nutrition, one of the most important factors for achieving and maintaining good health, is of fundamental importance to wellness and a decisive element in the dynamics of ageing processes.

In the field of modern medicine, it is impossible to refute the importance of the role played by food in determining conditions of health and states of disease.

"Health cannot be achieved without a correct diet"

However, the application of this evidence is not so simple. The fathers of clinical nutrition teach us that there is nothing more difficult than changing the dietary habits of the general public. No Italian mother would deny her "bambino" a "nice plate of pasta", her American counterpart will bring her children up eating hot dogs and completely different dishes will be served up, for example, on an Arabian table. When it comes to food, each population has its own, unshakeable cultural certainties, that do not always coincide with physiological requirements.

However, there are rules, the only truly universal ones, shared by different peoples and countries and that go beyond cultural superstructures: **the laws of Nature and Physiology.**

It is precisely from this inspiration of the laws of Nature and the principles of **Physiological Nutriceutics**, in other words, 'nutrition that follows the logic of Nature and human physiology', that the therapeutic method known as **Physiological Nutraceuticals** was developed.

Physiological Nutraceuticals is based on the principles of integrity, vitality, quality, balance, personalisation and respect for each human being.

**Guna food supplements** are formulated and manufactured in observance of these principles. The nutritional principles contained in Guna food supplements are studied to guarantee each individual an ideal, balanced intake of the various

nutrients, according to his or her deficiencies and/or needs: from amino acids to vitamins, from polyunsaturated fatty acids to trace elements, etc.

These innovative food supplements, which have been developed according to the principles of Physiological Nutraceuticals, favour the control of physiological functions and the regulation of the metabolic circuits that underlie health.

A new page on health and disease prevention is being written, one that will also have important socioeconomic repercussions. Metabolic-based disease prevention, through the adoption of healthy lifestyles, through a correct diet and thanks to the beneficial action of the active ingredients contained in foods, can drastically reduce the incidence amongst the population of conditions such as metabolic syndrome, overweight, type 2 diabetes, inflammatory bowel disease or conditions such as chronic fatigue syndrome, celiac disease, gluten sensitivity, etc.

## Definition

**Physiological Nutraceuticals** is the most modern and innovative expression of Nutritional science. It is based on the principles of **human physiology** and developed following the most recent discoveries in the field of **molecular biology** and in the **P.N.E.I.** (psycho-neuro-endocrino-immunology) domain.

It is based on the concept that, together with a correct lifestyle and diet, nutrients and food supplements are the first 'therapeutic' tools for:

- **Preventing the onset of pathological conditions** (primary prevention instrument)
- **Supporting physiological balance** (wellness instrument)
- **Countering ageing processes** (anti-ageing instrument)
- **Acting on pathological conditions** (coadjuvant therapy instrument).

The physiological status of an organism (today more correctly termed **superorganism**, indicating the mutual relationships between bacteria and cells) coincides with the condition of homeostasis, in which vital parameters are maintained within a precise and defined range and whose upward or

downward movement is identified with disease. Control over bodily functions, and therefore over vital parameters, is primarily exerted by the CNS (Central Nervous System), by the ANS (Autonomic Nervous System), the endocrine system and the immune system that, together constitute the **P.N.E.I.** network.

A disturbance to the P.N.E.I. equilibrium represents the pathogenetic onset of disease. A significant quantity of endogenous and exogenous stressors (amongst which an increasingly important role is played by nonorganic food, GMOs or processed food in general) disturb the equilibrium of **homeostasis**, and the P.N.E.I. system's adaptation capacity is not always able to absorb the harm they cause.

The gastrointestinal system, above all other systems, and the intestine in particular, represents an authentic P.N.E.I. microcosm, acting as a homeostatic controller over the entire organism. Indeed, the intestinal mucosa has nervous (it secretes neuropeptides and neurohormones), endocrine (it secretes hormones) and immune (it secretes cytokines) functions and it is closely connected to other organs, tracts and systems: it therefore goes without saying that an intestinal level disturbance not only involves this organ, rather it inevitably has systemic repercussions. For example, the relationship between the intestine and the brain (through the GBA – gut-brain axis), is a two-way relationship in which the emotions, through the stress pathway, are able to alter intestinal function, which, in turn, is able to condition nervous function and even behaviour.

In this relationship, as in that between the intestine and the immune system, a key role is played by the **gut microbiota**. As mentioned above, today we cannot consider the human body without taking into consideration its relationships with the gut flora. Qualitative and quantitative alterations in the gut flora can represent the onset of localized diseases characterised by alterations in the mucosa's permeability (IBD, Inflammatory Bowel Disease), IBS (Irritable Bowel Syndrome), gluten sensitivity, leaky gut syndrome, as well as extra-intestinal conditions, such as autism spectrum disorders, anxious-depressive

syndrome, Alzheimer's disease, type-2 diabetes, obesity, psoriasis, rheumatoid arthritis, COPD (Chronic Obstructive Pulmonary Disease) and RRI (Recurrent Respiratory Infections).

These diseases share a common element: **inflammation**. In particular, low-grade chronic inflammation, a silent killer, whose evolution leads to mucosal damage and, in turn, to loss of the homeostatic controller function exerted by the intestine.

The delicate intestinal mucosa is constantly attacked by inflammatory triggers of various kinds: stress, medicines, food. The dramatic increase in the incidence of infantile disability, anxious-depressive syndromes, coeliac disease or metabolic disorders is common to large portions of the world's population and has a growth curve parallel to the **processed food** intake trend. To overlook this element is to overlook scientific evidence and deny the role of preventative medicine by controlling inflammatory bowel disorders and restoring the efficiency of the junction system, and with it the integrity of the mucosa, is not only one of the essential therapeutic steps in the treatment of inflammatory gastrointestinal disorders, rather it coincides with control over systemic inflammatory processes and therefore the first and most important prevention of chronic degenerative and age-related diseases.

The combination of these concepts, which are the pillars of Physiological Nutraceuticals, has led to the development of innovative new food supplements, that allow a modern approach to health based on nutraceutical intervention:

- by acting primarily on the gastrointestinal system, makes it possible to act on the whole body;
- by controlling inflammatory processes in the intestine, makes it possible to control systemic low grade chronic inflammation – the 'mother' of all disease;
- by maintaining the integrity of the mucosa, makes it possible to maintain the P.N.E.I. equilibrium of the digestive tract and, ultimately, the whole body.

# • COLOSTRONONI

Containing freeze-dried bovine colostrum and *Morinda citrifolia* L. (Noni) extract in highly bioavailable form, Colostrononi is a fast-acting, orodispersible food supplement. It is suitable for use by both adults and children to: **Favour intestinal eubiosis; Maintain the histological integrity of the intestinal mucosa; Stimulate the mucosa-associated immune system.**

## Why Colostrononi

With its vast surface area (approximately 400m<sup>2</sup>), the digestive tract represents the body's most important outside world/inside world interface. In physiological conditions, its delicate mucosal structures provide an effective filter that selects what is useful to and what is harmful for the body and an extraordinary protective barrier against pathogens or substances that are potentially harmful to its integrity (free radicals). In pathological conditions the mucosal structures can represent the main "way in" for viruses, bacteria, parasites and mycetes and their alteration can represent the aetiopathogenetic trigger for a multitude of inflammatory, infectious and functional illnesses, such as: influenza, intestine-related conditions (cystitis, prostatitis, candida), gastroenteritis, food intolerances and allergies, forms of dysentery, constipation, IBDs, IBS, Sinus disorders, RRI.

## How it works

Colostrononi's action is due to its two components: bovine colostrum and *Morinda citrifolia* L.

**Bovine colostrum:** colostrum is the first milk produced by the mother after birth and it is commonly known as "the child's first vaccine", by virtue of its high antibody content: indeed, it differs from mature milk in the higher quantity (6 times higher) of antibodies, amino acids, vitamins, mineral salts, hormones and growth factors. Its active ingredients are:

**Immunoglobulins and other immunomodulating ingredients:** IgA/IgM/IgG, PRP (proline-rich polypeptides), lactoferrin, cytokines pool (IL-10 and IL-2), glycoproteins and tryptic inhibitors of trypsin, lymphokines, lysozyme, oligopolysaccharides and glycoconjugates that provide effective protection against viral, bacterial and mycotic infection.



**Hormones, amino acids and growth factors:** estrogens, androgens and calcium metabolism hormones, the entire amino acid pool and growth factors such as IGF-1, EGF, FGF and TGF, that stimulate the growth and repair of the intestinal mucosa considerably improving its barrier effect.

**Vitamins, co-enzymes and trace elements:** Vitamins A, C, D, E, B group vitamin, coenzyme Q10 and trace elements (Zn, Se, Cu, etc.) guarantee optimal cell metabolism and effective protection against free radicals.

**Minerals and trace elements:** Na, K, Ca, Mg, Fe, Cu, Zn, Cr, Se, P and S restore the osmotic and hydrosaline equilibrium.

### **Morinda citrifolia L. (Noni)**

A plant used for centuries by the peoples of the South Pacific and valued for its therapeutic properties. The fruit's juice has a high concentration of proxeronine, the precursor of the alkaloid xeronine, with endocrine and immune system stimulating function and anti-inflammatory, antibacterial and analgesic properties.

## The ADVANTAGES

- High content (550mg per sachet) of 100% pure, skimmed, freeze-dried, pasteurized bovine colostrum
- It dissolves directly in the mouth, without water
- Ready-to-use single-dose sachets
- Low fat content
- High digestibility
- Pleasant taste
- Inhibiting additive- and gluten-free
- The special pharmaceutical procedure used to manufacture Colostrononi means the product is

not subject to potentially aggressive mechanical and heating processes, in order to avoid alterations in the quality of the active ingredients.

## Fields of application

- Prevention and treatment of influenza and influenza-like conditions, particularly in those forms characterised by gastrointestinal disorders (diarrhoea, vomiting, abdominal pain and cramps) associated with general tiredness, typical of the 'flu epidemics' of recent years
- Impaired or altered intestinal function, caused by infections (gastroenteritis) of both bacterial and viral origin, associated with diarrhoea, loss of appetite and abdominal pains.
- Intestinal dysbiosis secondary to prolonged use of antibiotics, incorrect diet, infectious diseases, physiological stress and unhealthy lifestyles.

## Ingredients

Sweetener: sorbitol; freeze-dried bovine colostrum (with milk derivatives), Noni (*Morinda citrifolia* L., fruit) powdered juice, maltodextrin, flavouring, anti-caking agent: silicon dioxide; sweetener: sucralose.

## Directions

### Treatment of chronic gastrointestinal and intestine-related conditions

#### • Treatment of intestinal dysbiosis:

**Adults**, 1 sachet twice a day for 15 days. The treatment cycle can be repeated depending on the clinical situation. Dissolve the content of the sachet directly in the mouth, without water. The product should preferably be taken before meals.

**Children**, 1 sachet a day for 15 days. The treatment cycle can be repeated depending on clinical requirements. Dissolve the content of the sachet directly in the mouth, without water, or alternatively in milk or yogurt. The product should be taken preferably before meals.

### Most common combinations

**Colostroni + Proflora**: gastrointestinal disorders with diarrhea; recurrent infections of the gastrointestinal and genitourinary tracts.

**Colostroni + Gunaelmint**: recovery of the integrity and functionality of the gastrointestinal mucosa in cases of parasitic helminth infestation.

**Colostroni + Enzyformula**: bad digestion and malabsorption syndromes.

### • Adjuvant treatment for acute gastrointestinal disorders:

**Adults**, 1 sachet twice or more a day (according to medical advice) for 4 – 5 days. Dissolve the content of the sachet directly in the mouth, without water. The product should be taken preferably before meals.

**Children**, 1 or more sachets a day (according to medical advice) for 4 – 5 days. Dissolve the content of the sachet directly in the mouth, without water, or alternatively in milk or yoghurt. The product should be taken preferably before meals.

## Packaging

24 x 1.8 g of orodispersible granules  
Net weight 43.2 g

## Warnings and precautions

Store the product in a cool and dry place and protect from light. The expiry date refers to the product correctly stored in its original and undamaged packaging. Do not exceed the stated recommended daily dose. Keep out of the reach of young children. Excessive consumption may produce laxative effects. Food supplements should not be used as a substitute for a varied diet and a healthy lifestyle.

## Nutrition facts

	per 100 g	per sachet
Energy	386 kcal 1638 kJ	7 kcal 29 kJ
Fat	0.31 g	0.006 g
of which saturates	0.21 g	0.004 g
Carbohydrate	75.14 g	1.353 g
of which sugars	3.89 g	0.070 g
Protein (N X 6.25)	20.16 g	0.363 g
Salt	0.21 g	0.004 g
Freeze-dried bovine colostrum	30.56 g	550 mg
Noni powdered juice	11.11 g	200 mg

# • ENZYFORMULA

Enzyformula is a “differentiated release” food supplement, constituted by a combination of digestive enzymes, vitamin PP and plant extracts that favours digestive and hepato-bilio-pancreatic functions and the rebalancing of the physiological detoxifying processes. Its exclusive formula is an ideal blend of enzymes and plant extracts for optimum restoration of the digestive function. Enzyformula production method makes this supplement unique and readily bioavailable.

## When to use

Digestive enzymes are usually secreted in the first part of the digestive tract (mouth, stomach and first part of the small intestine), where they generate digestion processes and the absorption of nutrients; in situations associated with dietary stress or excess, old age or unhealthy lifestyles, there may be a reduction in enzyme secretion, with a consequent dysregulation of digestive processes and of physiological hepatic and pancreatic function.

With its combination of specific active ingredients and innovative “differentiated-release technology”, Enzyformula helps to promote the physiological digestion of lactose, complex sugars, vegetable fibers, fats and proteins, whose altered metabolism causes the onset of a number of gastrointestinal disorders (digestion problems and feeling of heaviness, post-prandial drowsiness, abdominal bloating, intestinal gas and postprandial headache).

It can be used by all subjects with digestive disorders and it is ideal for those over the age of 40, when digestive enzyme function drops by 50%.

## Fast layer and slow layer: how the components of Enzyformula work

Enzyformula “differentiated-release” tablets are constituted by a first faster-release layer, for rapid, specific enzymatic and phytotherapeutic support in the gastroduodenal area and a slower-release layer, to favour the optimum protective and antioxidant activity of the plant ingredients.



## The active ingredients of the fast-release layer

To optimise activity, the following are released in the stomach and upper small intestine, within 60 minutes:

**Natural blend of enzymes** (papain, bromelin, lactase, lipase, cellulase and amylase): this complete blend of enzymes of plant origin favours the digestion of even the most complex molecules, such as proteins, sugars, lactose, fats and plant fibres, to facilitate their gastric and intestinal transit.

**Phyllanthus niruri L. dry extract:** ingredient of plant origin that favours liver function and promotes detoxification processes.

**Fumaria officinalis L. dry extract:** herbal remedy that helps rebalance hepatobiliary, pancreatic and gastric function, over which it also exerts an antispastic action.

**Vitamin PP:** important enzymatic co-factor that promotes the physiological function of the gastric and intestinal mucosa.

## The active ingredients of the slow-release layer

Its special formulation makes this layer gastroresistant, allowing its ingredients to pass through the stomach unharmed to release them with a more effective action in the upper part of the intestine:

**Curcuma longa L. dry extract:** plant extract with potent antioxidant properties that is particularly useful for its protective action on the liver and bile ducts, whose function it promotes.

**Melon superoxide dismutase (SOD):** ingredient with antioxidant properties.

## The ADVANTAGES of Enzyformula

- Complete, specific blend of digestive enzymes and plant ingredients
- Controlled, gastroresistant release to optimise the action of components according to correct digestive chronophysiology
- Quick and prolonged action
- High compliance
- Gluten-free

## Fields of application

- Digestive problems secondary to reduced enzyme secretion: abdominal heaviness, abdominal bloating, post-prandial drowsiness, postprandial headache.
- Poor digestion of: lactose (milk, yogurt, cheese and other dairy products), complex proteins (meat, casein), fibers-rich vegetable products, fat-rich foods
- Dysbiosis and malabsorption syndromes
- Overweight and obesity
- Hepatopancreatic protection.

## Ingredients

Bulking agent: microcrystalline cellulose, calcium phosphates, Maltodextrin, Stonebreaker (*Phyllanthus niruri* L.) grass standardized dry extract, enzyme combination (amylase, lactase, lipase and cellulase), Fumitory (*Fumaria officinalis* L.) grass and flowers dry extract, fatty acids, Bromelain, Papain, Turmeric (*Curcuma longa* L.) rhizome standardized dry extract, Anti-caking agents: cross-linked sodium carboxymethyl cellulose, silicon dioxide, magnesium salts of fatty acids, talc, Vitamin PP (Niacin), Coating agents: Hydroxypropyl cellulose, carnauba wax, Superoxide dismutase (SOD), Sweetener: sucralose.

## Directions

2 tablets daily are recommended. Swallow 1 tablet with a glass of water right before or after the 2 main meals.

## Packaging

20 x 1.18 swallowable tablets  
Net weight 23.6 g

## Warnings and precautions

Do not exceed the stated recommended daily dose. Store the product in a cool and dry place and protect from light and heat sources. The expiry date refers to a product correctly stored in its original and undamaged packaging. Keep out of the reach of young children. Food supplements should not be used as a substitute for a varied diet and a healthy lifestyle.

## Nutrition facts

	per 100 g	per daily dose 2 tablets	%NRV*
Energy	305.1 kcal	7.20 kcal	
	1279.7 kJ	30.20 kJ	
Protein	6.8 g	0.16 g	
Carbohydrate	37.9 g	0.90 g	
of which sugars	25.42 g	0.60 g	
Fat	8.0 g	0.18 g	
of which saturated fatty acids	7.42 g	0.175 g	
Salt	0.5 g	0.118 g	
Stonebreaker ( <i>Phyllanthus niruri</i> L., herba) standardized dry extract	16949.15 mg	400 mg	
Enzyme blend (amylase, lactase, lipase, cellulase)	874.58 mg	200mg	
Fumitory ( <i>Fumaria officinalis</i> L., herba c. floribus) standardized dry extract	874.58 mg	200 mg	
Bromelain	4237.29 mg	100 mg	
Papain	4237.29 mg	100 mg	
Vitamin PP (Niacin)	1525.42 mg	36 mg	225
Turmeric ( <i>Curcuma longa</i> L., rhizoma) standardized dry extract	3389.83 mg	80 mg	
Superoxide dismutase (SOD)	423.73 mg	10 mg	

\*NRV: Nutrient Reference Values

## Most common combinations

Enzyformula + Colostroni: malabsorption syndromes.

Enzyformula + Proflora: dysbiosis

Enzyformula + Epatoguna: control of dyspepsia symptoms and food intolerances.

