

HEALING BLANKET APPLICATIONS

*Tarakanov A., Klimova L., Milyutina N., Datchenko A.,
Rostov-on-Don, Russia*

Specific Action Mechanisms Of The Healing Blanket

The influence of a single application of the medical healing blanket (Multilayer Treatment Blanket - MTB) and of the placebo-blanket upon certain factors of homeostasis of practically healthy individuals was analyzed.

The dynamics of changeability of systolic (SP), diastolic (DP) and average dynamic (ADP) pressure levels were studied, as well as the activity of processes of peroxidisation of lipids (POL) and the state of antioxidised system (AOS) of the plasma and the erythrocyte, and parameters of the structural and functional characteristics of the erythrocyte membranes. The study was conducted on two groups of practically healthy individuals, under the ages of 20 to 52 (7 men and 11 women). In the first group the subjects were covered once, fully, for 30 minutes with the (MTB). In the second group the placebo-blanket was used instead.

Immediately after the procedure, in the first group a modest decrease of SP, DP and SDP (respectively with 5.8%, 2.8 % and 4.1%) was noted. In the second group, SP decreased by 23.9 % ($P < 0.001$), DP was increased by 21.3% ($P < 0.05$), SDP practically did not change. 1.5 hours later, after the completion of the procedure, in Group I the tendency towards a decrease of SP, DP and SDP became greater (respectively with 7.0%, 5.6%, 6.2%). In Group II the numbers practically returned to the original.

In the investigation of the level of nitrose-hemoglobin (NOHb) we established a direct linear dependence of its level upon the level of SDP. The analysis of data concerning the level changes of (NOHb) with the use of the MTB and Placebo showed a tendency towards a decrease of SDP under the influence of the MTB, related to the possible release of NO as a relaxant factor.

In Group I the data of the POL/AOS system of blood plasma is characterized by a modest activation of the free-radical processes and lipoperoxidation, accompanied by multidirectional changes of the activity of enzymatic antioxidants. Group II showed a clear tendency of a decrease in the accumulation of free radicals and products of POL, as well as decrease in the activity of the enzyme element of AOS.

The tendencies of change in the erythrocyte level data of the POL/AOS system were similar in both groups, but showed a much greater decrease in the accumulation of products of POL in Group II. The activation of the erythrocytes SOD and catalysis was more evident in Group I. In Group I the functional possibilities of the membrane worsened compared to the initial data, in Group II such dynamics were less clear.

Thus the comparative analysis of the data of chemo dynamics and of the POL/AOS system of the blood plasma and of the erythrocytes (the cell model) with the single use of the MTB and Placebo showed a principal difference in their influence on the organism of a healthy individual. The use of the TMB can be characterized as an adequate training method for one of the homeostatic systems of the human organism.

SCENAR TECHNOLOGY OVERVIEW

The name SCENAR derives from: **Self-Controlled Energo-Neuro-Adaptive Regulation.**

The SCENAR is an electronic-therapy device invented by a team of Russian Scientists (Alexander Karasev and Prof. Revenko) and developed further by RITM OKB ZAO in the 1980's for use in space, where cosmonauts would have a means of treating themselves in orbit, without the need to take drugs.

RITM OKB ZAO is the only manufacturer of the original SCENAR technology.

RITM OKB ZAO now has set up a branch in Australia - RITM Australia to provide local support for their products - SCENAR devices for Professionals and Home user and Healing Blankets.




RITM SCENAR devices are CE Mark certified (the highest standard for manufacturing medical devices in the world), ISO 9001, ISO 13845.

RITM SCENAR devices are also included in the Australian Register for Therapeutic Goods Administration under TGA # 140659.

At present the SCENAR medical devices have been recognized in 60 countries all over the world: the United Kingdom, Australia, New Zealand, the Netherlands, Austria, Germany, Italy, Israel, Hungary, Czech Republic, Turkey, South Korea, the US, etc.

Over 6,000 doctors are now using the Scenar as an integral part of their medical practice.

The product range includes professional devices and devices for home users and sportsman, Healing Blankets and accessories.

	Professional series SCENAR devices – for medical practitioners and therapists
	Home SCENAR device series – sportsmen and personal home use
	OLM Healing Blankets and their modifications