

THE **BEOSIGNER**®

A SCIENTIFIC EVALUATION

Investigation of the effect of the Vitaliser of the company Vitarights Innovations GmbH on the vegetative regulation and regeneration, Münster, 27.9.2018.

Test report by the ISGM (Institute for Sports Science and Health Management, Meppen) in cooperation with the ISIS ((Institute for Somnology and Interdisciplinary Sleep Research, Münster), Team Physiology, which is partially accompanied by other research facilities and institutes.

The examinations were conducted with the High Tech Vitalizer, the predecessor of the Beosigner®. All study results can be transferred to the Beosigner® because this device uses the same technology. Cf. Identity statement from ISGM, Münster 25.5.2021.

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Using a randomized, evidence-based blind study, the effects of the Vitalizer were repeatedly confirmed. This study is part of an open project carried out by the ISGM (Institute of Sport Sciences and Healthcare Management, Meppen) in cooperation with the ISIS (Institute for Somnology and Interdisciplinary Sleep Research, Münster), Team Physiology, and partially accompanied by other research facilities and institutes.

Based on scientifically accepted procedures, the present study has shown that solely by vitalizing water a significant reinforcement of the autonomic nervous system is recorded. In particular, the effect of a still mineral water informed by the Vitalizer was examined during relaxation exercises. The here described part of the examination covered a period of 3 months.

Test participants were male competitive and recreational athletes of various disciplines including soccer, handball, tennis, and volleyball. These athletes followed a structured, periodical training. A sprint test (10 m, 30 m) and PWC 150 test (ergometer) served as training parameter.

All collected data show improvement of regeneration after utilizing the Vitalizer. This is recognized by:

- **significant improvement of vital signs, stress reactivity**
- **significant augmentation of the phase angle, which is considered as vitality barometer displaying the regulation ability of cells**
- **significant improvement of heart rate variability (HRV)**
- **personal evaluation of general well-being**

This complex procedure, utilizing high-quality medical test devices, measured various body reactions amongst others metabolic and health relevant bio-electrical changes such as phase angle shifts, stress resistance by measurement of baroreceptors in connection with vascular condition and blood pressure regulation, or the quality of the vegetative nervous system by measuring the heart rate variability.

The results of this study substantiate the hypothesis that water informed by the Vitalizer supports the regeneration of recovery phases and enhances relaxation processes. The lower respiratory rate and pulse values, as well as the higher skin resistance values, presume a generally improved relaxation.

The considerably declined pulse values during relaxation exercises were especially noticeable. Regarding the development of the phase angle (the larger, the better the regeneration), it showed that athletes undergoing intensive training, especially during poor regeneration phases (small phase angle), achieved improved phase angles much faster when utilizing the vitalized water.

During the sleep phase of the 2nd phase, significantly lower heart frequency rates were measured in the utilizers of the vitalized water. In like manner, the resting heart rate was also achieved faster. Relaxation methods based on bio-feedback also show enforcement in this study.

This means a faster regeneration on all levels for utilizers of the Vitalizer. The vital parameters measured here were only able to convincingly optimize themselves because the vegetative nervous system was optimized in its function.

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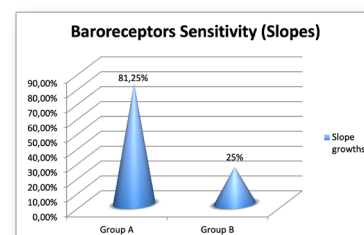
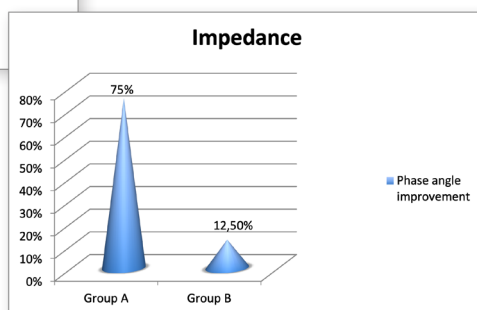
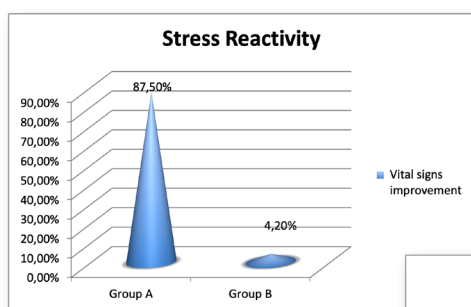
The current study implies that an organism reformed by the High Tech Vitalizer is significantly better capable of self-regulation compared to a non-vitalized organism.

Amongst medical professionals nowadays the principle applies that healing and regeneration processes can only occur in the vegetative relaxation phase.

Further derived findings of this study refer to daily needs:

- increase of working power
- faster recovery after illnesses
- increase of concentration and learning capacity
- due to enhancement of cellular metabolism reduced skin aging process
- regaining fitness

There are clear indications that have arisen in the above mentioned and also additionally conducted studies: Through the information process – induced by vitalization with the High Tech Vitalizer – vital substances enter the body cell significantly faster and with higher bioavailability.



Both groups drank still mineral water of the same manufacturer. **Group A** water was **informed** by the High Tech Vitalizer (developed by the company Vitarights); control **group B** received **NON-vitalized** water.

This study verifies the experience of thousands of utilizers: The Vitalizer promotes vital processes.

"The results of the present study support the hypothesis of improved regeneration, regulation, and vitality."

(Institute of Sport Sciences and Healthcare Management, Meppen)

UNTERSUCHUNG DER AUSWIRKUNGEN DES VITALIZERS
DER FIRMA VITARIGHTS AUF DIE VEGETATIVE REGULATION UND
REGENERATION

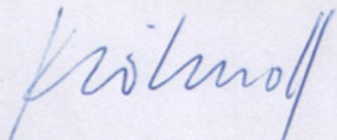
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UNTERSUCHUNG ÜBER DIE AUSWIRKUNGEN DES VITALIZERS DER
FIRMA VITARIGHTS AUF DIE VEGETATIVE REGULATION UND
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Münster, den 27.09.2018
gez. Gerd Rosenberg




Dr. Ing. N. Kröhnoff



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