# • EPATOGUNA

Epatoguna is a food supplement with freeze-dried liver, Choline and Green Tea. Choline helps to maintain normal liver function and physiological fat metabolism. Green tea (*Camellia sinensis*) is antioxidant and contributes to normal liver function.

## When to use

The liver is one of the most complex organs of our body. It produces bile acids, which is essential for the digestion of lipids, it is a main storage site for Iron, Vitamin B12 and Copper, it has an extraordinary ability to filter and eliminate toxic and food waste.

Unbalanced diet with an excessive intake of fats and sugars, disorderly lifestyle, overweight and obesity, metabolic syndrome, alcohol abuse, inappropriate medication use, can affect the state of health of the liver and cause digestion disorders, debilitation, alteration of the parameters of liver functionality (Transaminase) and also lead to a slowdown of its physiological functions and regeneration capabilities.

Thanks to the most advanced nutraceutical research, Guna has designed Epatoguna, an innovative and cutting-edge food supplement in the form of controlled-release "gastro-protected" tablets which, along with a healthy lifestyle, helps support and reactivate the normal hepatic function.

## How it works

Epatoguna action is due to its components.

**Freeze-dried pig liver "Neorland"**: it is produced through an exclusive, controlled process which allows a higher bioavailability of the specific natural nutrients such as vitamin pool (especially rich in B group Vitamins), minerals such as Iron, and essential amino acids which are useful to support and regulate liver metabolic and regeneration processes.

**Choline**: this essential nutrient plays a fundamental role for the health of the organism. A great number of experimental studies show that a low-choline diet favours the storage of fats



in the liver, which leads to a sort of "metabolic stress" and reduces its physiological functionality. choline supplementation is useful to counteract the storage of fats in the liver and to support its correct functioning.

**Green tea (standardized to 95% Epigallocatechin-3-gallate)**: contains many beneficial components, among which the polyphenolic compounds called "catechins". Several studies have shown the particularly beneficial effects of Epigallocatechin-3-gallate, a catechin which is present in large quantities in Epatoguna. It has a positive effect on the metabolism of lipids and on the maintenance of body weight balance. A consumption of Epigallocatechin-3-gallate is recommended to support the physiological hepatic function.

## The ADVANTAGES

- Thanks to the special pharmaceutical form ("gastro-protected" tablet) the active ingredients of Epatoguna are protected by the action of gastric juices, fully released and promptly absorbed only in the upper intestinal tract for a faster and more effective action of the liver.
- Approved claim for liver function
- Unique with gastroresistant tablet: release targeted only at the lumen of the small intestine
- Not contraindicated during pregnancy and breastfeeding
- Easy to use
- Pleasant taste
- Free from gluten, lactose, sucrose, maltodextrins

## Ingredients

Bulking agent: microcrystalline cellulose; freeze-dried liver; choline bitartrate; fatty acids; anti-caking agents: silicon dioxide, cross-linked sodium carboxy methyl cellulose, magnesium salts of fatty acids, crospovidone, talc; Green tea (*Camellia sinensis* L. Kuntze) leaves dry extract standardized to 95% epigallocatechin gallate (ECGC); glazing agents: ethyl cellulose, carnauba wax; colour: iron oxides.

## Directions

Take 1 tablet of Epatoguna twice a day; swallow one tablet with some water.

## Packaging

32 x 1.125 g swallowable tablets  
Net weight: 36 g

## Warnings and precautions

Do not exceed the stated recommended daily dose. Store the product in a cool and dry place and protect from light.

The expiry date refers to a product correctly stored in its original and undamaged packaging. Keep out of the reach of young children. Food supplements should not be used as a substitute for a varied diet and a healthy lifestyle.

## Nutrition facts

	per 100 g	per sachet 2 tablets
Energy	361.1 kcal 1496 kJ	7 kcal 29 kJ
Fat	14.3 g	0.322 g
of which saturates	12.64 g	0.284 g
Carbohydrate	15 g	0.338 g
of which sugars	0.3 g	0.007 g
Protein (N X 6.25)	23 g	0.518 g
Salt	0.625 g	0.014 g
Freeze-dried liver	26.67 g	600 mg
Choline	7.33 g	165 mg
Green tea dry extract	1.78 g	40 mg
of which saturate	1.69 g	38 g

### Most common combinations

Epatoguna + Gunamino Formula: control of overweight patients affected by metabolic syndrome.

Epatoguna + Enzyformula: control of dyspepsia symptoms and food intolerances.

Epatoguna + Omega Formula: control of hypercholesterolemia and hyperhomocysteinemia in patients with metabolic syndrome.

# • FERROGUNA

Ferroguna is an orodispersible food supplement containing Iron, Copper, Vitamin C and dried baobab fruit flesh. Iron contributes to normal red blood cell and haemoglobin formation and helps to reduce asthenia. Vitamin C favours the absorption of Iron and Copper favours normal Iron transportation inside the body.

## When to use

Ferroguna is ideal for use in cases of:

- increased Iron requirements (pregnancy, breastfeeding, infancy, old age and sports) (1)
- reduced Iron absorption (dietary deficiency, intestinal diseases that impair the absorption of iron, vegetarian diet)
- increased physiological (menstruation) or pathological blood loss (gastritis and gastroduodenal ulcer, benign and malignant intestinal tumours, etc.).

## Iron deficiency symptoms

- Asthenia and fatigue
- Palpitations
- Headache
- Shortness of breath
- Pale skin
- Appearance of small ulcers in the corners of the mouth
- Burning sensation on the tongue and taste alteration

## Why Ferroguna

One sachet of Ferroguna contains an average of 14 mg of ferrous fumarate in its ionic ferrous state with a bioavailability of 30-35%, which is higher than any other dietary or pharmacological sources (which have a bioavailability of 5-20%).

One sachet of Ferroguna releases into the blood about **5 mg of iron**, i.e. a single sachet of Ferroguna



satisfies the recommended daily allowance of Iron in both physiological and special situations. The high bio-availability of Iron is guaranteed by the special characteristics of Ferroguna's formulation: indeed, the complementary and synergetic action of vitamin C and Copper serves to boost the absorption and metabolism of Iron.

With its very high bio-availability, which allows low doses, Ferroguna **does not cause the gastrointestinal side effects** observed with other supplements containing Iron.

## The ADVANTAGES

- High bio-availability of Iron
- Pleasant taste
- Excellent tolerability
- Gluten-free

## Ingredients

Sweetener: (corn) sorbitol; Baobab fruit flesh (*Adansonia digitata* L.), ferrous fumarate, L-ascorbic acid (vitamin C), acidity regulator: citric acid; natural flavouring, stabilizer: arabic gum; anticaking agent: silicon dioxide, sweetener: steviol glycosides; copper citrate.

(1) Roncuzzi A. et Al. – Efficacy and tolerability of FerroGUNA versus iron sulphate in the treatment of iron-deficiency anaemia in pregnancy: controlled non-inferiority study. *Giorn. It. Ost. Gin.* Vol XXXIV – no. 6 November – December 2012.

## Directions

Dissolve the content of the sachet directly in the mouth, without water.

**Children up to 12 years:** 1 sachet of orodispersible granules a day.

**Children over 12 and adults:** 1 to 2 sachets of orodispersible granules a day.

**Pregnancy and breastfeeding:** 2 sachets of orodispersible granules a day, unless advised otherwise by a doctor.

## Packaging

28 x 1.7 g sachets of orodispersible granules.  
Net weight 47.6 g

## Warnings and precautions

Store away from direct light, in a cool, dry place. The expiry date refers to the product correctly stored in its original and undamaged packaging. Keep out of the reach of young children.

The product contains sugar alcohols: excessive use may have laxative effects.

Do not exceed the stated recommended daily dose. Food supplements should not be used as a substitute for a varied diet and a healthy lifestyle

## Nutrition facts

	per 100 g	per sachet	%NRV* per sachet
Energy	276 kcal 1155 kJ	5 kcal 20 kJ	
Fat	0.23 g	-	
of which saturated fatty acids	-	-	
Carbohydrate	80.78 g	1.37 g	
of which sugars	13.84 g	0.24 g	
Protein	0.61 g	0.01 g	
Salt	0.02 g	-	
Iron	823.5 mg	14 mg	100
Copper	21.2 mg	0.36 mg	36
Vitamin C	1764.7 mg	30 mg	38
Baobab fruit pulp	38.2 g	650 mg	

\*NRV: Nutrient Reference Values

## Most common combinations

Ferroguna + Gunamino Formula: iron deficiency anemia with low hemoglobin values.

Ferroguna + Colostroni: iron deficiency secondary to malabsorption syndromes.

Ferroguna + Vit Formula: iron deficiency anemia along with vitamin deficiency.

# • GUNABASIC

Gunabasic is an original, synergic and complementary blend of mineral and plant extracts in a balanced concentration to avoid potential side effects. It contains phosphates, carbonates and citrates to cover the full range of buffer systems. It guarantees pH rebalance without unbalancing towards alkalinisation. It favours mineral rebalance. It has an anti-degenerative, anti-inflammatory, sedative and eupeptic action.

## Gunabasic is designed to favour:

- acid-base rebalance
- cell enzyme function support
- recovery of full cell membrane and extracellular matrix efficiency.

## Why Gunabasic

To combat metabolic acidosis through acid-base rebalancing, to provide the cells with substrates such as trace elements and minerals for their mineral and metabolic rebalancing, to counter inflammatory and chronic degenerative processes means putting the body into the ideal conditions for maintaining its homeostatic balance and therefore for good health and general wellness.

## How it works

### Mechanisms of action:

- it regenerates the buffer systems
- it alkalinises the extracellular matrix
- it optimises the intra and extra-cellular concentration gradient of hydrogen ions
- it improves cell membrane permeability
- it provides coenzymatic activity mineral supports for correct cell function
- it protects the tissues against the detrimental action of acids.

### Nutraceutical effects:

- it favours cellular detoxification
- it keeps the matrix intact
- it improves the cells' metabolic function
- it counteracts chronic inflammatory processes
- it counteracts tissue degeneration
- it favours remineralisation
- it favours digestion
- it facilitates the body's detoxification.



## Gunabasic active ingredients

**Bamboo Fiber:** bone mineralization, stimulating connective tissue function

**Nettle (*Urtica dioica*) root,** dry extract: anti-inflammatory, anti-allergic

**Carrot (*Daucus carota*) root,** dry extract, standardized to 1,8% beta-carotene. It contains:

**Vitamin A:** protection of epithelium and mucous membranes

**Lemon Balm (*Melissa officinalis*) leaves,** dry extract, standardized to 2% rosmarinic acid: soothing, calming, muscle relaxant

**Small-Leaved Linden (*Tilia cordata*)** dry extract: soothing, spasmolytic

**Bioflavonoids:** tonic for capillaries

**Fennel (*Foeniculum vulgare*) fruit,** dry extract, standardized to 1% essential oil: anti-flatulence, antispasmodic, mild laxative

**Dandelion (*Taraxacum officinale*) root,** dry extract: liver and kidneys drainage

**Magnesium Citrate:** alkalising

**Potassium Citrate:** electrolytic rebalancing effect

**Zinc Citrate:** alkalising, stimulating the immune system

**Copper Citrate:** alkalising, protecting the vessel walls

**Calcium Carbonate:** alkalising, anti-allergic

**Manganese Carbonate:** alkalising, tonic

**Selenium Methionine:** antioxidant, anti-degenerative

**Iron Phosphate:** stimulating the mitochondrion function

**Magnesium Oxide:** alkalising, antispasmodic

**Molybdenum (*Ammonium molybdenum*):** Anti-degenerative

## The ADVANTAGES

- Pleasant flavour
- Perfect solubility
- Lactose- and gluten-free

## Fields of application

- Acid-base rebalancing
- Extracellular matrix alkalisation
- De-acidification of the body
- Mineral rebalancing
- Drainage and detoxification
- Chronic inflammatory conditions
- Digestive difficulties
- States of nervous over-excitation
- Vague and poorly-defined symptoms.

## Directions

One sachet daily is recommended. Dissolve the content of one content of one sachet in half a glass of water preferably in the evening at bed time and between meals.

## Ingredients

Maltodextrin, Magnesium citrate, Potassium citrate, Calcium carbonate, Nettle (*Urtica dioica* L.) root dry extract, Carrot (*Daucus carota* L.) root dry extract standardized to 1.8% betacarotene, Lemon balm (*Melissa officinalis* L.) leaves dry extract standardized to 2% rosmarinic acid, Small-leaved linden (*Tilia cordata* Mill.) flowers dry extract, Fennel (*Foeniculum vulgare* Mill.) fruit dry extract standardized to 1% essential oil, Dandelion (*Taraxacum officinale* Web.) root dry extract, Magnesium oxide, sweetener: steviol glycosides; Iron phosphate, Zinc citrate, Silicon dioxide, Manganese carbonate, Bamboo fibers, Seleniomethionine, Copper citrate, Ammonium molybdate.

## Packaging

15 x 7g sachets - Net weight 105 g

## Warnings and precautions

Store the product in a cool and dry place and protect from light. The expiry date refers to the product correctly stored. Store away from direct light, in a cool, dry place. The expiry date refers to the product correctly stored in its original and undamaged packaging. Keep out of the reach of young children. Do not exceed the stated recommended daily dose. Food supplements should not be used as a substitute for a varied diet and a healthy lifestyle.

## Nutrition facts

	per 100 g	per sachet	%NRV*
Energy	275 kcal 1157 kJ	19 kcal 81 kJ	
Fat	0.40 g	0.03 g	
of which saturates	-	-	
Carbohydrate	57.18 g	4.00 g	
of which sugars	4.45 g	0.31 g	
Proteins	0.81 g	0.06 g	
Salt	0.19 g	0.01 g	
Potassium	4286 mg	300 mg	15
Calcium	3429 mg	240 mg	30
Magnesium	2143 mg	150 mg	40
Silicon	114 mg	8 mg	-
Zinc	107 mg	7.5 mg	75
Iron	100 mg	7 mg	50
Manganese	71 mg	5 mg	250
Copper	9 mg	0.6 mg	60
Molybdenum	714 mcg	50 mcg	100
Selenium	393 mcg	27.5 mcg	50
Beta-carotene	51 mg	3.6 mg	-
<b>Plant ingredients:</b>			
Nettle d.e.	2.857 g	200 mg	
Carrot d.e.	2.857 g	200 mg	
Lemon balm d.e.	0.057 g	4 mg	
of which rosmarinic acid	2.857 g	200 mg	
Small-leaved linden d.e.	2.857 g	200 mg	
Fennel d.e.	2.857 g	200 mg	
Dandelion d.e.	2.857 g	200 mg	

\* NRV: Nutrient Reference Values

## Most common combinations

Gunabasic + Gunabrain: basic treatment of chronic degenerative diseases affecting the CNS.

Gunabasic + Gunaelmint: to help the acid-base rebalancing and physiological drainage.

# • GUNABRAIN

Gunabrain is a food supplement containing Coenzyme Q10, Selenium, Manganese, N-acetylcysteine, green tea (*Camellia sinensis* L. Kuntze) and *Withania somnifera*, that has been specifically developed to counteract cerebral ageing and cognitive function deterioration, aid intellectual functions (for example when studying or working), support the body in situations of temporary cerebral stress and protect it from the damages caused by free radicals.

The ingredients of Gunabrain have been carefully selected and are present in specific, balanced quantities to provide a balanced intake and fully exploit the ingredients' bio-availability.

## When to use

Gunabrain exerts a dual function, while having two main areas of use.

**In physiological conditions, in children, adults and the elderly:**

- to slow cerebral ageing
- brain-boosting effect (support, reinforcement, boosting of memory and cognitive functions).

**In pathological conditions, in adults and the elderly and as add-on therapy in the prevention and treatment of degenerative neurological conditions:**

- Preventive treatment in subjects with a family history of Alzheimer's disease
- to slow down degenerative progression in subjects with Alzheimer's disease
- to restore memory function following TIAs (transient ischemic attacks).

## How it works

- It boosts memory and cognitive skill
- It counters cerebral ageing processes
- It favours the rapid recovery of mental efficiency after psychological or physical stress
- It slows down the progression of neurological conditions
- It counteracts free radicals on a cerebral and vascular level.

### Antioxidant action

NAC (N-acetyl cysteine), the main precursor of Glutathione, combines with Selenium to form



Glutathione Peroxidase, one of the most potent intracellular anti-free radicals.

By catalysing mitochondrial electron transport, **Coenzyme Q<sub>10</sub>** and **Manganese**, prevent the "energetic" formation of free radicals due to the early impact of the electron with the molecular oxygen. Lastly, thanks to the product's high concentration of trace elements such as Selenium and Zinc, **green tea** provides coenzymatic support for the function of the intracellular antioxidant systems (SOD, Catalase, Glutathione Peroxidase).

### Detoxifying action

In the liver, **NAC** has a filter action, whereas on a peripheral level it is able to chelate heavy metals.

### Vasodilating action

Together with nitric oxide, **NAC** exerts a significant vasodilating action on both a cerebral and a peripheral level.

### General cellular metabolism stimulation

Thanks to its direct action on the thyroid hormones and TSH, Selenium boosts baseline metabolism, lending greater tone to the whole body.

### Trophic action on the nerve structures

**Withania somnifera** has a known protective and conditioning action on axonal terminations and in particular on the hippocampus. It also exerts a significant modulation action on the enzyme Acetylcholinesterase, which boosts the transmission of nerve impulses (Acetylcholine) and the interneuronal communication.

## The ADVANTAGES

- Gluten and added sugar-free

## Fields of application

- Cases of intense mental activity due to **study, work, intellectual stress**
- For the prevention of **cognitive deterioration** during the initial or moderately advanced phase
- To aid cerebral function recovery following **TIA**s (transient ischemic attacks), due to an improvement in arterial microcirculation
- As specific protection against **the oxidative damage that causes the ageing of central nervous system cells.**

## Ingredients

N-acetylcysteine, bulking agent: microcrystalline cellulose; green tea (*Camellia sinensis* L. Kuntze) leaves d.e. std. 98% polyphenols (40% EGCG), Withania (*Withania somnifera* L. Dunal) root d.e., bulking agent: calcium phosphate; anti-caking agent: cross-linked sodium carboxymethylcellulose; coenzyme Q<sub>10</sub>, anti-caking agent: vegetable stearic acid; coating agent: hydroxypropylmethylcellulose; manganese carbonate, selenium-methionine, stabilizer: polyvinylpyrrolidone; anti-caking agent: silicon dioxide; colours: titanium dioxide, chlorophyllin-copper complex.

## Directions

The dose varies according to the level of cerebral stress.

**The recommended dose is one tablet a day. Higher doses can be taken if prescribed by a doctor.**

Tablets should be swallowed with a little water, preferably on an empty stomach.

## Warnings and precautions

Store the product in a cool and dry place and protect from light. The expiry date refers to the product correctly stored in its original and undamaged packaging. Do not exceed the stated recommended daily dose. Keep out of the reach of young children. Excessive consumption may produce laxative effects. Food supplements should not be used as a substitute for a varied diet and a healthy lifestyle.

