

Innovative orthopedic spine relief mechanism "Korden"

"Korden" is designed to adjust the spine, eliminate joint and muscle pain, deep paraspinal muscle relaxation, healing and correction of functional state of the spine. The mechanism allows selectively affecting each spinal vertebra, reducing pressure and moves intervertebral discs back to normal. It restores mobility of all joints of the spine. Form "Kordena" takes into account the characteristics of each area of the spine. Method of auto gravity therapy is safe and physiological for the spine, because the effect is the own weight. This technique has long been used by practitioners of Eastern medicine. "Korden" may be used at domestic works and also in medical - preventive facilities; it can be easily taken it with you on the road.

Innovation and mechanism of work:

Korden deservedly became part of the best innovation project in 2010-2011 and at the International Eurasian Innovation Congress "Innoprom 2012.

"The innovative features and properties of mechanism" Korden ":

Unique technology rectifying spasm (in hypertonus) muscles of the spine due to the form of the mechanism. The design of the mechanism Korden affects deep paravertebral muscles; it releases their hypertonus and restores function of all spinal vertebrae in any area.

Methodology of the mechanism "Korden" is simple and accessible to everyone.

Kordena modification of neodymium nuclei (creating a magnetic field to adjust the charge of erythrocytes) provides improvement of microcirculation in the capillaries in the spine area, which helps speeding up the treatment and normalization of cerebrospinal fluid pressure.

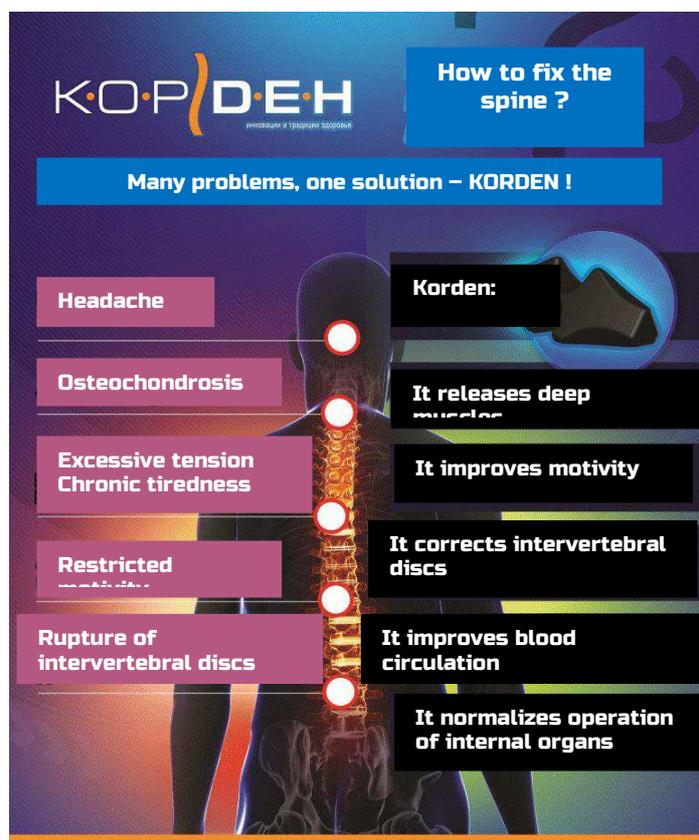
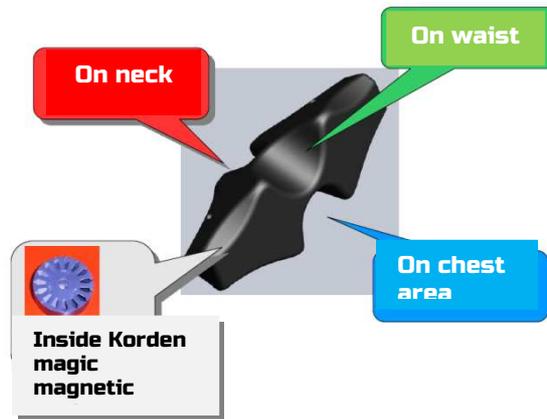


