

Revolutionary Electrotherapy



SCENAR

for medical professionals

www.scenar.com.au

Self Controlled Energo Neuro Adaptive Regulator

- Ideal for
- Physiotherapists
 - Chiropractors
 - Nurses
 - Osteopaths
 - Rehabilitative Therapists
 - Sports Medicine Therapists
 - Massage Therapists



SCENAR Technology

Bipolar electro-impulses

SCENAR generates a **non-damaging and high-amplitude bipolar electro-impulse**, which resembles the body's physiological bio-currents.

Due to the **unique physical characteristics** of the SCENAR impulse, the excitation of the **thin peptidergic C-fibres is higher** in comparison with other methods of electrotherapy. In this way, without disturbance to cell function, a **maximal part of the nervous tissue is activated**, which is necessary for the achievement of optimal adaptation response from the patient's body.

Individually dosed influence

In SCENAR technology, the method of individually dosed influence is realized using as a main criteria the **lack of further dynamics** of the complex impedance of the skin.

SCENAR technology is based on the concept, that the **minimal dose**, necessary for achieving the desired effect, **is optimal**. The emphasis is put on the informational rather than the energetic component of the electrotherapeutic action.

Bio-feedback

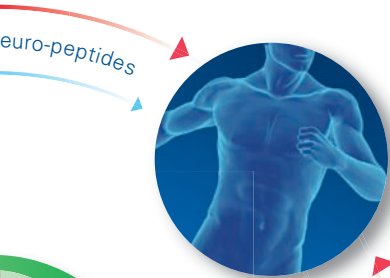
SCENAR is the **first electrotherapeutic device in the world** working on the principle of **real time biological feedback** between the device and the body. Reading the permanent change of the skin impedance, SCENAR constantly modulates the form of its impulse.

As a result **each impulse is different in form from the previous one**, which prevents the development of accommodation to the action before the organism has generated enough amounts of neuropeptides, necessary for overcoming the pathological process and achieving the restoration of homeostasis.

Apart from the unique characteristics of the acting impulse and the presence of biological feedback, the considerably higher effectiveness of SCENAR in comparison with the common methods of electrotherapy is due to the possibility of SCENAR to be carried out during the therapeutic process itself, which permits the evaluation of the effectiveness of the procedure and its optimization effect.



RITMSCENAR Professional devices



SCENAR is a non-invasive, bio-feedback medical modality that stimulates and helps to regulate the body's inherent self-healing resources.

SCENAR Technology was invented and further developed by **RITM OKB ZAO**.

RITMSCENAR Professional series devices are designed **for medical and health care practitioners** such as Physiotherapists, Chiropractors, Nurses, Osteopaths, Rehabilitative Therapists, Massage Therapists and Sports Medicine Therapists to complement their treatments or to provide specialist SCENAR therapy.

RITMSCENAR Pro and Pro Plus are **micro-computers** with built-in electrodes that deliver complex electrical signals directly, through the skin.

The **SCENAR** uses a sophisticated software program which controls and automatically changes the impulse waveforms and frequencies to prevent the body from

adapting to the stimulation.

The RITMSCENAR Pro and Pro Plus series measure the electrical activity of the body (skin impedance) and displays the information on an LCD screen. This allows the medical practitioner to view current readings and choose the most appropriate mode of operation and zone of treatment.

RITMSCENAR Pro: the entry level Professional SCENAR device has a subjective, non-diagnostic mode (Diag 0), as well as an objective diagnostic mode – Diag1, enabling the operator to localize the most optimal treatment zone and time.

RITMSCENAR Pro Plus, the most multifunctional and advanced model supports two diagnostic modes: Diag 1 and Diag 2 and one Screening mode – Diag 3.

Different Frequencies can be utilized for treating degenerative processes (low frequencies 15-60 Hz) or for treating inflammatory processes in acute state (high frequencies above 120 Hz). Both

the **Pro** and **Pro Plus** have a Frequency Modulation function, with the **Pro Plus** having a further four Frequency Modulation settings - Swing modes: Sw1, Sw2, Sw3 and Sw4. The Swing Mode is used by advanced SCENAR users to treat specific complaints.

The RITMSCENAR Pro and Pro Plus can be set up with various amplitude modulations depending on the stage of the complaint process, treatment area and the individual response of the body.

Five Damping modes are used according to the complaint phase, skin sensitivity and body response.

The operator can control and modify the complex electrical waveforms and frequencies of the SCENAR device such as impulse intensity, duration of gaps between impulses, power influence and other parameters of the device to achieve optimal treatment results.

Device Parameters



RITMSCENAR PRO PLUS

RITMSCENAR PRO

Diagnostic Modes	Diag1, Diag2, Diag 3	Diag1
Dose indication	Sound and symbolic	Sound and symbolic
Damping	4 constant modes, 1 variable mode	4 constant modes, 1 variable mode
Amplitude modulation	1 : 1, 2 : 1, 3 : 1, 4 : 1, 5 : 1	1 : 1, 2 : 1, 3 : 1, 4 : 1, 5 : 1
Frequency modulation	30 - 120 Hz, cycle 7 sec; swing (4 modes)	30 - 120 Hz, cycle 7 sec
Influencing impulse frequencies	15-350 Hz	15-350 Hz
Intensity <i>(the number of impulses in a packet)</i>	1 ... 8	1 ... 8
The duration of gaps between impulses in a packet Z	200 ... 1600 µsec	200 ... 1600 µsec
Amplitude of the stimulating pulse at a standard load	(1,7-2,5) ... (100-150) V	(1,7-2,5) ... (100-150) V
Indicator	Graphic LCD with backlight	Graphic LCD with backlight
No of personal sets of parameters	Up to 5	Up to 5
Power supply	three 1.5V alkaline batteries (AA)	three 1.5V alkaline batteries (AA)
Temperature	10 to 35C (Operating) -50 to 50C (Storage & Transportation)	10 to 35C (Operating) -50 to 50C (Storage & Transportation)
Weight	0.4kg	0.4kg
Dimensions	190 x 70 x 40mm	190 x 70 x 40mm
Warranty	2 years	2 years

Optional Probe electrodes

A variety of RITMSCENAR electrodes are available for treating specific areas of the body.