## Nutrition facts

	per 100 g	per tablet	%NRV * per tablet
Energy	277 kcal 1157 kJ	2 kcal 10 kJ	
Fat	2.81 g	0.024 g	
of which saturates	2.23 g	0.019 g	
Carbohydrate	28.97 g	0.243 g	
of which sugars	0.54 g	0.005 g	
Proteins	18.55 g	0.156 g	
Salt	0.58 g	0.005 g	
Coenzyme Q10	2381 mg	20 mg	250
Manganese	595.2 mg	5 mg	91
Selenium	5952.4 mcg	50 mcg	
N-acetylcysteine	29.8 g	250 mg	
Green tea d.e.	11.9g	100 mg	
Withania somnifera d.e.	11.9 g	100 mg	

\* NRV: Nutrient Reference Values

## Packaging

30 x 0.84 g swallowable tablets  
Net weight: 25.2 g

## Most common combinations

Gunabrain + Omega Formula: control of memory and cognitive impairment in patients suffering from arteriosclerosis.

Gunabrain + Tonicoguna: chronic stress syndromes.

Gunabrain + Gunabasic: basic treatment of chronic degenerative diseases affecting the CNS.

# • GUNAELMINT

Guna's phytotherapy research has led to the development of Gunaelmint, a new natural coadjuvant against parasitic intestinal worm infestation. Gunaelmint is a latest generation food supplement containing Pumpkin seed, Myrrh and Turmeric extracts which, with their synergetic and complementary action, favour the intestine's depuration of environmental and dietary toxins and, above all, of intestinal parasites. Gunaelmint promotes kidney and liver function and the physiological immune defences, thanks to the special antioxidant properties of the herbal extracts.

Gunaelmint is recommended in cases of **intestinal parasitic infestation**:

- it favours the eradication of Helminths
- it prevents re-infestation
- it purifies the intestine
- it supports the immune system.

## Gunaelmint is effective against:

- *Enterobius vermicularis* (Nematodes - Oxyures)
- *Toxocara canis* (Nematodes - Ascaris)
- *Oesophagostomum* spp. (Nematodes - Strongyloides)
- *Raillietina* spp. (Platelminths - Cestodes)
- *Schistosoma* spp. (Platelminths - Trematodes)
- *Fasciola* spp. (Platelminths - Trematodes)
- *Heterophyes heterophyes* (Platelminths - Trematodes)
- *Tenia* spp. (Platelminths - Cestodes).

## How it works

Thanks to the synergetic action of its ingredients, Gunaelmint creates conditions that are particularly unfavourable to the establishment in the intestine of parasitic intestinal worms such as pinworms, roundworms, tapeworms and flukes, causing their paralysis and favouring their spontaneous eradication and the elimination of their toxins without side effects for the organism, simultaneously promoting a physiological immune response. Gunaelmint is active throughout the whole life-cycle of Helminths: infestation onset, development, reproduction, migration.



## Gunaelmint: the ingredients

### Pumpkin seeds dry extract (*Cucurbita pepo* L.)

Their natural extracts contain cucurbitin, a rare pyrrolizidine amino acid that creates unfavourable conditions for the establishment and survival of parasitic intestinal worms and their larvae. Cucurbitin also helps to paralyse Helminths and favours their physiological expulsion. These extracts also have purifying properties for the entire organism.

### Myrrh gum resin dry extract (*Commiphora myrrha* Nees)

Various studies suggest that its extracts are particularly unpleasant for helminths; it has also been observed that they perform an important support function for the immune system.

### Turmeric rhizome dry extract (*Curcuma longa* L.)

The extracts contain curcuminoids (cyclocurcumin, curcumin, demethoxycurcumin, bisdemethoxycurcumin), active ingredients that create conditions that are particularly unfavourable to the establishment of Helminths and support the immune system. Turmeric extracts also have antioxidant and liver-protecting properties.

## The ADVANTAGES

Helminths can easily establish in the intestine, from where they can migrate to other organs (liver, lungs, etc.). Despite remaining silent, they can cause significant alterations in intestinal function in particular and in the body in general, causing a vast range of disorders known as

"vague and undefined symptoms" that are often not related to intestinal parasite infestation, such as: constipation, diarrhoea, abdominal bloating, irritable colon, feeling of tiredness, irritability and difficulties falling asleep, reduced nutrient absorption, with a tendency to weight loss.

Children are particularly prone to contact with parasitic worms and their eggs and in turn they become a source of contagion for the adult family members they come into contact with.

In younger subjects, in particular following pin worm infestation, the cohort of symptoms is characterised by:

- anal itchiness
- restlessness and irritability
- tiredness
- insomnia
- abdominal pain
- urticaria and/or itchy skin
- appetite alterations.

## Ingredients

Maltodextrin, thickeners: acacia gum, xanthan gum; acidity regulator: citric acid; Pumpkin (*Cucurbita pepo* L.) seeds dry extract, flavouring, myrrh (*Commiphora myrrha* Nees) gum resin dry extract, Turmeric (*Curcuma longa* L.) rhizome dry extract, sweetener: sucralose.

## Directions

1 sachet 3 times a day for 5 days; after 15 days repeat with a second 5-day cycle. Dissolve the content of one sachet in a glass of water, stir and drink immediately.

## Packaging

30 x 4,2 g sachets - Net weight 126 g

## Warnings and precautions

Store the product in a cool and dry place and protect from light. The expiry date refers to the product correctly stored in its original and undamaged packaging. Do not exceed the stated recommended daily dose. Keep out of the reach of young children. Excessive consumption may produce laxative effects. Food supplements should not be used as a substitute for a varied diet and a healthy lifestyle.

## Nutrition facts

	per 100 g	per sachet
Energy	363 kcal 1540 kJ	46 kcal 194 kJ
Fat	0.07 g	0.01 g
of which saturates	-	-
Carbohydrate	85.87 g	10.82 g
of which sugars	5.43 g	0.68g
Proteins	0.56 g	0.07 g
Salt	0.52 g	0.07 g
Pumpkin d.e.	2.38 mg	300 mg
Myrrh d.e.	1.67 mg	210 mg
Turmeric d.e.	0.79 mg	100 mg

## Most common combinations

Gunaelmint + Colostroni: to recover the integrity and functionality of the gastrointestinal mucosa.

Gunaelmint + Proflora: to recover and restore the intestinal microflora.

Gunaelmint + Gunabasic: to help the acid-base rebalancing and physiological drainage.

# • GUNAMINO FORMULA

Gunamino Formula marked a turning point in the nutrition field, especially in weight management and clinical nutrition. The scientific history of essential amino acid identification started in 1820, with the discovery of Leucine and continued over the years up to a first important conclusion when, in 1974, the eighth essential amino acid was discovered by W. Rose.

It was then that specific research studies started to establish whether or not there was an ideal combination of specific essential amino acids for the human body. Today, almost two hundred years later, we are in possession of the amino acid profile specific to the human race, which was obtained by studying the relationship of mutual percentage prevalence of the 8 essential amino acids in a very high number of proteins. This knowledge formed the basis for Gunamino Formula, the food supplement containing the 8 essential amino acids in a balanced, ideal combination, specifically studied for use in humans.

## The characteristics of Gunamino Formula

Gunamino Formula amino acids are ultrapure, crystallised and of biotechnological origin.

The blend of the 8 essential amino acids is contained in a special proportional relationship, the only one that allows their optimal absorption and maximum use through the anabolic pathway. Amino acid metabolism is self-limiting, i.e. the 8 essential amino acids must be administered simultaneously and in a specific and unique qualitative and quantitative ratio to obtain optimum protein synthesis. The intracellular deficiency of one or more amino acids limits the use of the others, which reduces the protein synthesis rate and increases the production of nitrogen residues.



### Prevailing anabolism

- Optimal protein synthesis
- Minimum residual nitrogen
- No kidney overload
- Minimum calorie intake

Other amino acid combinations

### Prevailing catabolism

- Energy production
- Transformation and accumulation of amino acids in the form of fat or glycogen
- Production of nitrogenous waste

Gunamino Formula has an excellent safety profile. Only a very small percentage of amino acids follows the catabolic pathway, so that Gunamino Formula:

- Is absorbed within a few minutes, without digestive effort
- Does not produce nitrogenous waste and does not overload the kidneys and liver
- Provides a higher biological protein value than any other food, with the lowest weight and volume
- Provides a minimal calorie intake
- Moreover, it is GMO-free.

Gunamino Formula boasts the highest biological value of protein (BVP), defined as the relationship between withheld and absorbed Nitrogen. The BVP represents the index of nobility of a protein and indicates the nutritional capacity of a protein food or blend of amino acids.

## Fields of application

In Dietetics, Gunamino Formula offers unique opportunities, as it allows to reduce fat mass and simultaneously feed lean mass, with a minimal calorie intake. The requisite for weight loss (i.e. in order to obtain a negative energy balance) is perfectly satisfied by Gunamino Formula, which makes it possible to lower the dietary calorie regimen, forcing the body to use the fat mass as a source of energy, at the same time preventing it from attacking the lean mass, which is perfectly nourished by the special blend of amino acids.

The use of Gunamino Formula during weight loss allows to achieve the following results:

- Reducing fat mass
- Protecting the lean mass
- Firming the tissues
- Controlling hunger
- Avoiding the yo-yo effect.

Gunamino Formula is ideal in Clinical Nutrition, both as a tool for primary prevention and for complementary treatment of many medical conditions, particularly chronic-degenerative ones.



Gunamino Formula's unique characteristics guarantee ideal nutritional conditions in chronic or debilitated patients. Some of the medical conditions Gunamino Formula can be used for include: anaemia, inflammatory bowel diseases, malnutrition, foetal hyposomia, metabolic syndrome, chronic renal insufficiency, ageing.

It guarantees:

- Fast and complete intestinal absorption (with almost no consequent digestive effort)
- The extremely reduced production of nitrogenous waste (without a consequent renal overload)
- A reduction in catabolic processes, with a reduction in the impoverishment of the protein make-up (hormones, cytokines, neuropeptides, as well as muscle and bone mass)
- The maximisation of protein synthesis (with a general benefit for the patient's strength).

## Directions

**Sachets:** dissolve the content of one sachet in a glass of water (200 ml) or another drink, and stir well.

**Tablets:** swallow tablets with a little water.

## Ingredients

**Sachets:** Blend of essential amino acids (77%) (L-Leucine, L-Valine, L-Isoleucine, L-Lysine hydrochloride, L-Phenylalanine, L-Threonine, L-Methionine, L-Tryptophan), maltodextrins, acidity regulator: citric acid; flavouring, emulsifier: sucrose esters of fatty acids; sweetener: sucralose.

### Most common combinations

- Gunamino Formula + Omega Formula: Metabolic syndrome.
- Gunamino Formula + Ferroguna: Anemia with low hemoglobin values.
- Gunamino Formula + Vit Formula: Malnutrition with vitamin deficiencies.
- Gunamino Formula + Colostroni: Inflammatory Bowel Disease.

**Tablets:** L-Leucine, L-Valine, L-Isoleucine, L-Lysine hydrochloride, L-Phenylalanine, L-Threonine, L-Methionine, L-Tryptophan, coating agents: hydroxypropyl methylcellulose, shellac, E472; bulking agent: microcrystalline cellulose; colouring: E171.

## Packaging

**Sachets:** 24 x 6.5 g sachets - Net weight 156 g  
42 x 6.5 g sachets - Net weight 273 g

**Tablets:** 50 x 1.01 g sachets - Net weight 156 g  
150 x 1.01 g sachets - Net weight 273 g

## Warnings and precautions

Store away from direct light, in a cool, dry place. The expiry date refers to the product correctly stored in its original and undamaged packaging. Do not exceed the stated recommended daily dose. Keep out of the reach of young children. Food supplements should not be considered as a substitute for a varied diet and a healthy lifestyle.

## Nutrition facts

	per sachet	per 5 tablets
Energy	107 kJ 25 kcal	85 kJ 20 kcal
Fat	0.03 g	0 g
of which saturates	0 g	0 g
Carbohydrate	1.05 g	0 g
of which sugars	0.09 g	0 g
Protein	0 g	0 g
Salt	0 g	0 g
L-Leucine	1000 mg	1000 mg
L-Valine	800 mg	800 mg
L-Isoleucine	750 mg	750 mg
L-Lysine	700 mg	700 mg
L-Phenylalanine	650 mg	650 mg
L-Threonine	550 mg	550 mg
L-Methionine	350 mg	350 mg
L-Tryptophan	200 mg	200 mg

# • GUNAMINO FORMULA SPORT

Gunamino Formula Sport is the balanced blend of essential amino acids, vitamins, magnesium and antioxidants specifically studied to meet the food supplementation needs of sports men and women. Gunamino Formula Sport combines the plastic activity of the amino acids (muscular strength, mass and resistance), the metabolic energetic function of group B vitamins, the promotion of muscular function of Magnesium and its ability to counteract the onset of muscle cramps and, above all, the antioxidant protection of Powergrape®, a special grape extract (standardized to 90% polyphenols) with a high capacity for free radical absorption.

## Gunamino Formula Sport:

- Maximises muscle strength, resistance and mass
- Improves athletic performance
- Accelerates recovery processes after intense training sessions and competitions
- Protects the body against oxidative stress.

## When to use

Adequate amino acid re-integration combined with a daily antioxidant intake are always fundamental for those practising sports. The power that a muscle can develop is fundamentally related to the number of fibres that contract inside it: the greater the number of these fibres, the greater the strength developed.

This is why muscles with a greater section, due to a greater number of fibres (hyperplasia) or, as often occurs, with thicker fibres (hypertrophy), are able to express greater strength. The increase in muscle mass is a fundamental element for the development of power.

When an intense physical effort is demanded of the muscle (strength exercises are those that develop muscle mass), the body, through the central and peripheral nervous system, implements an adaptation response to the stress that causes the muscle on the one hand to repair the damage to its structure (anti-catabolic phase) and, on the other, to increase its volume to adjust to the increased need (anabolic phase).

(2) Lafay S. et Al. - Grape extract improves antioxidant status and physical performance in elite male athletes – *Journal of Sports Science and medicine* (2009) 8, 468-480



However, an increase in muscle mass means an increase in protein synthesis: once protein neo-synthesis has been stimulated, the units used to build these new proteins – the amino acids – must be available.

## How it works

**Amino acids:** the human amino acid profile is very precise and unique. Only the ideal qualitative and quantitative amino acid composition can guarantee their maximum absorption.

Thanks to its special balance of the 8 essential amino acids, Gunamino Formula Sport:

- guarantees a minimal nitrogen residue
- is rapidly absorbed in just a few minutes
- does not overload kidney and liver function
- provides, with the lowest weight and volume, a greater protein value than any other nourishment.

**Antioxidants (Powergrape®):** intense or prolonged athletic performances generate high oxidative stress, which leads to over-oxidation of the cell structures. This can lead to muscle damage, cramps, fatigue and slower recovery. The balance between oxidative stress and oxidising systems must be restored through appropriate food supplementation. Powergrape® has potent antioxidant properties, especially against the free radicals produced during athletic performance.

Powergrape® protects the body against the

oxidative stress caused by sports activity and prevents the damage caused by the free radicals produced during muscular effort.

Clinical studies<sup>(2)</sup> show that Powergrape®:

- improves athletic performance
- reduces the risk of muscle injuries
- increases cell oxygenation.

**Magnesium:** favours muscle function and reduces the onset of muscle cramps.

**B group vitamins:** boost the cell's energy metabolism (muscle fibre cells).

## Ingredients

Blend of essential amino acids (L-Leucine, L-Valine, L-Isoleucine, L-Lysine hydrochloride, L-Phenylalanine, L-Threonine, L-Methionine, L-Tryptophan), maltodextrin, acidity regulator: citric acid; magnesium oxide, Powergrape® (Vitis vinifera L. fruit dry extract), flavourings, emulsifier: sucrose esters of fatty acids; sweetener: sucralose; cyanocobalamin (vitamin B12), riboflavin-5-sodium phosphate (vitamin B2), pyridoxine hydrochloride (vitamin B6), thiamine hydrochloride (vitamin B1).

## Directions

The recommended dose is two sachets a day, to be taken before and after exercise. Dissolve the content of one sachet in a glass of water, fruit juice or other drink, and stir well.

## Packaging

24 x 7.5 g sachets - Net weight 180 g  
42 x 7.5 g sachets - Net weight 315 g

## Warnings and precautions

Store away from direct light, in a cool, dry place. The expiry date refers to the product correctly stored in its original and undamaged packaging. Food supplement should not be used as a substitute for a varied, balanced diet and a healthy lifestyle. Keep out of the reach and sight of young children. Do not exceed the stated recommended daily dose. Do not use in pregnancy nor in children or for prolonged periods.

## Nutrition facts

	per 100 g	per sachet	%NRV * per sachet
Energy	362 kcal 1540 kJ	27 kcal 116 kJ	
Fat	0.15 g	0.01 g	
of which saturates	-	-	
Carbohydrate	17.48 g	1.31 g	
of which sugars	1.28 g	0.10 g	
Proteins	-	-	
Salt	0.02	-	
L-Leucine	13.33 g	1000 mg	
L-Valine	10.67 g	800 mg	
L-Isoleucine	10.00 g	750 mg	
L-Lysine hydrochloride	9.33 g	700 mg	
L-Phenylalanine	8.67 g	650 mg	
L-Threonine	7.33 g	550 mg	
L-Methionine	4.67 g	350 mg	
L-Tryptophan	2.67 g	200 mg	
Magnesium	2000 mg	150 mg	40
Vitamin B2	18.67 mg	1.4 mg	100
Vitamin B6	18.67 mg	1.4 mg	100
Vitamin B1	14.67 mg	1.1 mg	100
Vitamin B12	33.33 mg	2.5 mcg	100
powergrape®	2.67 g	200 mg	

## Most common combinations

Gunamino Formula Sport + Vit Formula: supplementation of vitamins and minerals lost during intense sport activity.

Gunamino Formula Sport + Gunabasic: supplementation of vitamins and minerals and acid-base rebalancing after intense sport activity.

# • OMEGAFORMULA™

Omega Formula™ is a food supplement that, thanks to its specific synergetic formulation, helps to protect the cardiovascular system from the various risk factors.

Omega Formula™, containing red yeast rice standardized to Monacolin K (10 mg), micronised seeds of the Baobab fruit - *Adansonia digitata* L.- (containing Omega3-Omega6-Omega9 in a balanced ratio), Vitamin B6 and Folic Acid, is recommended in cases of: overweight, obesity, hypercholesterolaemia, hypertriglyceridaemia and hyperhomocysteinaemia secondary to dietary imbalance. Omega Formula™'s nutritional ingredients boast high bioavailability: as they pass through the stomach, its polyunsaturated fatty acids are protected naturally by the fibres contained in the Baobab seeds.