Figure 1: Korden mechanism

Selective effect in each part of the spine

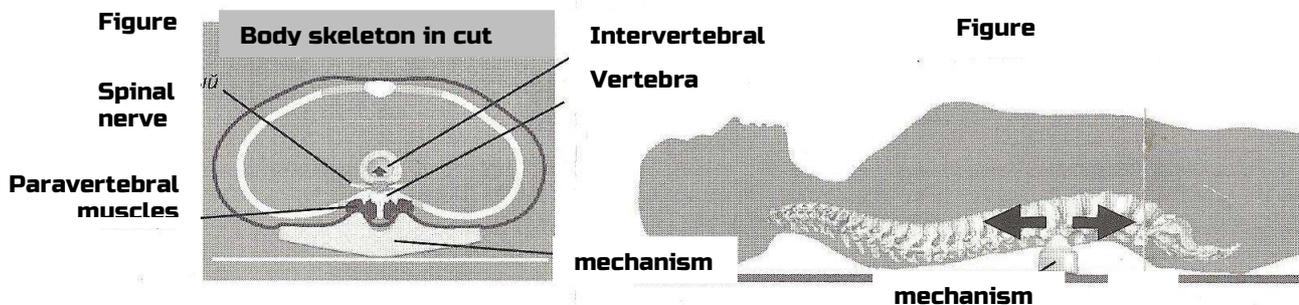


Protrusion of „C" edge are designed to mobilize vertebrae - motion segments of cervical area.

Protrusion of „D" edge are designed to mobilize vertebrae - motion segments of thoracic area of spine.

Protrusion of „L" edge are designed to mobilize the vertebrae - motion segments of lumbar area of spine.

Relief or treatment of spine takes place in leisure time by reducing the weight of your own body (auto gravity therapy) on specialized protrusions of mechanism. Construction of mechanism Korden is calculated based on the anatomical peculiarities of each area of the spine so that the conical mounds of mechanism automatically go into deep paravertebral muscles on both sides, they gradually release them (in the first spasm feels pain, after a few minutes release occurs), do not touch the bone structure , Figure 2



As a result occurs a stretching of the spinal vertebrae in area the placement of mechanism Figure 2.

At the time of stretching spinal vertebrae, there is a "release" of intervertebral discs from the pressure of the vertebrae, paraspinal muscles hypertonus is removed and it also reduces the protrusion / rupture of discs, there occurs the special nerves release (if pinched), and then an immediate improvement of blood circulation and innervation of internal organs.

Multiple paravertebral muscles weakness returns to their normal muscle tonus (muscle blockage of discs is removed), improving the mobility and function of the spine.

Protrusions of mechanism "Korden" correspond with the acupuncture points on the meridians that lie along the spine on both sides thereof, the stimulation of which has a positive impact on improving the function of internal organs!

So, the relaxing and stretching each level of the spine separately, can fully restore the full mobility of the spine (restoring elasticity and flexibility of the intervertebral discs) and excellent blood circulation throughout the deep muscle structure of the back - this fact was confirmed by every good vertebrologist!

This mechanism and innovative design allows getting the desired result, solution of many "problems" of the spine:

**1) Correction of posture - elimination of muscle imbalance.
2) Prevention and treatment of osteochondrosis - removal of spinal muscles**

hypertonus and improvement of nutrition of tissues of needed segment.

3) Removal of protrusions (ruptures) of intervertebral disc - the release of compressed intervertebral discs.

4) Improvement of innervation - relief of the spine removes the pressure on the

nerves, it restores activity innervative internal organs.

Other benefits: attempts to effect the entire spine at once using different, hardly made structures for the entire length of the spine, are not justified - because of its large area of contact with the body and non-ergonomically curved shape, it is not that it would not have the required pressure on deep muscles, but it carries high risk of increased seizure of spinal nerve roots for the patient!