Added Benefits

- Using the **SCENAR** device is **not physically demanding**
- The **SCENAR** device is **small and easily portable**
- The **treatment is comfortable and non-invasive**
- The **are very few contraindications** such as pacemaker, pregnancy, serious mental disorders
- **Various attachments** for different applications

Indications

The **RITMSCENAR Pro** and **Pro Plus** are **professional electro-bio-controlled devices** ideal for pain management in various functional and pathological processes.

SCENAR does not treat a particular disease or condition, it stimulates and helps to regulate the body's own healing recourses.

SCENAR therapy can be used as a complementary or mono therapy in the treatment of:

- **nervous system** (various backbone diseases with secondary disorders of nervous activity, with static and dynamic disorders, backbone deformation; radiculitis, neuritis, disorders of blood cerebral circulation and their consequences, diseases of vegetative nervous system, etc.);
- **osteomuscular system** (myositis, arthritis, arthrosis, soft tissue bruises, fractures);
- **respiratory system** (tracheitis, bronchitis, acute respiratory diseases (ARD), acute respiratory virus diseases (ARVD), pneumonia, pleurisy, bronchial asthma);
- **cardiovascular system** (ischemia (coronary heart disease CHD), hypertension, hypotonia, various forms of arrhythmia), disorders of extremities vessels (endarteritis, varicose veins, microcirculation disorders, trophic ulcers);
- **digestive system** (gastritis, enteritis, colitis, cholecystitis, hepatitis); urogenital system (pyelonephritis, cystitis, menstrual cycle disorders, inflammation of ovaries, sterility, gestational toxicosis);
- **dental diseases** (parodontosis, periodontitis, pain relief).

Compatibility with other therapies

When integrated appropriately, **SCENAR treatment is compatible with most other therapies.**

Combining SCENAR Treatment with the **Healing Blanket** will over time gently restore

the body's energy balance and rejuvenate the body. **It is an outstanding complement to SCENAR therapy** or as a stand-alone treatment, great for both acute and chronic complaints.



Publications

- Biocontrollable electrostimulation in clinics of nervous diseases - Likarska Sprava 2002;(7):68-70
- The effectiveness of SCENAR therapy in complex treatment of duodenal ulcer, and the mechanisms of its action – Klinicheskaia Medicina, 2006;84(7)
- SCENAR-technology for chemotherapy-induced neurotoxicity - Supportive Care in Cancer, 2008
- Role of autonomic dysfunction syndrome SCENAR-therapy in various somatic pathology - Rostov State Medical University



Full texts of the articles are available for download at www.ritm-scenar.com.au/technology/publications

Clinical trials

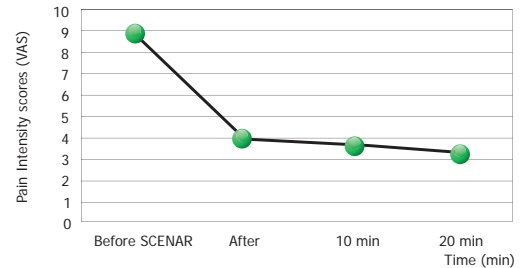
Pain management in Emergency

Professor Tarakanov, M.D., Head of Department Acute Care and Emergency, Rostov State Medical University

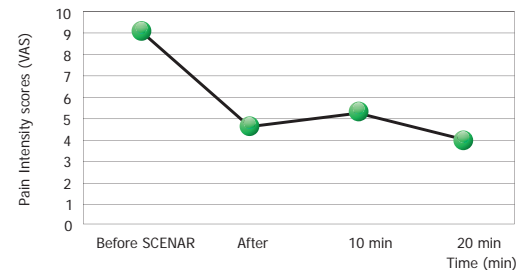
Results of **SCENAR** monotherapy of pains in emergency –analgesia against a background of nor-normalized function of organs at stenocardia (n=26, 66%); hypertensive crises at cardialgia (n=153, 91%)



Analgesic effect of SCENAR treatment at traumas



Analgesic effect of SCENAR treatment at stenocardia



Training

Specialized training (at least Level 1) is required prior to using RITMSCENAR Pro and Pro Plus to treat patients.

Three levels of training are available to **RITMSCENAR Professional users** that cover theoretical and practical application of the device and technology.

Certificates are provided to justify the completion of the course.

Level 1 - Entry level in the SCENAR therapy - basic knowledge about the device, functionality and the most common treatment techniques, practical applications

Level 2 - Intermediate Level SCENAR therapy training course - detailed explanation of the SCENAR technology, special device modes, introduction to energy medicine

Level 3 - Advanced Level SCENAR Therapy - the highest level of SCENAR training. Presents holographic techniques in SCENAR therapy, special practices, zero acceleration techniques.

Cosmetology course - Introduction of the SCENAR therapy in Cosmetology. Anti-age, anti-acne, lifting, cleansing techniques.
Prerequisite - Level 1

For more information about training options, please contact **Global SCENAR Academy – the Authorised Training Centre for RITMSCENAR devices:**



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Certificates



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SCENAR

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