Omega Formula™ ingredients are not obtained from genetically-modified organisms (GMO-free) and they do not contain lactose.

## Why Omega Formula™

Regular use of Omega Formula™, combined with a balanced diet and a healthy lifestyle helps to:

- maintain the correct ratio between LDL and HDL cholesterol levels
- normalise the levels of triglycerides in the blood
- balance homocysteine levels.

## How it works

**Red yeast rice:** Is obtained from the natural fermentation of rice (*Oryza sativa* L.) with a yeast, *Monascus purpureus*, which produces Mevinoline and Monacolin K: these molecules have been seen to significantly favour the reduction in LDL cholesterol and triglyceride levels, without side effects. **Monacolin K** is a natural inhibitor of the enzyme **HMG-CoA reductase, which is responsible for the production of mevalonic acid**, a key reaction in the formation of endogenous cholesterol.

**Micronised Baobab fruit seed:** Thanks to the special production technique, it keeps it unaltered the fibre rich in **Omega3-Omega6-Omega9** and phytosterols. One of the most important



characteristics of Omega Formula™ is the amount of Omega6, which is involved in reducing the LDL/HDL ratio.

**Vitamin B6:** 30% of the elderly are vitamin B6-deficient and this deficiency is associated with an increased cardiovascular risk: the daily dose of Omega Formula™ **provides more than 200% of the recommended daily intake**, which helps to reduce cardiovascular risk factors.

**Folic acid:** Another important factor associated with cardiovascular risk is a rise in homocysteine levels: recent studies suggest that implementing the daily intake of folic acid through the diet and food supplementation has preventing effects. The daily dose of Omega Formula™ **provides 150% the recommended daily intake of Folic Acid.**

**Cocoa:** Given its polyphenol content, a cardiovascular protection action is attributed to cocoa extract.

## Ingredients

Sweetener: sorbitol (from corn or wheat); Baobab (*Adansonia digitata* L.) micronized seed, red yeast rice (*Monascus purpureus*) dry extract standardized to 1.5% monacolin K, maltodextrins, unsweetened cocoa powder, flavouring, anti-caking agents: silicon dioxide, sodium carboxymethylcellulose, vegetable magnesium stearate; sweetener: sucralose; pyridoxine hydrochloride (vitamin B6), pteroyl-monoglutamic acid (folate).

## Directions

The recommended dose is 3 chewable tablets a day, 1 during or after each meal, depending on diet. Tablets should be chewed. **The recommended daily dose for best results is 10 mg of Monacolin K from red yeast rice preparations, equal to 3 tablets a day.**

## Packaging

80 x 2 g chewable tablets - Net weight 160 g

## Warnings and precautions

Store away from direct light, in a cool, dry place. The expiry date refers to the product correctly stored in its original and undamaged packaging. Do not exceed the recommended daily dose. Keep out of the reach of young children. Food supplements should not be considered as a substitute for a varied diet and a healthy lifestyle. Excessive use may produce laxative effects. Ask your doctor for advice on using the product. Do not use during pregnancy, breastfeeding and treatment with lipid-lowering drugs.

## Nutrition facts

	per 100 g	Daily intake (3 chewable tablets)	%NRV * (3 chewable tablets)
Energy	316 kcal 1320 kJ	19 kcal 79 kJ	
Fat	8.27 g	0.50 g	
of which saturates	3.34 g	0.20 g	
Carbohydrate	65.83 g	3.95 g	
of which sugars	1.97 g	0.12 g	
Proteins	9.81 g	0.59 g	
Salt	0.30 g	0.02 g	
Baobab seed	25 g	1500 mg	
of which			
Omega 3	0.09 g	5.40 mg	
Omega 6	1.49 g	89.25 mg	
Omega 9	1.43 g	85.95 mg	
polyphenols	0.03 g	1.50 mg	
free sterols	0.09 g	5.10 mg	
Red yeast rice	11.11 g	666.66 mg	
of which monacolins	0.17 g	10 mg	3
Vitamin B6	50 mcg	3 mg	150
Folate	5000 mcg	300 mcg	

\* NRV: Nutrient Reference Values

## Most common combinations

Omega Formula + Gunamino Formula: body weight control.

Omega Formula + Vit Formula: diets deficient in essential nutrients.

# • OMEOTOXNONI

Omeotoxnoni is a food supplement available in both liquid and powder form, containing plant ingredients and developed to stimulate the body's natural defences and promote respiratory tract functionality.

## When to use

Omeotoxnoni is not only recommended in cases of productive cough with tracheobronchial involvement (a very common clinical situation amongst elderly patients), it is also a valid solution in conditions of asthenia secondary to inflammatory and infectious respiratory tract disorders: it speeds up recovery from symptoms, reducing convalescence times.

## How it works

Two fundamental nuclei can be identified in its composition.

**1st nucleus:** is constituted by 14 plant substances, selected according to synergy of action and complementarity principles, with specific tropism for the upper, middle and low airways and a vast spectrum of action:

- **anti-inflammatory**
- **mucolytic and mucoregulatory**
- **expectorant**
- **spasmolytic and bronchodilator**
- **emollient and soothing**
- **antibacterial.**

**2nd nucleus:** the "core" of Omeotoxnoni. The juice of *Morinda citrifolia* L. (Noni), native to Polynesia, which is present in the product in high concentrations, has an antibacterial, antiviral, antimycotic, antitumoural and, in general, immunostimulating action. *Morinda citrifolia* L. (Noni) is known to have tonic and restorative properties. Omeotoxnoni has a dual mechanism of action:

### Tonic – catalytic - immunostimulating action

*Morinda citrifolia* L. (Noni), thanks to its high content of pro-xeronine, which is transformed inside the body into the alkaloid xeronine, stimulates cell enzymatic activity (metabolic co-regulation action);



Noni also possesses immunostimulating and tonic properties.

## Support of the respiratory system

- **anti-inflammatory** action (Licorice, Yellow Startwort, Common Mallow, Propolis, English Plantain)
- **mucolytic** and **mucoregulatory** action (Yellow Startwort, Cowslip)
- **expectorant** action (Maidenhair Fern, Great Valley Gumweed, Cowslip, Tolu balsam)
- **spasmolytic** and **broncodilator** actions (Round-leaf Sundew, Curry Bush)
- **emollient** and **soothing** action (Common Mallow, English Plantain)
- **cough sedating** action (Maidenhair Fern, Round-leaf Sundew, Great Valley Gumweed, White horehound, Corn poppy, Tolu balsam)
- **antibacterial** action (Round-leaf Sundew, Great Valley Gumweed, Curry Bush, English Plantain, Cowslip, Propolis, Rosemary, Tolu balsam)

## Fields of application

- Non-sedative treatment of productive cough and natural defence stimulation
- Fluidification of bronchial secretions
- Co-adjutant in the treatment of acute and chronic tracheobronchitis.

## Ingredients

**Sachets:** Maltodextrin, Elecampane (*Inula helenium* L.) root and rhizome dry extract., Noni (*Morinda citrifolia* L.) powdered juice, Red poppy (*Papaver rhoeas* L.) flowers dry extract, Plantain (*Plantago lanceolata* L.) leaves dry extract, Rosemary (*Rosmarinus officinalis* L.) leaves dry extract, Grindelia (*Grindelia robusta* Nutt.) flowering tops dry extract, Mallow (*Malva sylvestris* L.) flowers and leaves dry extract, Primrose (*Primula veris* L.) flowers dry extract, Propolis (Propolis) extract standardized to 3% galangin, acidity regulator: citric acid; flavouring, Maidenhair (*Adiantum capillus-veneris* L.) plant dry extract., Round-leaved Sundew (*Drosera rotundifolia* L.) aerial parts dry extract, Liquorice (*Glycyrrhiza glabra* L.) root dry extract, Everlasting (*Helichrysum italicum* Don.) flowering tops dry extract, Black Horehound (*Ballota nigra* L.) flowering tops dry extract, sweetener: sucralose.

**Bottle:** Purified water, Noni (*Morinda Citrifolia* L.) juice, fructose, Elecampane (*Inula Helenium* L.) rhizome and roots HE\*, Mallow (*Malva Sylvestris* L.) leaves HE\*, Red poppy (*Papaver rhoeas* L.,) flowers HE\*, Rosemary (*Rosmarinus officinalis* L.,) young shoots glycerol extract, Tolù Balsam (*Myroxylon balsamum* (L.) Harms var. *balsamum*,) trunk bark HE\*, Plantain (*Plantago major* L.) leaves HE\*, Grindelia (*Grindelia robusta* Nutt.) herb with flowers HE\*, Primrose (*Primula veris* L.,) rhizome and roots HE\*, Maidenhair (*Adiantum capillus-veneris* L.,) herb HE\*, Round-leaved sundew (*Drosera rotundifolia* L.,) herb with flowers HE\*, Licorice (*Glycyrrhiza Glabra* L.,) root HE\*, Everlasting (*Helychrysum Stoechas* Moench.) top head HE\*, Horehound (*Marrubium vulgare* L.) herb with flowers HE\*, bulking agent: hypromellose, Propolis (Propolis) hydroglyceric extract, preservatives: potassium sorbate and sodium benzoate.

\*HE = Hydroacoholic extract. Tot. Alcohol 6% vol.

## Directions

**Sachets:** 1 sachet 2-3 times a day. Dissolve the content in a glass of warm or cold water.

**Bottle:** 1 measuring cup (10 ml) 2-3 times a day.

## Packaging

**Sachets:** 16 x 4.5 g sachets - Net weight 75 g

**Bottle:** 150 ml bottle with measuring cup and safety lock

## Warnings and precautions

Do not exceed the stated recommended daily dose (unless otherwise advised by your doctor). Keep out of the reach of young children. Store away from direct light, in a cool, dry place. The expiry date refers to the product correctly stored in its original and undamaged packaging. Food supplements should not be used as a substitute for a varied diet and a healthy lifestyle.

## Nutrition facts

	per 3 sachet	per 1 sachet	per 30 ml
Energy	50 kcal 213 kJ	17 kcal 71 kJ	25.51 kcal 107.73 kJ
Fat	0.019 g	0.006 g	0.018 g
Carbohydrate	12.262 g	4.087 g	4.737 g
Protein (N X 6.25)	0.020 g	0.077 g	0 g
Yellow startwort	1140 mg	380 mg	1.50 ml
Powdered noni juice	600 mg	200 mg	7.50 ml
Corn poppy d.e.	450 mg	150 mg	0.60 ml
English plantain d.e.	450 mg	150 mg	0.60 ml
Rosemary d.e.	450 mg	150 mg	0.60 ml
Great valley gumweed d.e.	360 mg	120 mg	0.45 ml
Common mallow d.e.	360 mg	120 mg	0.60 ml
Cowslip d.e.	360 mg	120 mg	0.45 ml
Propolis d.e.	360 mg	120 mg	0.15 ml
Maidenhair fern d.e.	225 mg	75 mg	0.30 ml
Round-leaf sundew d.e.	225 mg	75 mg	0.30 ml
Liquorice d.e.	225 mg	75 mg	0.30 ml
Curry bush d.e.	225 mg	75 mg	0.30 ml
Black horehound d.e.	225 mg	75 mg	0.30 ml
Tolu balsam*			0.60 ml

## Most common combinations

Omeotoxnoni + Colostrononi: improvement of immune defences.

# • PROFEM™

Specifically devised for female wellness, the formulation of Profem has been studied to optimise the bioavailability and absorption of its natural ingredients, such as isoflavones (79 mg per sachet) and the specific nutrients that favour a balanced gut flora.

## Why Profem™

The synergetic and complementary action of Profem™ is fortified by the presence of 6 "microencapsulated gastro-protected" lactic acid bacteria with a probiotic action. The use of this certified technique improves the survival capacity of all the probiotic bacteria during their gastroduodenal transit, to allow all the strains to reach the intestine alive and healthy. Here, the probiotic bacteria activate the isoflavones, making them more bioavailable.

## How it works

Profem™ has 4 nuclei with synergetic actions:

### 1<sup>st</sup> nucleus: the isoflavones pool

The core of Profem™ is the nucleus of isoflavones (79 mg per sachet), the most important category of natural phytoestrogens of plant origin, titrated and standardised.

Profem™ contains a unique pool of isoflavones in special proportional combination, which exerts an effective control action over even intense vasomotor symptoms (nocturnal perspiration, hot flushes, mood swings, etc.) that occur during the menopause.

The ingredients in the 1st nucleus are:

**Soy (Glycine max Merr.):** plant with a very high content of isoflavones (especially Genistein and Daidzein) with a hormonal-like action.

**Pueraria lobata Merr. (Kudzu):** contains Daidzein, Formononetin and Puerarin, which make it the ideal solution for controlling menopausal symptoms, for its action on the microcirculation and on physiological blood pressure.

**Red clover (Trifolium pratense L.):** leguminous plant with a very high content of isoflavones, readily



absorbable and highly bioavailable. In addition to targeting neurovegetative symptoms, it also has a cardiovascular and bone protection action.

### 2<sup>nd</sup> nucleus: green tea and melatonin

The presence of green tea in Profem™ guarantees a significant anti-ageing action, secondary to its antioxidant activity. **Green tea** also helps to maintain stable body weight.

**Melatonin** is known for its ability to rebalance the circadian rhythms and to maintain neurovegetative balance (particularly during the menopause).

### 3<sup>rd</sup> nucleus: 6 gastro-protected strains of probiotic bacteria

The gastro-protected microencapsulated probiotic bacteria reach the various parts of the intestine alive and viable, with five times the colonising ability of non-microencapsulated probiotic bacteria<sup>(3)</sup>, for the greatest possible availability of the isoflavones. The health of the gut flora is essential for the optimum absorption and biological activity of the isoflavones, as Daidzein and Genistein (Formononetin is demethylated to Daidzein by Lactobacilli glucosidase), are transformed into the active metabolite Equol.

### 4<sup>th</sup> nucleus: short-chain fructo-oligosaccharides (scFOS) with a specific prebiotic action

Obtained from sugar beet, they promote and selectively stimulate the development of the probiotic bacteria – Lactobacilli and Bifidobacteria - present in the gut microbiota: **ScFOS** play a positive role in the metabolism of carbohydrates and lipids, they improve intestinal mucosal function and favour the absorption of calcium and magnesium.

(3) Del Piano M. et Al. – Evaluation of the intestinal colonisation by microencapsulated probiotic bacteria in comparison with the same uncoated strains. *J. Clin Gastroenterol.* 2010 Sept; 44 Suppl. 1:S42-6. Double-blind study

## Who is Profem™ recommended for

Pre-menopausal, peri-menopausal and menopausal women, who do not wish to use or have contraindications for hormone replacement therapy or who prefer to use natural replacement options. Thanks to the presence of *Lactobacillus rhamnosus* LRO6 and *Lactobacillus plantarum* LPO2, able to produce coliform bacteria-limiting active substances (bacteriocins), it is particularly recommended even in subjects with frequent recurrent genito-urinary tract infections, caused by *Escherichia coli*.

## The ADVANTAGES of Profem™

- It provides isoflavones of natural origin and selected nutrients, for female psycho-physical wellness.
- The total isoflavone content is 79 mg for each daily dose (1 sachet)
- Gluten, lactose and glucose-free
- Its plant ingredients are not obtained from genetically-modified organisms (GMO-free)
- Presence of melatonin, which rebalances the neuroendocrine circuits and helps to fall asleep quickly.

## Directions

The recommended dose is one sachet a day, preferably between meals. Dissolve the content of the sachet in half a glass of water at room temperature, stir well and drink immediately.

## Ingredients

Sweetener: sorbitol; Fructo-oligosaccharides (FOS); Fructose; Soy (*Glycine max* L.) seeds - min. 10% isoflavones; Baked apple aroma; Green tea (*Camellia sinensis* L. Kuntze) leaves - min. 50% polyphenols; *Pueraria lobata* (*Pueraria lobata* Willd. Ohwi.) root - min. 40% isoflavones; Acidity regulator: citric acid;

micro-encapsulated probiotics: *Bifidobacterium lactis* BS01 (LMG P-21384), *Lactobacillus acidophilus* LA02 (DSM 21717), *Lactobacillus paracasei* LPC00 (LMG P-21380), *Lactobacillus plantarum* LPO2 (LMG P-21020), *Lactobacillus rhamnosus* LRO6 (DSM 21981), *Lactobacillus salivarius* LS03 (DSM 22776); Sweetener: sucralose; Clover (*Trifolium pratense* L.) leaves and flowers -min. 8% isoflavones; Melatonin. Anti-caking agent: silicon dioxide.

## Packaging

20 x 4.7 g sachets - Net weight 94 g

## Warnings and storage

Store the product in a cool and dry place, away from direct light, and at a temperature not exceeding 25°C. A minimum total probiotic bacteria content of 2 billion is guaranteed up to the expiry date indicated on the label, provided the product is stored in its original packaging at a temperature of no more than 25°C. The expiration date refers to the product correctly stored in its original and undamaged packaging. Do not use during pregnancy. Do not exceed the recommended daily dose. Keep out of the reach of young children. Food supplements should not be considered as a substitute for a varied diet and a healthy lifestyle. It contains soy derivatives. Excessive consumption may produce laxative effects.

## Nutrition facts

	per sachet	per 100 g
Energy	12.05 kcal 50.44 kJ	256.4 kcal 1.073.2 kJ
Fat	18 mg	0.38 g
of which saturates	8 mg	0.17 g
Carbohydrate	2425 mg	51.60 g
Of which sugars	1478 mg	31.45 g
Fiber	947 mg	20.15 g
Protein	148 mg	3.15 g
Salt	1.07 mg	0.023 g
<i>Bifidobacterium lactis</i> BS01	> 1.00 B*	> 21.3 B*
<i>Lactobacillus rhamnosus</i> LRO6	>0.25 B*	>5.3 B*
<i>Lactobacillus paracasei</i> LPC00	>0.25 B*	>5.3 B*
<i>Lactobacillus acidophilus</i> LA02	>0.25 B*	>5.3 B*
<i>Lactobacillus plantarum</i> LPO2	>0.25 B*	>5.3 B*
<i>Lactobacillus salivarius</i> LS03	>0.02 B*	>0.4 B*
Fructo-oligo-saccharides (FOS)	1000 mg	21.28 g
Soy extract	360 mg	7.66 g
of which isoflavones (standardized to 103.7 mg/g)	37.33 mg	0.79 g
Green tea extract (min. 50% polyphenols)	150 mg	3.19 g
<i>Pueraria lobata</i> extract	100 mg	2.13 g
of which isoflavones (standardized to 418.5 mg/g)	41.85 mg	0.89 g
Clover extract	5 mg	0.11 g
of which isoflavones (standardized to 89.9 mg/g)	0.45 mg	0.0096 g
Melatonin	1 mg	0.021 g

## Most common combinations

Profem + Colostroni: menopausal symptoms characterized by strong bowel dysfunction.

