



Clinical Trials

There have been several studies completed to establish both the physical and clinical effects of KOSMODISK®.

1. To establish the **physical effects** of KOSMODISK®

Dr. Radovan Atanasijević, Institute for Physics, Beograd

- KOSMODISK® does not cause static electricity
- KOSMODISK® is a good air isolator
- KOSMODISK® has a large specific heat capacity

2. To establish the **clinical effects** of KOSMODISK®

Dr. Olga Popović-Mladenović, Institute of Rehabilitation, Belgrade. “The therapeutic application of Kosmodisk in physiatrics”

Dr. Dikić, Dr. Pavlica, Dr. Glišić, Dr. Stefanović, Prof. Dr. Popovič, Clinic for Rheumatology, Belgrade. “Clinical effects of Kosmodisk on patients suffering from degenerative and inflammatory diseases of the spinal column”

Michael C. Hagan, Village Professional Healthcare, Inc. “The effects of the Kosmodisk in subjective and clinically objective findings on a random group of patients”

- The results of the study showed a positive effect from using KOSMODISK® in 83% of cases. No negative effects or allergic manifestations were recorded in any patients.
- KOSMODISK® showed a positive, analgesic effect in 90% of patients with degenerative diseases of the spine and in 70% of patients with inflammatory diseases of the spine.
- The medical conditions of the patients in this study were of a chronic nature. The device helped these patients with the management of their pain as well as increased the functional range of motion. By using patients with chronic conditions for this study, it is reasonable to assume that the KOSMODISK® helped reduce the related symptoms and findings.



Details of the Trials

The therapeutic application of KOSMODISK® in physiatrics

187 patients, aged 31 to 74, took part in this study.

Patients were divided into 3 groups:

- patients suffering from degenerative rheumatism
- insulin dependent diabetics with sensitive neuropathy of lower extremities
- acute sports injuries

The KOSMODISK® was applied during seven successive days for at least 3 hours a day

CONCLUSION: The results of this clinical study show positive effects in 83% of cases and show no negative effects, no allergic manifestations were recorded in any patients.

The Kosmodisk can be effectively applied to those patients suffering from degenerative rheumatism and other degenerative inflammatory diseases.

In patients suffering from sensitive polyneuropathy it is most effectively used as a belt wrapped around the extremities or as a muff.

For acute sports injuries, the KOSMODISK® is to be applied immediately after the injury since its effect is high in distortions.

Clinical effects of KOSMODISK® on patients suffering from degenerative and inflammatory diseases of the spinal column.

20 patients, aged 25 to 67, were treated with the KOSMODISK®.

- Ten patients were suffering from inflammatory diseases of the spine
- Ten felt discomforts of a degenerative nature.

The patients wore the KOSMODISK® for 10 days, with a minimum of 5 hours a day

CONCLUSION: KOSMODISK® showed a positive analgesic effect in 90% of patients with degenerative diseases of the spine and in 70% of patients with inflammatory diseases of the spine.

The analysis of subjective parameters showed that night pain disappeared in 54% of patients and decreased in 36% after wearing the KOSMODISK®. **In 13% of patients pain symptoms completely disappeared after the application of the KOSMODISK®.**



Morning stiffness was reduced in patients with inflammatory rheumatism, but was not statistically significant.

The effects of the KOSMODISK® in subjective and clinically objective findings on a random group of patients.

20 patients (10 male, 10 female), aged 27 to 83, were treated with the KOSMODISK® for various musculoskeletal spinal disorders.

CONCLUSION: The medical conditions of the patients in this study were of a chronic nature. The device helped these patients with the management of their pain as well as increasing their functional range of motion.

By using patients with chronic conditions for this study, it is reasonable to assume that the KOSMODISK® helped reduce the related symptoms and findings.

57% of the patients reported a decrease in pain, 45% were found to have a decrease in muscle spasm, 67% showed an increase in ROM and 28% of patients had less pain when foraminal compression was performed.

There were no undesired manifestations as a result of wearing the KOSMODISK®