Profem + Vit Formula: menopausal symptoms characterized by vitamin and/ or mineral deficiency.

Profem + Gunamino Formula: menopausal symptoms accompanied by weight gain and loss of muscle tone.

Profem + Gunabasic: adjuvant treatment of osteoporosis.

# • PROFLORA™

Proflora™ is a synbiotic food supplement, made up of 6 different probiotic bacteria strains, in a gastro-protected, microencapsulated form, associated with prebiotic scFOS (short-chain fructooligosaccharides) fibres to rebalance the intestinal ecosystem.

## Why Proflora™

Proflora™ contains 6 probiotic bacteria strains in gastro-protected microencapsulated form. The special production process improves the survival capacity of all probiotic strains during gastroduodenal transit, allowing a colonization rate 5 times higher than obtained using non-microencapsulated strains.<sup>(4)</sup> **The probiotic component** belongs to the Bifidobacterium and Lactobacillus genera. They act in synergy for a colonisation of the various parts of the intestine (a phenomenon that lasts over time due to the strains' ability to adhere to the epithelial mucosa, due primarily to the presence of Lactobacillus salivarius LS03).

The 6 probiotic strains also include Lactobacillus rhamnosus LRO6 and Lactobacillus plantarum LPO2, both of which produce coliform bacteria-limiting active substances.

**The prebiotic component** is made up of fructooligosaccharides (FOS), which selectively stimulate the development of the probiotic strains present in Proflora™ and of all the groups of "beneficial" microbes of the autochthonous gut microbiota.

As they are not hydrolysed by the digestive enzymes nor absorbed by the mucosa of the small intestine, scFOS reach the colon intact, where they are selectively fermented by the beneficial component of the gut microbiota, particularly the Lactobacilli and Bifidobacteria. ScFOS also play a positive part in the metabolism of carbohydrates and lipids, they improve the structure of the intestinal mucosa, by supporting its "barrier effect" and favour the absorption of certain minerals, particularly calcium and magnesium.



## When to use

The intestinal mucosa's nutrient absorption function is accompanied by its immune function secondary to the antigenic stimulation generated by the introduction of food (with its microbial load) and by the presence of a varied flora (microbiota) of resident microorganisms that are attached to the walls or in transit.

It is estimated that approximately 98% of the general population suffers from dysbiosis: a severe impoverishment in the beneficial microbial species (dysbiosis) causes a series of dysfunctions.

The microbiota is essential for the correct function of the entire body:

- digestion of various dietary components
- production of trophic substances
- interaction with the immune system
- prevention of the development of pathogenic microbial species
- "barrier effect" that prevents the passage of potentially harmful elements.

## The ADVANTAGES

- Unique, innovative symbiotic product with 6 patented probiotic bacterial strains and ScFOS, with a proven synergetic prebiotic and probiotic action
- Proven high efficacy and vitality of the strains, fortified 5-fold, which favours rapid and long-lasting colonisation with a greater adhesion to the

<sup>(4)</sup> Del Piano M. et Al. – Evaluation of the intestinal colonisation by microencapsulated probiotic bacteria in comparison with the same uncoated strains. J. Clin Gastroenterol. 2010 Sept; 44 Suppl. 1:S42-6. Double-blind study

<sup>(5)</sup> Pursuant to applicable regulations: Directive 2007/68/EC, Legislative Decree no. 114/2006, Legislative Decree no. 178/2007 and subsequent amendments.

intestinal mucosa guaranteed by *Lactobacillus salivarius* LS03

- Ability to produce bacteriocins against *Escherichia coli*
- Over 2 billion bacteria/sachet
- Free of potential allergens (in particular cereals containing gluten, molluscs, crustaceans, eggs, fish, peanuts, soya, milk, nuts, celery, mustard, sesame seeds, lupin beans, sulphur dioxide and sulphites in concentrations exceeding 10 mg/kg or 10 mg/l expressed as SO<sub>2</sub>)<sup>(5)</sup>
- Also recommended for allergic subjects and those with dietary intolerances
- Completely unscented and flavourless
- High tolerability and compliance

## Fields of application

Complementary treatment of:

- Urogenital infections secondary to intestinal dysbiosis
- Irregular bowel movements with intestinal transit difficulties
- Digestive difficulties
- Irritable Bowel Disease
- Respiratory allergies
- Adverse reactions to food

## Ingredients

Fructo-oligosaccharides (FOS); Maltodextrin from potato; Gastro protected micro-encapsulated probiotics: *Bifido-bacterium lactis* BS01 (LMG P-21384), *Lactobacillus acidophilus* LA02 (DSM 21717), *Lactobacillus paracasei* LPC00 (LMG P-21380), *Lactobacillus plantarum* LPO2 (LMG P-21020), *Lactobacillus rhamnosus* LRO6 (DSM 21981), *Lactobacillus salivarius* LS03 (DSM 22776).  
Anti-caking agent:silicon dioxide.

## Directions

The recommended dose is 1 sachet a day, preferably half an hour before meals for at least 30 days.

## Most common combinations

**Proflora + Colostroni:** protection of the intestinal mucosa; supportive treatment of gastrointestinal disorders, respiratory allergies and acute and chronic cystitis.

**Proflora + Vit Formula:** vitamin and mineral malabsorption.

**Proflora + Ferroguna:** supportive treatment of iron deficiency anemia.

**Proflora and Gunaelmint:** recovery of the intestinal microflora to prevent or treat helminth infestation.

To dissolve the product completely, first place the content of the sachet in a glass, then half fill it with water or milk at room temperature. Stir well and drink immediately.

## Packaging

10 x 2.5 g sachets - Net weight 25 g  
30 x 2.5 g sachets - Net weight 75 g

## Warnings and storage

Keep in a dry place, away from direct light and at a temperature not exceeding 25°C. A sachet of Proflora™ guarantees an intake of no fewer than 2 billion alive probiotic cells. The probiotic bacteria content is guaranteed up to the expiry date indicated on the label, provided the product is stored in its original packaging at temperatures of no more than 25°C. Do not exceed the stated recommended daily dose. Food supplements should not be used as a substitute for a varied diet and a healthy lifestyle. Keep the product out of reach of young children. The expiry date refers to a product correctly stored in its original and undamaged packaging.

## Nutrition facts

	per sachet (2.5 g)	per 100 g
Energy	28.26 kJ 6.75 kcal	1130 kJ 270 kcal
Fat	17.6 mg	0.7 g
of which saturates	7.8 mg	0.31 g
Carbohydrate	2336.5 mg	93.46 g
of which sugars	958 mg	38.32 g
Fibre	1380 mg	55.20 g
Protein	2 mg	0.08 g
Salt	1 mg	0.04 g
• <i>Bifidobacterium lactis</i> BS01	> 1.00 B *	> 40 B *
• <i>Lactobacillus rhamnosus</i> LRO6	> 0.25 B *	> 10 B *
• <i>Lactobacillus paracasei</i> LPC00	> 0.25 B *	> 10 B *
• <i>Lactobacillus acidophilus</i> LA02	> 0.25 B *	> 10 B *
• <i>Lactobacillus plantarum</i> LPO2	> 0.25 B *	> 10 B *
• <i>Lactobacillus salivarius</i> LS03	> 0.02 B *	> 0.8 B *
Fructo-oligosaccharides FOS	1500 mg	60 g

The synergistic formulation of Profos™ was developed to provide complete, balanced supplementation of nutrients, minerals and plants needed to promote the recovery of joint function, of bone strength and plasticity and to maintain the skin's moisture, elasticity and firmness.

## The selected ingredients

**Sodium Hyaluronate (ExceptionHYAL®):** high purity hyaluronic acid salt of biotechnological origin, present in Profos™ at an optimum concentration for a deep natural protective action over the connective tissues. Hyaluronic acid is a substance that is naturally present in the body. However, its organic concentration tends to decline with age, causing progressive thinning and loss of elasticity, tone, resistance and function of the joints, bone and skin. Supplementation with ExceptionHYAL® is specifically recommended for its high gastrointestinal absorption and high bio-availability.

ExceptionHYAL® is actively absorbed and distributed to the tissues where it promotes the synthesis of hyaluronic acid, which exerts various beneficial effects: it helps to restore the viscous properties of synovial fluid and to counteract joint inflammatory processes, it stimulates the vitality of cartilage cells, it favours elasticity and skin moisture to prevent ageing processes.

**Vitamin A:** this vitamin is involved in a number of metabolic processes that are essential for the body; its properties make the balanced content of Profos™ ideal for the promotion of growth and regeneration of epithelial cells and consequently for the integrity of the skin.

**Magnesium:** an essential mineral for human nutrition involved in about three hundred biological reactions; Profos™' balanced magnesium content promotes bone tissue regeneration and prevents osteoporosis.

**Silicon:** a mineral contained in Profos™ in a highly bio-available form; it is present in the body particularly in connective tissue, bones, tendons and skin. It is essential for physiological repair and regeneration processes.

**Short-chain fructo-oligosaccharides (ScFOS):** natural plant fibre with a prebiotic action, it promotes the absorption of a great number of nutrients, including minerals such as magnesium and calcium, to the benefit of bone metabolism.

**Rosehip** dry extract **standardized to Vitamin C 50%:** the fruits are one of the richest sources of Vitamin C and bioflavonoids, with important antioxidant properties for the prevention of skin ageing processes and stimulation of its natural repair processes. Vitamin C is essential for the metabolism of collagen fibres, helping to lend the dermis greater firmness and the joint structures such as tendons and ligaments greater strength.

**Fennel, Witch hazel, Mallow** and **Griffonia:** the action of their plant extracts improves the general conditions of the intestinal mucosa, to facilitate the absorption of other Profos™ ingredients, thanks to their specific balanced proportions.

## The ADVANTAGES

- ExceptionHYAL®: high-dose (100mg/sachet) hyaluronic acid plant polymer, constituted by a selected blend of medium and high molecular weight hyaluronic acid, for the greatest bio-availability and activity: moisturising of the intestinal mucosa, absorption and distribution to the connective tissues
- High quality hyaluronic acid
- Balanced blend of Magnesium and Silicon in bioavailable form
- Selected blend of carefully chosen plant ingredients and natural fibres (ScFOS)
- High tolerability profile
- Not contraindicated during pregnancy
- Free of lactose, fats and ingredients obtained from genetically-modified organisms (GMO-free)

## Fields of application and posology

- **Musculoskeletal** system: promotes joint and bone function. Take 1 to 2 sachets a day depending on symptoms; for best results use for at least 2 months.



- **Integumentary system:** promotes the tone of the skin's connective structures (dermis). Take 2 sachets a days in situations requiring promotion of dermal metabolism (for example after aesthetic treatments) for 15 days; for best results, continue taking one sachet a day for at least 2 months.

## Ingredients

Fructo-oligosaccharides, maltodextrins, thickeners: acacia gum, xanthan gum; Fennel (*Foeniculum vulgare* Mill.) fruit d.e. standardized to 1% essential oil, Witch Hazel (*Hamamelis virginiana* L.) leaves d.e. standardized to 10% tannins, Mallow (*Malva sylvestris* L.) flower and leaf d.e., flavourings, Dog-Rose hips (*Rosa canina* L.) fruit d.e. standardized to 50% Vitamin C, Sodium Hyaluronate, anticaking agent: Vegetable Stearic Acid, Griffonia (*Griffonia simplicifolia* (DC.) Baill.) seeds d.e. standardized to 99% 5-Hydroxytryptophan, Silicon dioxide, Emulsifier: Sucrose esters of fatty acids; sweetener: Sucralose; Retinyl Palmitate (Vitamin A).

## Directions

Take 1 – 2 sachets a day; pour the content of one sachet into a glass with a very small amount of water and stir immediately until completely dispersed, then add another 100 – 150 ml of water and stir to obtain even dispersion. Incomplete dispersion in the water does not indicate an alteration of the product and is due to the presence of sodium hyaluronate. For best results, take Profos™ one hour before meals.

## Most common combinations

- Profos + Gunabasic: supportive treatment of metabolic bone disorders.
- Profos + Gunamino Formula: supportive treatment of musculoskeletal rehabilitation after bone and joint injuries.
- Profos + Profem: supportive antiaging treatment for menopausal women.

## Packaging

- 10 x 5.1 g sachets - Net weight 51 g
- 30 x 5.1 g sachets - Net weight 153 g

## Warnings and precautions

Store the product in a cool and dry place and protect from light. The expiry date refers to a product correctly stored in its original and undamaged packaging. Do not exceed the stated recommended daily dose. Keep out of the reach of young children. Food supplements should not be used as a substitute for a varied diet and a healthy lifestyle.

## Nutrition facts

	per 100 g	per sachet	%NRV* per sachet
Energy	345 kcal 1462 kJ	18 kcal 75 kJ	
Fat	0.26 g	0.01 g	
of which saturates	0.13 g	0.01 g	
Carbohydrate	80.01 g	4.08 g	
of which sugars	4.96 g	0.25 g	
Protein	1.56 g	0.08 g	
Salt	0.58 g	0.03 g	
Fructo-oligosaccharides	49.02 g	2500 mg	
Sodium Hyaluronate	1.96 g	100 mg	
Vitamin A	9412 mcg	480 mcg	60
Magnesium	2941 mg	150 mg	40
Silicium	314 mg	16 mg	
Fennel d.e.	3.922 g	200 mg	
Witch Hazel d.e.	3.922 g	200 mg	
Mallow d.e.	3.922 g	200 mg	
Dog-Rose hips d.e.	1.882 g	96 mg	
Griffonia d.e.	0.784 g	40 mg	

# • TONICOGUNA

The combination of Polynesian and European phytotherapeutic knowledge led to the creation of Tonicoguna, a food supplement containing active ingredients of plant origin, formulated to support the body in situations of weakness, asthenia, physical and mental exhaustion, convalescence, stress and, more generally, all those conditions in which drive and energy are required.

## How it works

Tonicoguna contains 5 synergistic and complementary active ingredients to boost the organism as a mind-body whole through gentle, balanced, stimulation of the entire Psycho-Neuro-Endocrino-Immunological axis. Tonicoguna's key ingredient is the juice of *Morinda citrifolia* L. (Noni), which is present in the product in a high concentration. The Noni juice used in Tonicoguna is of protected designation origin, originating from Tahiti and authorised pursuant to EC Regulation 258/97.

The efficacy of Noni has been demonstrated in a number of studies that have shown its juice to contain a high concentration of the precursor of the alkaloid Xeronine, which exerts a potent catalysing action on protein synthesis, metabolism and cell mitosis and that is able to activate endocrine function and the immune system, improve endorphin receptor capacity and, therefore, boasts powerful anti-asthenic, anti-stress and anti-ageing activity. Noni's broad-spectrum stimulation action is further boosted by the individual actions of the other plant extracts, each one with specific organic tropism.

## The ADVANTAGES

- Gluten, lactose and glucose-free
- Noni juice from Tahiti, with protected designation of origin

## Ingredients

Water, Noni (*Morinda citrifolia* L.) juice, fructose, Siberian ginseng (*Eleutherococcus senticosus* Maxim.) root fluid extract, Blackcurrant (*Ribes*



*nigrum* L.) buds glycerine macerate, Rosemary (*Rosmarinus officinalis* L.) young shoots glycerine macerate, Great yellow gentian (*Gentiana lutea* L.) root fluid extract, Ginkgo biloba (*Ginkgo biloba* L.) leaf fluid extract., Ginseng (*Panax ginseng* CA Meyer) root fluid extract, St. John's wort (*Hypericum perforatum* L.) herb and flowers fluid extract, Lemon balm (*Melissa officinalis* L.) leaf fluid extract, orange juice, thickening agent: hydroxypropyl methylcellulose. Natural orange flavor. Preservatives: sodium benzoate, potassium sorbate.

Plant extract	Main organotropism	Action
<i>Morinda citrifolia</i> (Noni)	Cell	<ul style="list-style-type: none"> <li>• Anti-asthenic, anti-stress, anti-ageing.</li> <li>• Stimulation of cell metabolism.</li> </ul>
<i>Eleutherococcus senticosus</i>	Adrenal glands	<ul style="list-style-type: none"> <li>• Stimulation of general wellness</li> <li>• Increased physical and mental efficiency.</li> </ul>
<i>Ginkgo biloba</i>	Cell membranes, microcirculation, adrenal glands	<ul style="list-style-type: none"> <li>• Antioxidant and adrenergic action..</li> <li>• Increased physical and mental efficiency.</li> </ul>
<i>Ginseng (Panax Ginseng)</i>	Anterior pituitary gland	<ul style="list-style-type: none"> <li>• Antioxidant action.</li> <li>• Increased mental and physical performance.</li> </ul>
<i>Ribes nigrum</i>	Adrenal glands and Immune System	<ul style="list-style-type: none"> <li>• Helps relieve tiredness.</li> </ul>
<i>Hypericum perforatum</i>	Central Nervous System	<ul style="list-style-type: none"> <li>• Rebalancing of mood.</li> </ul>
<i>Gentiana lutea</i>	Digestive System	<ul style="list-style-type: none"> <li>• Appetite stimulation by reflex action on the taste buds with increased gastric and salivary secretion.</li> <li>• Helps relieve tiredness.</li> </ul>
<i>Rosmarinus officinalis</i>	Digestive System, Adrenal glands and Central Nervous System	<ul style="list-style-type: none"> <li>• Nerve stimulation.</li> <li>• Improved memory and cognitive abilities.</li> <li>• Antioxidant action.</li> </ul>
<i>Melissa officinalis</i>	Central Nervous System	<ul style="list-style-type: none"> <li>• Rebalancing of mood.</li> </ul>

## Fields of application

Debilitation syndrome, asthenia, chronic fatigue, physical and mental exhaustion, convalescence, stress, loss of appetite, mental overexertion (studying, work commitments, etc.). The daily dose contains 2.6 mcg of Hypericin.

## Directions

The recommended dose is 20 ml a day, taken as a single administration (preferably in the morning) or as 2 separate administrations, using the measuring cup. It can be taken as is or diluted in water.

## Packaging

**Bottle:** 150 ml bottle with measuring cup and safety lock.

## Warnings and precautions

Do not exceed the recommended daily dose. Keep out of the reach of young children. Tonicoguna contains *Ginkgo biloba*: consult your doctor before taking the product in case of concomitant therapy with anticoagulant drugs or antiplatelet drugs. The use of the product is not recommended during pregnancy and breastfeeding. In case of concomitant drug therapy seek the advice of your doctor before using this product because hypericum extract may interfere with the metabolism of these drugs by inhibiting their activity. St. John's wort extract is contraindicated in children and teen-agers. Store product in a cool, dry place and protect from direct light. The expiry date refers to a product correctly stored in its original and undamaged packaging. Food supplements should not be used as a substitute for a varied diet and a healthy lifestyle.

## Nutrition facts

	per 100 g	per sachet	%NRV* per sachet
Energy	345 kcal 1462 kJ	18 kcal 75 kJ	
Fat	0.26 g	0.01 g	
of which saturates	0.13 g	0.01 g	
Carbohydrate	80.01 g	4.08 g	
of which sugars	4.96 g	0.25 g	
Protein	1.56 g	0.08 g	
Salt	0.58 g	0.03 g	
Fructo-oligosaccharides	49.02 g	2500 mg	
Sodium Hyaluronate	1.96 g	100 mg	
Vitamin A	9412 mcg	480 mcg	60
Magnesium	2941 mg	150 mg	40
Silicium	314 mg	16 mg	
Fennel d.e.	3.922 g	200 mg	
Witch Hazel d.e.	3.922 g	200 mg	
Mallow d.e.	3.922 g	200 mg	
Dog-Rose hips d.e.	1.882 g	96 mg	
Griffonia d.e.	0.784 g	40 mg	

## Most common combinations

Tonicoguna + Vit Formula: supportive treatment of stress and chronic fatigue syndrome.

# • VIT FORMULA™

Vit Formula™ is a complete food supplement containing vitamins, minerals and trace elements to satisfy the body's requirements.

## Why Vit Formula™

The orosoluble formula makes the product easy to take under all circumstances (when travelling, at work or at school) and rapidly absorbed.

Vit Formula™ is ideal in terms of completeness: it contains all the vitamins, minerals and trace elements that are essential for the body, as well as a number of amino acids.

Vit Formula™ is ideal in terms of quality: it contains good quality vitamins, minerals and trace elements.

Vit Formula™ is ideal in terms of formulation: its composition is specially balanced to meet the body's needs.

Vit Formula™ is the ideal complement to Gunamino Formula for guaranteeing optimum protein synthesis.

## Fields of application

- Primary and secondary vitamin deficiencies.
- Support to and supplementation of Gunamino Formula.

## Ingredients

Sweetener: sorbitol; choline bitartate, calcium carbonate, inositol, magnesium oxide, anti-caking agent: talc; sucrose, flavourings, L-methionine, L-ascorbic acid (vitamin C), acidity regulator: citric acid; maltodextrin, zinc citrate, ferrous fumarate, nicotinamide (vitamin PP), DL-alpha-tocopheryl acetate (vitamin E), manganese carbonate, calcium D-pantothenate (pantothenic acid), retinyl acetate (vitamin A), sweetener: sucralose; copper citrate, riboflavin (vitamin B2), cholecalciferol (vitamin D3), sodium fluoride, pyridoxine hydrochloride (vitamin B6), phyloquinone (vitamin K1), thiamine mononitrate (vitamin B1), cyanocobalamin (vitamin B12), potassium iodide, sodium selenite, pteroyl-monoglutamic acid (folic acid), D-biotin (Vitamin H).



## Directions

The recommended dose is 1 sachet of orodispersible granules a day; dissolve the contents of the sachet directly in the mouth, without water.

## Packaging

32 x 2.5 g sachets of orodispersible granules.  
Net weight 80 g.

## Warnings and precautions

Keep the product in cool and dry place, and protected from direct sunlight. The expiry date refers to a correctly stored product in its original and undamaged packaging. Keep out of reach of children under 3 years of age. Do not exceed the RDA. The product contains polyalcohols: an excessive intake may have laxative effects. Food supplements should not be used as a substitute for a varied and balanced diet and a healthy lifestyle.

## Nutrition facts

	Per 100 g	Daily intake (1 sachet)	%NRV* (1 sachet)
Energy	236 kcal 989 kJ	6 kcal 25 kJ	
Fat	0.24 g	0.01 g	
of which saturates	-	-	
Carbohydrate	58.30 g	1.46 g	
of which sugars	3.34 g	0.08 g	
Protein	7.25 g	0.18 g	
Salt	0.09 g	-	
Vitamin C	2000 mg	50 mg	63
Vitamin PP	160 mg	4 mg	25
Panhotenic acid	84 mg	2.1 mg	35
Vitamin E	72 mg	1.8 mg	15
Vitamin B2	15.2 mg	0.38 mg	27
Vitamin A	10000 mcg	250 mcg	31
Vitamin B6	9.2 mg	0.23 mg	16
Vitamin B1	6.6 mg	0.165 mg	15
Folate	2200 mcg	55 mcg	28
Vitamin K	1400 mcg	35 mcg	47
Biotin	840 mcg	21 mcg	42
Vitamin D	100 mcg	2.5 mcg	50
Vitamin B12	15 mcg	0.375 mcg	15
Calcium	6000 mg	150 mg	19
Magnesium	3000 mg	75 mg	20
Zinc	500 mg	12.5 mg	125
Iron	160 mg	4 mg	29
Manganese	80 mg	2 mg	100
Fluoride	21 mg	0.525 mg	15
Copper	20 mg	0.5 mg	50
Iodine	2560 mcg	64 mcg	43
Selenium	1320 mcg	33 mcg	60
Choline	6.0 g	150 mg	
Inositol	5.2 g	130 mg	
Methionine	2.4 g	60 mg	

### Most common combinations

**Tonicoguna + Vit Formula:** Supportive treatment of stress and chronic fatigue syndrome.

**Proflora + Vit Formula:** Vitamin and mineral malabsorption.

**Gunamino Formula Sport + Vit Formula:** Supplementation of vitamins and minerals lost during intense sport activity.

**Gunamino Formula + Vit Formula:** Malnutrition with vitamin deficiencies.



**Dermocosmeceuticals**

Guna dermocosmeceuticals have derma-restorative, regenerative and rebalancing properties, specific for the face and as well as for the body. Suitable for sensitive and irritable skin. The most recent Guna research has conceived several unique and innovative dermo-cosmeceutic formulations, natural-based and designed according to the most modern safety guidelines.

## • TAMANU ARNICA™

**Tamanu Arnica™** is a soothing and emollient cream with plant extracts for very dry and irritated skin. It can be applied after exposure to sun, wind and cold, giving the skin a sense of relief and wellbeing.

### KEY INGREDIENTS:

[Arnica montana flower extract](#): renowned for its beneficial action after injuries of various origin.

[Calendula officinalis flower extract](#): renowned for its soothing properties.

[Nymphaea alba flower extract](#): with well known capabilities of repairing skin damage.

[Tamanu \(Caulophyllum tacamahaca\) oil](#): has outstanding soothing softening, protective properties and supports the repair processes of the skin.

[Gardenia thaitensis flower extract](#): it is the emblem of Tahiti and it is considered as the flower of beauty par excellence, has been used for centuries for very dry and chapped skin.

**INGREDIENTS:** Aqua/Water, Elixanthus annuus seed oil, polyglyceryl-3 dicitrate/stearate, Hydrogenated coconut oil, Glycerin, Arachidyl Alcohol, Palmitoyl proline, Hydroxyethyl acrylate/Sodium acryloyldimethyl taurate copolymer, Xylitylglucoside, Dipropylene glycol, Polymethyl methacrylate, Anhydroxylitol, Behenyl alcohol, Squalane, Calophyllum tacamahaca seed oil, Glyceryl caprylate, Sodium palmitoyl proline, Xanthan gum, sodium levulinate, Allantoin, Bisabolol, 1,2-Hexanediol, Capryl glycol, Arachidyl glucoside, Xylitol, Lactic acid, Sodium palmitoyl sarcosinate, Magnesium palmitoyl glutamate, Sodium anisate, Nymphaea alba flower extract, polysorbate 60, Gardenia tahitensis flower extract, alcohol, Arnica montana flower extract, Tris (Tetramethylhydroxypiperidinol) citrate, Tropolone, Calendula officinalis flower extract, Tocopherol.

**DIRECTIONS:** Massage until completely absorbed.

**PACKAGING:** 75 ml tube.



## NATUR™ line

Natur™ line includes three cosmetic creams specifically designed to tone the breast skin, regenerate face and body skin and protect it from ageing, improving leg circulation and tone.

### • NATUR™ 3

**Natur™ 3** is specifically designed to nourish and moisturize the breast area. Its quick-absorbing, non-greasy texture is pleasant to the touch. Its formulation includes plant extracts with stimulating and tonic action and natural active ingredients that help counteract the tissue sagging and promote the firming of this area.

#### KEY INGREDIENTS:

Lilium candidum flower water: reduces mild hormone deficiencies and relieves breast tenderness.

Echinacea augustifolia root extract: stimulates the immune system.

Echinacea purpurea flower/leaf/stem extract: reduces inflammation of the serous membranes (painful nodules).

Gallium aparine extract: has a strong trophic action of tissues, reducing the thickness of fibrous tissues.

Thuja occidentalis leaf extract: reduces proliferative processes involving skin and glandular epithelia.

**INGREDIENTS:** Aqua/Water/Eau, Ethylhexyl Palmitate, Lilium Candidum Flower Water, Glycerin, Polyacrylamide, C13-14 isoparaffin, Glyceryl Caprylate, Sodium levulinate, Potassium cetyl phosphate, Laureth-7, Parfum, Sodium anisate, Xanthan gum, Echinacea Angustifolia Root Extract, Echinacea Purpurea Flower/Leaf/Stem Extract, Citric acid, Phenoxyethanol, Thuya Occidentalis Leaf Extract, Galium Aparine Extract.

**DIRECTIONS:** Apply to the breast, morning and evening, with a gentle massage.

**PACKAGING:** 75 ml tube.



# • NATUR™ 4

**Natur™ 4** helps regenerate the skin of face and body. Its formulation contains plant extracts, collagen and protein extracts. The skin appears smooth, firm and well toned with long lasting effects. Thanks to the non-greasy formulation, it can be used before make up.

## KEY INGREDIENTS:

Hydrolyzed collagen and connective tissue extract: revitalizes the connective tissue.

Aesculus hippocastanum seed extract: improves the permeability of vascular endothelia.

Collagen extract: stimulates the synthesis of autologous collagen.

Embryo extract: revitalizes the skin by improving vascularization.

Hamamelis virginiana bark/leaf/twig extract: has a protective action on capillaries

Placental protein: stimulates the peripheral blood flow.

**INGREDIENTS:** Aqua/Water/Eau, Ethylhexyl Palmitate, Glycerin, Polyacrylamide, C13-14 isoparaffin, Glyceryl caprylate, Sodium levulinate, Hydrolized collagen, Potassium cetyl phosphate, Laureth-7, Parfum, Sodium anisate, Xanthan gum, Hamamelis virginiana bark/leaf/twig extract, Aesculus hippocastanum seed extract, Phenoxyethanol, collagen extract, Connective tissue extract, Embryo extract, Placental protein.

**DIRECTIONS:** Apply to face and neck with a gentle massage, before make up or in the evening after cleansing. Apply all over the body after shower, with a gentle massage.

**PACKAGING:** 75 ml tube.



## • NATUR™ 5

**Natur™ 5** helps prevent leg imperfections and improve the appearance of your legs. Its cosmetic base is moisturizing and pleasant to touch. Its formulation is very rich in plant extracts and proteins.

### KEY INGREDIENTS:

Hamamelis virginiana bark/leaf/twig extract: has a protective action on capillaries.

Arnica Montana flower extract: has a toning effect on the leg vessels.

Ascorbic acid: stimulates enzyme activity and counteracts aging.

Calendula officinalis flower extract: prevents leg swelling.

Connective tissue extract: strengthens the connective tissue, has a positive effect on varicose veins, reduces inflammation.

Ruscus aculeatus root extract: has a protective action on microcirculation.

Vaccinium myrtillus fruit/leaf extract: improves blood flow.

**INGREDIENTS:** Aqua/Water, Ethylhexyl Palmitate, Hamamelis Virginia water, Glycerin, Polyacrylamide, C13-14 Isoparaffin, Glyceryl caprylate, Sodium levulinate, Potassium cetyl phosphate, Laureth-7, Parfum, Sodium anisate, Xanthan gum, Arnica Montana flower extract, Phenoxyethanol, Hamamelis virginiana bark/leaf/twig extract, Calendula officinalis flower extract, Connective tissue extract, Ruscus aculeatus root extract, Vaccinium myrtillus fruit/leaf extract, ascorbic acid.

**DIRECTIONS:** Apply morning and evening with a gentle massage from bottom upwards to the whole leg

**PACKAGING:** 75 ml tube.



# STAMIBIO® line

From the most modern dermocosmetic research, Guna has created Stamibio® Line, which includes specific products with unique formulations, dermatologically tested, paraben-free and with allergen-free fragrances. Stamibio® Line stands out for the specific and innovative capability in restoring and rebalancing the skin of face, body and scalp. They have been formulated in accordance with the most modern cosmeceutical and technological requirements of efficacy and safety, which makes them suitable also for the most delicate and sensitive areas of the body.

## • STAMIBIO® BEAUTY

**Stamibio® Beauty** is an antiaging cream with a regenerating, antioxidant, anti-wrinkle action for face neck and décolleté. It has a pleasant and unique texture, a specific and complete formulation, and strong skin nourishing properties. Due to its specific formulation and its innovative active ingredients, **Stamibio® Beauty** synergistically acts on the root causes of dull complexion, of skins lacking in tone and damaged by pollution, chronoaging and photoaging, by preventing and dramatically reducing skin aging.



### KEY INGREDIENTS:

In addition to [Roe extract](#), containing regeneration factors of skin stem cells extracted from Zebrafish eggs, Stamibio® Beauty contains:

[Coenzyme Q10](#) which exerts an effective antiaging, revitalizing and antioxidant action.

[Bio-Plex RNA](#): rich in nucleic acids, which help the natural regenerating processes of the skin, to make it toned and healthy.

[Oligoelements](#): Manganese, Copper, Iron, Zinc, Magnesium and Cobalt in a balanced and bioavailable form, help keep the skin glowing and beautiful.

[Jojoba oil](#): fluid, non greasy, pure oil, renowned for its emollient, soothing and protective properties. It penetrates the skin deeply and helps the natural production of collagen and elastin, to keep the skin smooth and elastic.

[Rhodiola rosea and Theobroma cacao](#): being particularly rich in Vitamin C and antioxidant substances respectively, Rhodiola rosea and cocoa extracts help counteract the oxidative processes which are responsible for ageing and prevent wrinkle formation.

[Ginseng and Guaraná \(Paullinia cupana\)](#): these plant extracts have a stimulating and energizing action on cell oxygenation and regeneration processes. They revitalize and tone dull and slackened skin, which regains energy and luminosity.

[Oenothera biennis](#): its fluid, non greasy, pure oil is rich in polyunsaturated fatty acids, with nourishing, restoring and moisturizing properties. It is ideal for the most dehydrated and sensitive skins

**INGREDIENTS:** Aqua, Propylene Glycol, Cetearyl Alcohol, Caprylic/Capric Triglyceride, Glyceryl Stearate, Bis-diglyceryl Polyacryladipate-2, Ethylhexyl Methoxycinnamate, Cetearyl Isononanoate, Cetyl Palmitate, Isopropyl Palmitate, Oenothera biennis Oil, Smithsonian Extract, Cetareth-20, Simmondsia chinensis Oil, Stearic Acid, Benzophenone-3, Roe Extract, Saccharomyces/Copper Ferment, Saccharomyces/Iron Ferment, Saccharomyces/Magnesium Ferment, Saccharomyces/Silicon Ferment, Saccharomyces/Zinc Ferment, Manganese Gluconate, Glycine soja Oil, Agar, Algin, Alginic Acid, Ubiquinone, Hydrolyzed Dna, Hydrolyzed Rna, Tocopheryl Acetate, Theobroma cacao Extract, Nelumbo nucifera Extract, Panax ginseng Extract, Paullinia cupana Extract, Humulus lupulus Extract, Lepidium meyenii Extract, Rhodiola rosea Extract, Dextrin, Polysorbate 20, Glycerin, Diethylhexylcyclohexane, Parfum, Peg-4, Sodium Hydroxide, Tocopherol, Phenoxyethanol, Benzyl Alcohol, Potassium Sorbate, Ethylhexylglycerin, Ci 73360, Ci 77492, Ci 77891, Ci 19140, Benzophenone-4.

**DIRECTIONS:** Apply morning and evening to face, neck and décolleté after cleansing, by a gentle circular massage, until completely absorbed. The presence of particles in the cream indicates the product freshness, effectiveness, as well as its natural replenishing properties. For external use.

**PACKAGING:** 50 ml jar

## • STAMIBIO® SERUM

**Stamibio® Serum** is a dermocosmetic serum for revitalizing and regenerating the face skin, especially indicated eye contour, with a pleasant and unique texture. Due to its special skin nourishing, protective and regenerating properties, it acts on eye bags, dark circles and wrinkles, making the skin more resistant and elastic. **Stamibio® Serum** is easily absorbed, and helps improve face and eye contour elasticity and tone, thus reducing wrinkles.

### KEY INGREDIENTS:

In addition to [Roe Extract](#), containing regeneration factors of skin stem cells extracted from Zebrafish eggs), Stamibio® Serum contains:

[High molecular weight hyaluronic acid](#): makes the skin resistant and helps maintain the skin well toned, and prevents the formation of wrinkles.

[Inositol](#): stimulates cell oxygenation and metabolic processes.

[Hop extract](#): contains antioxidants such as flavonoides.

[Cocoa extract](#): counteracts the effects of free radicals and slows down cellular aging process.

[Ginseng and Guaraná \(Paullinia cupana\)](#): these plant extracts have a stimulating and energizing action on cell oxygenation and regeneration processes. The revitalize and tonify dull and slackened skin, which regains energy and luminosity.

Lotus extract: has strong antioxidant properties.

[Hydrolyzed DNA and RNA](#): rich in nucleic acids, which help the natural regenerating processes of the skin, to make it toned and healthy.

Maca extract: helpful for skin revitalization.

[Oligoelements](#): help keep the skin glowing and beautiful.

[Anti-Spot complex](#): helps reducing dark spots caused by ageing, sun exposure and pollution.

**INGREDIENTS:** Aqua/water, Dimethicone, Decyl Oleate, Glycerin, Butylene Glycol, Dipropylene Glycol, Bis-peg/ppg-16/16 Peg/ppg-16/16 Dimethicone, Saccharomyces/Copper Ferment, Saccharomyces/Magnesium Ferment, Saccharomyces/ Silicon Ferment, Saccharomyces/Zinc Ferment, Polymethyl Methacrylate, Inositol, Hexylresorcinol, Hydrolyzed DNA, Hydrolyzed RNA, Roe extract, Panax ginseng Extract, Paullinia cupana Extract, Humulus lupulus Extract, Lepidium meyenii Extract, Sodium Hyaluronate, Polysilicone-11, Sodium Polyacrylate, Caprylic/Capric Triglyceride, Acrylates/c10-30 Alkyl Acrylate Crosspolymer, Triethanolamine, Polysorbate 80, Disodium EDTA, Propylene Glycol, Dimethiconol, Phenoxyethanol, Ethylhexylglycerin.

**DIRECTIONS:** Apply morning and evening to eye contour and face, by a gentle massage, until completely absorbed. For external use.

**PACKAGING:** 30ml airless dispenser.



# • STAMIBIO® DERM

**Stamibio® Derm** is a fluid dermocosmetic cream for sensitive skins, with a tendency to irritation and desquamation. Due to its innovative and specific ingredients, **Stamibio® Derm** performs an effective soothing and antioxidant action, protects and nourishes any kind of skin, especially sensitive skins with a tendency to irritation and desquamation.

## KEY INGREDIENTS:

In addition to [Roe Extract](#), containing regeneration factors of skin stem cells extracted from Zebrafish eggs), Stamibio® Derm contains:

[Glycyrrhetic Acid](#) (from licorice, *Glycyrrhiza glabra* L.) and [Zanthoxylum alatum](#) extract: re-epithelizing, calming and soothing for the most delicate and sensitive skins. They help reduce irritation and redness and give immediate comfort and elasticity.

[Vitamin E](#): present in a highly bioavailable form, it is essential for the skin wellbeing, thanks to its antiaging and restoring properties.

[Provitamin D](#): precursor of Vitamin D, it supports the physiological functions of protection and regeneration of the skin.

*Boswellia serrata* extract: its soothing and calming extract is indicated for the most sensitive skins, especially if prone to irritation and itching.

[Lecithin](#): antioxidant, nourishing ingredient of plant origin, is highly beneficial to dehydrated and sensitive skin

**INGREDIENTS:** Aqua, Octyldodecanol, Cetearyl Alcohol, Caprylic/Capric Triglyceride, Glycerin, Alcohol Denat., Cetareth-20, Glycyrrhetic Acid, Zanthoxylum alatum Extract, Roe Extract, Tocopheryl Acetate, Hydrogenated Lecithin, *Boswellia serrata* Gum, 7-dehydrocholesterol, Oleyl Alcohol, Glucose, Dimethicone, Xanthan Gum, Sodium Chloride, Disodium Edta, Polysorbate 20, Lactic Acid, Isopropyl Myristate, Triticum vulgare Germ Oil, Ethoxydiglycol, Bht, Phenoxyethanol, Potassium Sorbate.

**DIRECTIONS:** Apply to the affected area several times a day with a gentle massage, as needed. Stamibio® Derm can be easily removed with water and leaves no residual traces.

**PACKAGING:** 75 ml tube



## • STAMIBIO® CALMDERM

**Stamibio® Calmderm** is a fluid dermocosmetic cream for sensitive skins with a tendency to itching, reddening and cracking. Due to its unique and specific composition, Stamibio® Calmderm moisturizes and soothes sensitive skin, with a tendency to itching, reddening and cracking. Stamibio® Calmderm has a fluid, non-greasy texture, and is easily absorbed. Due to its soothing, nourishing and natural properties, it can be used on any areas of the body, including the most sensitive areas.

### KEY INGREDIENTS:

In addition to [Roe Extract](#), containing regeneration factors of skin stem cells extracted from Zebrafish eggs), Stamibio® Calmderm contains:

[Glycyrrhetic Acid](#) from licorice, which helps the process of skin repair, calming and soothing even the most delicate and sensitive skins, also in cases of irritation and reddening.

[Vitamin E](#): present in a highly bioavailable form, it is essential for the skin wellbeing, thanks to its antiaging and restoring properties.

[Provitamin D](#): precursor of Vitamin D, it supports the physiological functions of protection and regeneration of the skin.

[Boswellia serrata extract](#): its soothing and calming extract is indicated for the most sensitive skins, especially if prone to irritation and itching.

[Lecithin](#): antioxidant, nourishing ingredient of plant origin, is highly beneficial to dehydrated and sensitive skin.

[Zanthoxylum bungeanum extract](#): with strong calming properties, it helps reduce itching.

[Calming agent \(Symssitive\)](#): soothing ingredient to normalize the skin in a physiological way.

### INGREDIENTS:

Aqua, Octyldodecanol, Cetearyl Alcohol, Caprylic/Capric Triglyceride, Glycerin, Alcohol Denat., Cetareth-20, Glycyrrhetic Acid, Oleyl Alcohol, Cetyl Alcohol, Zanthoxylum bungeatum fruit extract, Pentylene glycol, 4-t-butylcyclohexanol, Tocopheryl Acetate, Roe Extract, Hydrogenated Lecithin, Boswellia serrata gum, 7-dehydrocholesterol, Xanthan Gum, Glucose, Dimethicone, Ethoxydiglycol, Sodium Chloride, Disodium EDTA, Polysorbate 20, Isopropyl Myristate, Triticum vulgare Germ Oil, BHT, Phenoxyethanol, Potassium Sorbate.

**DIRECTIONS:** Apply 2 to 3 times daily on the area to be treated by a gentle massage, until completely absorbed. For external use.

**PACKAGING:** 50 ml tube



# • STAMIBIO® LOTION

**Stamibio® Lotion** is a restructuring lotion for sensitive scalp, with a tendency to irritation, seborrhea and desquamation. The special formulation of **Stamibio® Lotion** helps the rebalancing of the scalp regeneration processes, thus reducing scalp irritation and redness. It can be used together with **Stamibio® Derm**.

**KEY INGREDIENTS:** In addition to [Roe Extract](#), containing regeneration factors of skin stem cells extracted from Zebrafish eggs), Stamibio® Lotion contains:

[Ginkgo Biloba leaf extract](#): this natural extract with flavonoid glycosides and terpenes is well-known for its antioxidant, regenerating, protective action on microcirculation and beneficial properties for the scalp.

[Salvia Officinalis leaf extract](#): the essential oil with diterpenes and rosmarinic acid has antioxidant, anti-inflammatory and antimicrobial action on the scalp.

[Cinnamomum zeylanicum](#): its essential oil has a strong anti-fungal action, and helps peripheral circulation when rubbed on the skin.

**INGREDIENTS:** Aqua, Alcohol Denat., Butylene Glycol, Glycerin, Salvia officinalis Extract, Ginkgo biloba Extract, Cinnamomum Zeylanicum Extract, Ppg-26-buteth-26, Peg-40 Hydrogenated Castor Oil, Apigenin, Oleanolic Acid, Biotinoyl Tripeptide-1, Roe Extract, Ethyl Nicotinate, Quaternium-52, Alcohol, Sodium Hydroxide, Tocopherol, Phenoxyethanol, Benzyl Alcohol, Potassium Sorbate, Ci 19140, Ci 42090, Benzophenone-4.

**DIRECTIONS:** Apply about 15 drops with the dropper directly on the scalp when needed. Then, massage with your fingers, until completely absorbed. Stamibio® Lotion is not oily for the hair and for the scalp., and is easily absorbed. A slight temporary reddening after the application is a desired effect and preliminary to the product action. For external use.

**PACKAGING:** 50 ml bottle with dropper.



## • AROMA DI GUNA 2

**Aroma di Guna 2** is an insect-repellant. It repels mosquitos, lice and horseflies. The new formulation of **Aroma di Guna 2** has been enriched with two new plant ingredients:

### KEY INGREDIENTS:

Neem oil: contains a special molecule, Azadirachtin A, whose aroma is distasteful to summer and autumn insects.

Zanthalene (Zanthoxylum alatum extract): well tolerated by the skin, is known for its calming and soothing properties, and is useful in cases of skin irritation and reddening.

These two new ingredients are associated to a unique blend of essential oils of selected plants:

- Melissa officinalis
- Lavandula angustifolia
- Mentha piperita
- Citral
- Linalool
- Citronellol
- Geraniol
- D-Limonene

Known for their calming, soothing and refreshing properties and mix of fragrances, pleasant to humans but unappealing to a large number of annoying insects.

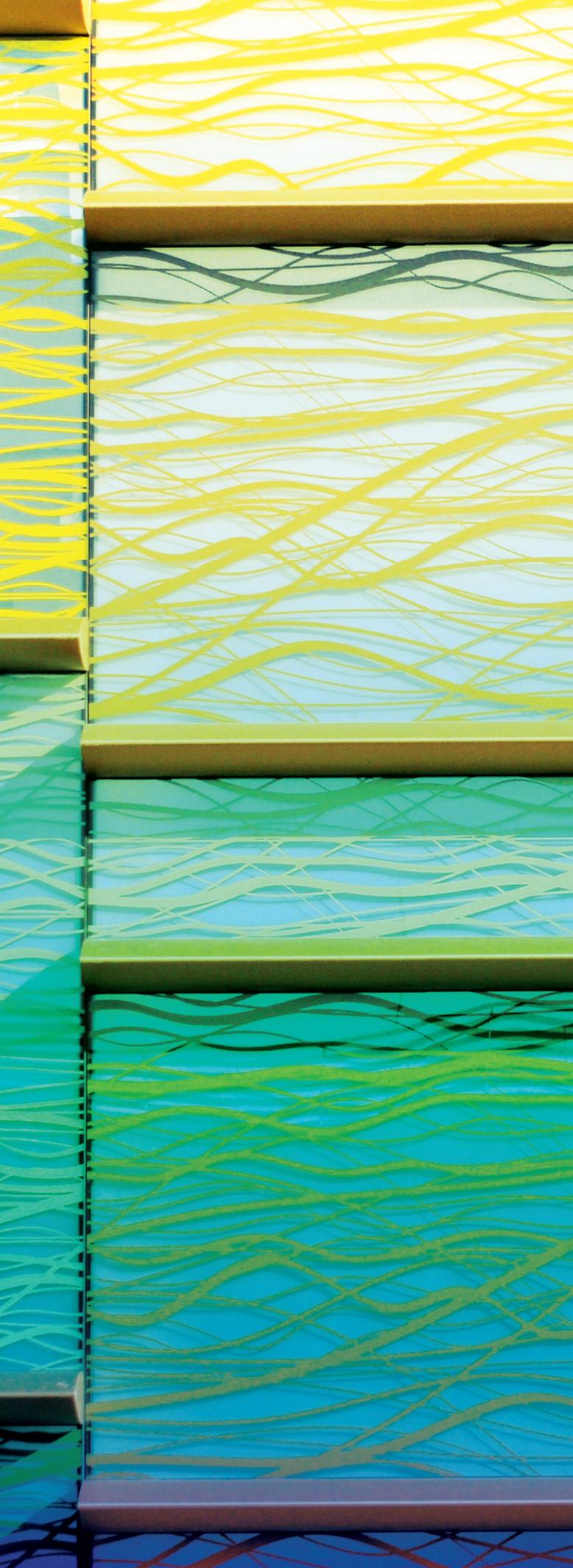
Aroma di Guna 2 is easy to apply, is not greasy and doesn't stain. Aroma di Guna 2 has no contraindications for use on children's sensitive skin.

**INGREDIENTS:** Cetearyl isononanoate, Lavandula angustifolia oil, Melissa officinalis oil, Pelargonium capitatum extract, Citral, Limonene, Parfum, Melia azadirachta seed oil, Mentha piperita oil, Zanthoxylum alatum extract, Oleyl alcohol, Citronellol, Geraniol, Linalool.

**DIRECTIONS:** For external use. Spray on the skin from approximately 20 cm distance. Preservative free. avoid direct contact with the eyes.

**PACKAGING:** 75 ml spray bottle.





Guna

**BACH FLOWERS**

# Bach Flowers

Bach Flowers are preparations based on herbal ingredients, identified in the 1930s by Dr. Edward Bach and recognized by the **WHO (World Health Organization)**.

According to Dr. Bach's vision, the **38 Bach Flowers**, appropriately extracted from wildflowers (with the exception of spring water from sources known for their particular properties), encourage the innate rebalance and harmonization capability in case of personality troubles or altered emotional states.

They can be taken **singularly or in association**, depending on the mood and the individual needs. Each remedy reflects **a specific emotional and behavioural condition** that allows an individual to develop, regain and express his/her own vital resources and inherent adaptation abilities.

## Guna Bach Flowers are prepared by using mother essences:

- of **top quality**
- coming from the **original places in Great Britain**
- certified by the **British Association of Flower Essence Producers (BAFEP)**
- obtained strictly according to **Dr. Bach's Traditional Method and original instructions**
- prepared with **organic brandy**.

## GUNA Bach Flowers are:

- in a stock concentration **according to Dr. Bach's original instructions**;
- in a solution of organic brandy and water with characteristics similar to those of biological water (see box);
- provided with a dropper with **guarantee seal**;
- provided with a **colour coding** identifying **Dr. Bach's 7 emotional categories**.

The 38 Bach Flowers are classified in 7 groups defined by Dr. Bach relating to the emotional states:

- **Fear, anxiety and panic**
- **Uncertainty or lack of self-confidence**
- **Insufficient interest in present circumstances**
- **Loneliness**
- **Over-sensitivity to influences and ideas**
- **Despondency or despair.**
- **Over-care for welfare of others**

## Remedies range

38 single remedies (see box "the Seven Groups of Bach Flowers").  
Ingredients: Water, Alcohol (organic brandy), Bach Flower.  
Alcohol content 27%.

## Directions for use

Take remedies singularly or in association:

- Add 2 drops of each chosen remedy to a 30 ml amber glass bottle containing natural mineral water and 2 teaspoonfuls of brandy. As an alternative, add 2 drops of each chosen remedy to the ready water-alcohol solution Flower Power. From this solution, take 4 drops directly under the tongue 3-4 times a day.
- Another possibility is: 2 drops, undiluted from the stock bottle of the chosen remedies, directly in the mouth or in a glass with a little water. Take this solution several times during the day.
- Keep on taking it for a period of time ranging from a few weeks to two months.

## Packaging

**10 ml bottle provided** with dropper and guarantee seal.

**Complete set** containing 38 flowers plus 2 Resource Remedy



## THE SEVEN GROUPS OF BACH FLOWERS

### FEAR, ANXIETY AND PANIC

Disharmony	Bach Flower	Positive Virtue
Terror, paralyzing fear, panic situations	Rock Rose	Survival / Heroism
Fear of known things (spiders, fly, darkness...), shyness	Mimulus	Safeguard / Courage
Fear of losing control	Cherry Plum	Instinctiveness / Self-control
Indefinite, unexplainable fears, bad feelings, foreboding	Aspen	Receptivity / Grounding
Anxiety and over-care for the beloved ones	Red Chestnut	Altruism / Optimism

### UNCERTAINTY OR LACK OF SELF-CONFIDENCE

Disharmony	Bach Flower	Positive Virtue
Doubt on one's ability to judge, s/he is always asking others for advice	Cerato	Comparison / Certainty
Indecision between two or more alternatives, uncertainty	Scleranthus	Integration / Decision
Easy discouragement, hesitation, wavering	Gentian	Thinking over / Confidence
Despair, surrender, pessimism	Gorse	Welcoming / Hope
Monday morning tiredness, doubt about having the capacity to face the day's duties	Hornbeam	Consolidation / Vigor
Uncertainty on the way to follow, unsatisfaction of one's lifestyle, inability to realize oneself	Wild Oat	Experience / Direction

### INSUFFICIENT INTEREST IN PRESENT CIRCUMSTANCES

Disharmony	Bach Flower	Positive Virtue
Daydreaming, lack of interest in the present	Clematis	Creativity / Presence
One lives in the past, nostalgia	Honeysuckle	Memory / Overcoming
Apathy, resignation, little is done to improve the situation	Wild Rose	Adaptation / Vitality
Mental and physical tiredness, breakdown, lack of resources, burnout	Olive	Rest / Regeneration
Brooding over, repeated thoughts and obsessive worries	White Chestnut	Concentration / Peace
Melancholy, depression inexplicably coming and going	Mustard	Introspection / Joy
Difficulty in learning from experience, repetition of the same mistakes	Chestnut Bud	Spontaneity / Learning

### LONELINESS

Disharmony	Bach Flower	Positive Virtue
Orientation to loneliness, pride, discretion	Water Violet	Independence / Humility
Fear of being alone, excessive talkativeness	Heather	Sociability / Empathy
Impatience, hurry, easy nervousness	Impatiens	Dynamism / Patience

### OVER-SENSITIVITY TO INFLUENCES AND IDEAS

Disharmony	Bach Flower	Positive Virtue
Hidden problems and troubles behind a merry behaviour	Agrimony	Harmony / Openness
Difficulty to say no, anxious desire to please others	Centauray	Generosity / Assertiveness
Important changes in life, need for protection from external influences	Walnut	Sensitivity / Freedom
Extreme jealousy, envy, suspicion	Holly	Awareness / Love

### DESPONDENCY OR DESPAIR

Disharmony	Bach Flower	Positive Virtue
Lack of self-confidence, feelings of inferiority	Larch	Prudence / Daring
Guilt feeling, blaming oneself for others' mistakes	Pine	Responsibility / Forgiveness
Poor self-consideration, sense of interior dirtiness, despise of one's own physical aspect	Crab Apple	Purity / Acceptance
Deep despair, unbearable suffering	Sweet Chestnut	Metamorphosis / Rebirth
Temporary depression, feeling of responsibility overload	Elm	Dimension / Determination
Shock situations, also referring to the past, scare, traumatic events	Star of Bethlehem	Elaboration / Resolution
Excessive feeling of duty, incapacity to let oneself go	Oak	Perseverance / Flexibility
Grievance and self-pity	Willow	Reactivity / Comprehension

### OVER-CARE FOR WELFARE OF OTHERS

Disharmony	Bach Flower	Positive Virtue
Hyper-possessiveness, excessive attachment to one's beloved, expecting them to comply with one's own values	Chicory	Lovingness / Autonomy
Excessive enthusiasm, fanaticism, desire to convert others to her/his own point of view	Vervain	Passion / Moderation
Strong will, tendency to dominate and inflexibility	Vine	Charisma / Service
Intolerance and criticism towards others	Beech	Perfectionism / Tolerance
Inflexibility towards oneself, strictness of principles, tendency to set too high objectives	Rock Water	Discipline / Malleability

### DISTRESS OR EMOTIONAL EMERGENCY

Disharmony	Ready Mix	Positive Virtue
Situations of strong distress as well as physical or mental emergency	Resource Remedy	Adaptation / Overcoming

# SUPER-COHERENT WATER

**Water is the essential component of the human body: about 99% of its molecule number and 60-70% of its weight!**

When the water of living systems gets in touch with the organic matter, it is structured in a characteristic organized and coherent way, according to specific frequencies emitted by the living matter itself (1,2,3).

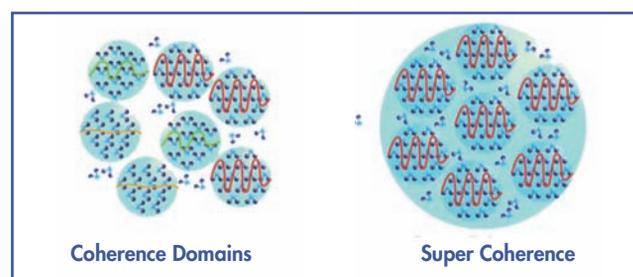
This special biological organization of water, called Super Coherence (coherence among coherence domains) is being researched by the WHITE research group, whose members include, among others, Prof. Giuseppe Vitiello, Dr. Alberto Tedeschi, Prof. Emilio Del Giudice and the Nobel prize Prof. Luc Montaigner (4).

This feature of biological water is being exploited by Guna Laboratories, using the method developed by the WHITE research group.

By adding an informed filter with the frequencies of the 38 Bach Flowers, a specific resonance of the 38 essences is obtained and this makes the liquid more receptive and amplifying towards the information of the latter (4,6,7,8).

In the case of the range "Guna Resource", an optical filter is added to the WHITE process for each specific formula. This is aimed at obtaining a special resonance that is specific for this formula itself as well as a synergistic effect with its constituent mother essences, by using specific electromagnetic fields.

**Figure 1:** Coherence domains and super Coherence



**Figure 2:** Vortices generated in 1000 Lt of water put in open air containers to be swirled.  
**Photo A:** Normal water. You can see a single and regular vortex.  
**Photo B:** Water exposed to WHITE light with optical filters used for Guna Bach Flowers. You can see different organized spirals according to fractal dynamics; this phenomenon is due to a lower viscosity of water induced by super-coherence".

## References:

1. Preparata G. - QED Coherence in Matter – World Scientific, 1995.
2. Del Giudice E., Elia V., Napoli E., Tedeschi A. - The role of water in the living organisms. Neural Network World ,4, pp. 355-360, 2009.
3. Del Giudice E. & Tedeschi A. - Water and the autocatalysis in living organisms. Electromagnetic Biology and Medicine, 16, pp.28, 2009.
4. Popp F.A. - About the Coherence of Biophotons, Macroscopic Quantum Coherence. Boston University and MIT, World Scientific, 1999.
5. Tedeschi A. - Is the living dynamics able to change the properties of water?, Int. J. of Design & Nature and Ecodynamics. The Nature of Water, Vol. 5, No. 1 , pp. 60–67, 2010.
6. Elia V., Del Giudice E., Napoli E., Tedeschi A. - Prime evidenze sperimentali di trasferimento di "informazioni" all'acqua con l'uso della tecnologia WHITE. La Medicina Biologica, gennaio-marzo 2008.
7. Del Giudice E., Tedeschi A. - La vita come forma di organizzazione dell'acqua. La Medicina Biologica, ottobre- dicembre 2008.
8. Del Giudice E., Tedeschi A. - La respirazione dell'acqua come base della dinamica della vita. La Medicina Biologica, ottobre-dicembre 2009.

# FLOWER POWER

Ready solution for personalized mix of Bach flower

**Flower Power** is a **water-alcohol solution** of Water and organic Brandy, **ready for the preparation of personalized mix of Bach flowers** according to Dr. Bach's original specifications. It is an ideal basis to create flower complexes because it is prepared with **organic brandy and Holographic technology WHITE Bioresonance®**.

**DIRECTIONS:** Dilute 2 drops of each selected Bach Flower in the bottle, shake vertically and take 4 drops 3-4 times daily.

**PACKAGING:** 30 ml bottle with tamper-evident seal and dropper included separately in the package.

**INGREDIENTS:** Water, Alcohol (organic Brandy). Alcohol content 12%.



## • RESOURCE GUNA

**Resource Guna** is a line of ready-to-use Bach Flowers mixed according to Dr. Bach's original method and prepared with Super Coherent Water (see box) and organic brandy. According to Dr. Bach's view, Bach Flowers are flower "patterns" that embody specific moods and emotional conditions.

Each Resource Guna formulation represents the "Master Flower Pattern" (M.F.P.), which is an optimal, synergistic and complementary combination of the Bach Flowers. According to Dr. Bach, they correspond to a specific harmonious state of mind and to a consequent condition of emotional balance.



**DIRECTIONS:** 4 drops directly in the mouth (or 2 sprays) or possibly diluted in a little water to be taken 3-4 times a day. It is possible to repeat the application at intervals of 5-10 minutes for 1 hour.

**PACKAGING:** 20 ml bottle with dropper and security seal. Resource Remedy is also available in 10ml bottle, drops or spray. 27% Alcohol content.

**INGREDIENTS:** Water, Alcohol (organic Brandy). Alcohol content 27%.

## • RESOURCE REMEDY

Master Flower Pattern of Relax – No Stress

**Resource Remedy** is an Optimal, Synergistic and Complementary Combination of Dr. Bach's Flower Archetypes to evoke your inner resources and your inner adaptability when you want to **relax, calm down and to manage your stress.**

**Cherry plum** represents self-control, **Clematis** presence, **Impatiens** tranquility, **Rock Rose** courage, and **Star of Bethlehem** elaboration and resolution.

Positive statement: "I am master of my resources, present to myself; I am going to solve and overcome this challenge with calm and courage".

It is useful to have appropriate resources to face strong emotional alterations due to everyday's stressful events:

- before an important meeting (job interview, examination).
- before appearing in front of an audience (début, inauguration, conference)
- fear of flying
- dental phobia, fear of blood sampling or injections
- insect bites
- birth shock (both for the mother and the newborn)
- children's fit of tears and fear
- any accident

**INGREDIENTS:** Water, Alcohol (Brandy from organic farming), Bach Flowers: Rock Rose ((*Helianthemum nummularium*), Clematis (*Clematis vitalba*), Impatiens (*Impatiens glandulifera*), Cherry Plum (*Prunus cerasifera*), Star of Bethlehem (*Ornithogalum umbellatum*). Alcohol content 27%.



## • RESOURCE GOODNIGHT

Master Flower Pattern of Peaceful Sleep

Optimal, synergistic and complementary combination of Bach Flowers that are appropriate to evoke your own inner resources and your own innate ability to adapt when you wish a quiet, peaceful and restorative sleep.

**Agrimony** represents harmony, **Aspen** serenity, **Impatiens** peacefulness, **Olive** regeneration, **Scleranthus** harmony of circadian rhythms, **Walnut** environmental adaptation, **White Chestnut** peace of mind.

Positive statement: "I indulge in peaceful sleep, I abandon myself in peace and I fall asleep in peace, I rest and recharge my batteries"

**INGREDIENTS:** Water, Alcohol (Brandy from organic farming), Bach Flowers: Agrimony (*Agrimonia eupatoria*), Aspen (*Populus tremula*), Impatiens (*Impatiens glandulifera*), Olive (*Olea europaea*), Scleranthus (*Scleranthus annuus*), Walnut (*Juglans regia*), White Chestnut (*Aesculus hippocastanum*). Alcohol content 27%



## • RESOURCE HARMONY

Master Flower Pattern of Female Harmony

Optimal, synergistic and complementary combination of Bach Flowers that are appropriate to evoke your own inner resources and your own innate ability to adapt when you wish to achieve a **harmonious relationship with femininity, especially in times of particular sensitivity related to menstrual cycles, pregnancy or menopause.**

**Cherry Plum** represents the acceptance of one's own instincts, **Crab Apple** acceptance of one's own self, **Holly** love and inner harmony, **Impatiens** peacefulness, **Mustard** inner stability, **Scleranthus** balance of feminine instincts, **Walnut** protection from external influences.

Positive statement: "I welcome my femininity and its rhythms. I live and express peacefully my feminine in all its nuances and potential. I have in me the power of attraction and fascination of the moon!"

**INGREDIENTS:** Water, Alcohol (Brandy from organic farming), Bach Flowers: Cherry Plum (*Prunus cerasifera*), Crab Apple (*Malus pumila*), Holly (*Ilex aquifolium*), Impatiens (*Impatiens glandulifera*), Mustard (*Sinapis arvensis*) Scleranthus (*Scleranthus annuus*), Walnut (*Juglans regia*). Alcohol content 27%.



## • RESOURCE CONFIDENCE

Master Flower Pattern of Self-esteem and Self-confidence

Optimal, synergistic and complementary combination of Bach Flowers to evoke your own

inner resources and your own innate ability to adapt when you wish to develop your **self-esteem and self-confidence**.

**Centaury** represents assertiveness, **Cerato** intuition, **Elm** decisiveness, **Gentian** awareness of one's own abilities, **Hornbeam** vigour, **Larch** audacity, **Scleranthus** decision.

Positive statement: "I have full respect for myself, I act confidently, powerfully, and decisively, I have the strength of a lion. I respect myself and I am respected".

**INGREDIENTS:** Water, Alcohol (Brandy from organic farming), Bach Flowers: Centaury (*Centaureum umbellatum*), Cerato (*Ceratostigma willmottiana*), Elm (*Ulmus procera*), Gentian (*Gentiana amarella*), Hornbeam (*Carpinus betulus*), Larch (*Larix decidua*), Scleranthus (*Scleranthus annuus*). Alcohol content 27%.



## • RESOURCE ENERJOY

Master Flower Pattern of Energy and Vitality

Optimal, synergistic and complementary combination of Bach Flowers that are appropriate to evoke your own inner resources and your own innate ability to adapt when you wish to boost your **energy, vitality and you want to act**.

**Crab Apple** represents detoxification, **Elm** determination, **Hornbeam** vigour, **Oak** perseverance, **Olive** regeneration, **Walnut** protection from external influences, **Wild Rose** vitality.

Positive statement: "I feel rested, regenerated, energetic, strong and vital. I want to act, I am pure energy!".

**INGREDIENTS:** Water, Alcohol (Brandy from organic farming), Bach Flowers: Crab apple (*Malus pumila*), Elm (*Ulmus procera*), Hornbeam (*Carpinus betulus*), Oak (*Quercus robur*), Olive (*Olea europaea*), Walnut (*Juglans regia*), Wild Rose (*Rosa canina*). Alcohol content 27%.



# • RESOURCE CREAM

Restoring, Soothing and Replenishing Cream

**Resource Cream** is a preservative-free cosmetic designed to maintain the **physiological function** of the **skin** and counteract stress and harmful environmental agents.

In all seasons, our skin is exposed to environmental agents (pollution, extreme cold, excessive exposure to sunlight, wind) which worsen dryness, reddening and irritation, while reducing its elasticity. The alteration of the physiological condition of the skin makes it even more sensitive and exposed to accidental events such as insect bites, minor burns and traumas.

The nourishing, emollient and soothing properties of its plant ingredients give **elasticity** and moisture to the skin. Its soft and pleasant texture gives a sense of relief and well-being. The essential oil of **Tea tree**, known for its antibacterial properties, gives it a pleasant and typical fragrance.

The Bach Flowers included in the formulation of Resource Cream reflect emotional archetypes from which you can take inspiration to evoke your own innate resources and adaptability, in order to experience a sense of well-being.

According to Dr. Bach, **Cherry Plum** represents self-mastery, **Clematis** presence and mind-body connection, **Crab Apple** purity and self-acceptance, **Impatiens** peacefulness, **Rock Rose** courage, **Walnut** sensitiveness and adaptability, **Star of Bethlehem** elaboration and resolution.

**INGREDIENTS:** Water, Caprylic/capric triglyceride, Glycerin, Cetearyl alcohol, Prunus amygdalus dulcis oil, Butyrospermum parkii butter, Myristyl myristate, glyceryl stearate SE, Cetyl alcohol, Capryloyl glycine, Cetearyl glucoside, Clematis vitalba flower extract, Prunus cerasifera flower extract, Impatiens glandulifera flower extract, Ornithogalum umbellatum flower extract, Helianthemum nummularium flower extract, Malus sylvestris flower extract, Calendula officinalis extract, Glyceryl caprylate, Glyceryl undecylenate, P-anisic acid, Trisodium ethylenediamine disuccinate, Sodium hydroxide, Xanthan gum.

Prepared with **WHITE Holographic Bioresonance®**  
**method:** light emission through optical filters informed with plant-derived raw material.

**HOW TO USE** Apply on the affected areas, or all over the body, with a gentle circular massage.

**PACKAGING:** 50 ml tube





# GUNA THERAPEUTIC GUIDE

## FIELDS OF APPLICATION

### ALLERGY

GUNA-ALLERGY PREV  
GUNA- ALLERGY T  
GUNA-RHINO NOSE SPRAY  
LOW-DOSE CYTOKINES  
COLOSTRONONI  
ENZYFORMULA  
GUNABASIC  
GUNAELMINT  
OMEOTOX NONI  
PROFLORA

### AESTHETIC MEDICINE

ANTI AGE FACE  
ANTI AGE SKIN  
GUNA-DERMO  
GUNA-MATRIX  
GUNA-LYMPHO  
MADE  
GUNA-COLLAGEN  
LOW-DOSE CYTOKINES  
LOW-DOSE HORMONES  
LOW-DOSE GROWTH FACTORS  
LOW-DOSE NEUROPEPTIDES  
MD-MATRIX  
MD-TISSUE  
GUNAMINO FORMULA  
PROFEM  
PROFOS  
FERROGUNA  
OMEGA FORMULA  
STAMIBIO BEAUTY  
STAMIBIO SERUM  
NATUR 3  
NATUR 4  
NATUR 5  
RESOURCE CREAM  
TAMANU ARNICA

### CIRCULATION

ANTI AGE VEIN  
GUNA-HEMORRHOIDS  
GUNA-HYPERTENSION

LOW DOSE CYTOKINES  
LOW DOSE GROWTH FACTORS  
GUNABASIC  
FERROGUNA  
PROFOS

### DERMATOLOGY

ANTI AGE FACE  
AMTI AGE SKIN  
GUNA DERMO  
LOW DOSE CYTOKINES  
LOW DOSE HORMONES  
LOW DOSE GROWTH FACTORS  
LOW DOSE NEUROPEPTIDES  
COLOSTRONONI  
ENZYFORMULA  
EPATOGUNA  
FERROGUNA  
GUNABASIC  
GUNAMINO FORMULA  
OMEGA FORMULA  
PROFEM  
PROFLORA  
PROFOS  
VIT FORMULA  
TAMANU ARINCA  
STAMIBIO DERM  
STAMIBIO CALMDERM  
STAMIBIO LOTION

### DETOXIFICATION

GUNA-BOWEL  
GUNA-CELL  
GUNA-DIUR  
GUNA-KIDNEY  
GUNA-LIVER  
GUNA-LYMPHO  
GUNA-MATRIX  
LOW DOSE CYTOKINES  
LOW DOSE HORMONES  
COLOSTRONONI  
EPATOGUNA  
GUNABASIC

### ENDOCRINOLOGY

GUNA-FEM  
GUNA-MALE  
LOW DOSE CYTOKINES  
LOW DOSE HORMONES  
LOW DOSE GROWTH FACTORS  
LOW DOSE NEUROPEPTIDES  
COLOSTRONONI  
GUNABASIC  
GUNABRAIN  
PROFEM  
TONICOGUNA

### GASTROENTEROLOGY

EUBIOFLOR  
GUNA-BOWEL  
GUNA-DIGEST  
GUNA-HEMORRHOIDS  
GUNA-LIVER  
GUNA-STOMACH  
GUNA-SPASM  
LOW DOSE CYTOKINES  
LOW DOSE HORMONES  
LOW DOSE GROWTH FACTORS  
LOW DOSE NEUROPEPTIDES  
COLOSTRONONI  
ENZYFORMULA  
EPATOGUNA  
GUNABASIC  
OMEGA FORMULA  
PROFLORA

### GYNECOLOGY

GUNA-PMS  
OSTEOBIOS  
GUNA- SPASM  
LOW DOSE CYTOKINES  
LOW DOSE HORMONES  
LOW DOSE GROWTH FACTORS  
LOW DOSE NEUROPEPTIDES  
COLOSTRONONI  
FERROGUNA  
GUNA BASIC

GUNABRAIN  
OMEGA FORMULA  
PROFEM  
PROFLORA  
PROFOS

## **IMMUNE STRENGTHENING**

CITOMIX  
GUNA-REACT  
GUNA-TONSILS  
GUNA-VIRUS  
MICOX  
LOW DOSE CYTOKINES  
LOW DOSE HORMONES  
LOW DOSE GROWTH FACTORS  
LOW DOSE NEUROPEPTIDES  
COLOSTRONONI  
GUNAMINO FORMULA  
OMEOTOX NONI  
PROFLORA

## **PAIN MANAGEMENT (OSTEO-ARTHRO-MYO- FASCIAL PATHOLOGIES)**

GUNA COLLAGEN MEDICAL DEVICES  
GUNA-ARTHRO  
GUNA-FLAM  
GUNA-SPASM  
OSTEOBIOS  
LOW DOSE CYTOKINES  
LOW DOSE GROWTH FACTORS  
LOW DOSE NEUROPEPTIDES  
PROFOS  
GUNAMINO FORMULA SPORT

## **PSYCHOSOMATIC DISORDERS**

ANTI AGE STRESS  
GUNA- ADDICT 1  
GUNA-DIZZY  
GUNA-MOOD  
GUNA-SLEEP  
GUNA-GERIATRICS

GUNA-AWARENESS  
LOW DOSE CYTOKINES  
LOW DOSE HORMONES  
LOW DOSE GROWTH FACTORS  
LOW DOSE NEUROPEPTIDES  
COLOSTRO NONI  
FERROGUNA  
GUNABASIC  
GUNABRAIN  
PROFLORA  
TONICOGUNA  
GUNA BACH FLOWERS

## **RESPIRATORY /COLD AND FLU)**

CITOMIX  
GUNA-COUGH  
GUNA-FLAM  
GUNA-FLU  
GUNA RHINO NOSE SPRAY  
GUNA SINUS NOSE SPRAY  
GUNA ORAL SPRAY  
LOW DOSE CYTOKINES  
COLOSTRONONI  
PROFLORA  
OMEOTOX NONI

## **TRAUMATOLOGY**

GUNA COLLAGEN MEDICAL DEVICES  
GUNA-ARTHRO  
GUNA-SPASM  
OSTEOBIOS  
LOW DOSE CYTOKINES  
LOW DOSE GROWTH FACTORS  
LOW DOSE NEUROPEPTIDES  
GUNABASIC  
GUNAMINO FORMULA SPORT  
PROFOS

## **SPORT MEDICINE**

GUNA COLLAGEN MEDICAL DEVICES  
OMEOSPORT  
LOW DOSE CYTOKINES

LOW DOSE HORMONES  
LOW DOSE GROWTH FACTORS  
LOW DOSE NEUROPEPTIDES  
GUNAMINO FORMULA SPORT  
COLOSTRO NONI  
EPATOGUNA  
FERROGUNA  
GUNABASIC  
BRAIN  
PROFOS  
TONICO  
VIT FORMULA

## **YEAST PROBLEMS**

EUBIOFLOR  
MICOX  
LOW DOSE CYTOKINES  
GUNABASIC  
PROFLORA