Indications: mechanism "Korden", if used regularly, is effective in:

1. Syndromes of pain and limited mobility in the neck, chest and hip-crisis spine area, conditioned by osteochondrosis with development of functional

reflex block (muscle spasms) of vertebrae motion segments;

2. Posture failures (scoliosis grade I and II);

3. Pain syndrome due to a slight shift of the vertebrae, pseudospondylolisthesis, of protrusions of fibrous ring of intervertebral discs, with development of various neurological syndromes;

4. Back and neck pain in professional and sports excessive muscle tension. Especially at drivers of different types of transport, machine operators and

people with sitting occupations where is the work associated with long-term

one position, and also work with heavy lifting,

5. Headaches in the neck - occipital area, occipital nerves neuralgia;

6. Stiffness of the spine;

7. Vegetative-visceral disorders, depending on the degenerative spinal disorders: heart syndrome, pseudostenocardia, ischemic pain in the vertebra-cardiac syndrome, and also in vegetative vascular dystonia of hypo and hypertensive type, biliary dyskinesia of biliary tract, disorder or change of the function of bronchus and lung, stomach, intestines, liver, pancreas, kidneys, urinary tract, etc. (In the absence of organic damage to

the

existing

organ).

Contraindications:

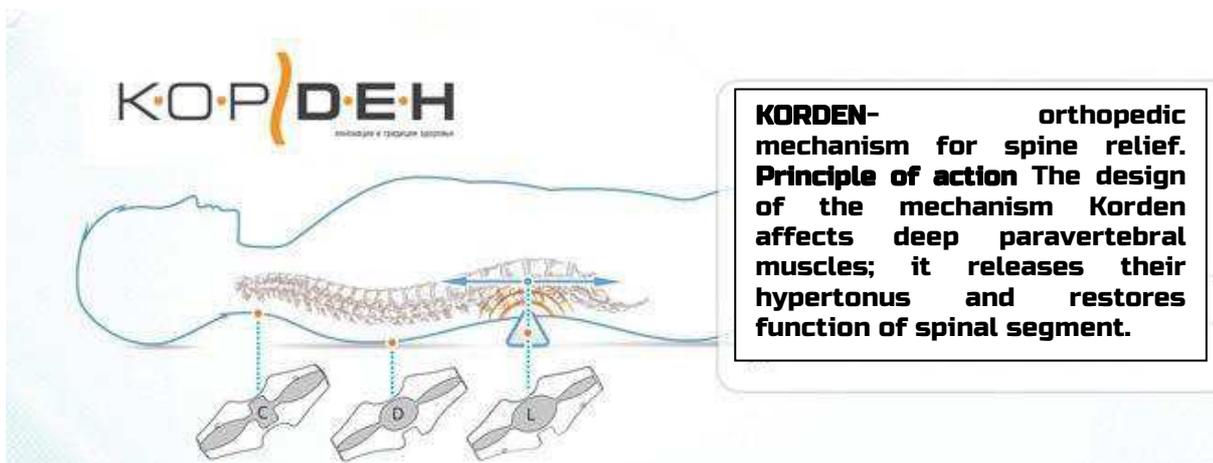
- Specific and non-specific infectious processes in the spine and joints (osteomyelitis of the spine, tuberculous spondylitis, ankylosing spondylarthritis).
- Spine and spinal tumors, malignant tumors in any area.
- The recent traumatic spine injury, severe skull injuries.
- Severe damage to the brain and spinal blood flow (stroke, thrombosis and occlusion of vertebral arteries, etc.).
- Scoliosis III-IV degree curvature of the spine.
- Rupture of intervertebral disc with rupture of fibrous ring.
- Completely immobility of joints (stiffness).
- Severe instability of the vertebrae - lifting segments (phase III-IV) with symptoms of spondylolisthesis.
- Severe, acute diseases of the internal organs.

Scope of application:

Mechanism "Korden" becomes physiotherapy mechanism for recovery and correction of the functional state of the spine. It is suitable for the application regardless of the housework, it can be also used in group gymnastics courses or fitness centers.

Conclusion

Orthopedic mechanism for immediate spine relief "KORDEN" is designed to adjust the spine, eliminate joint and muscle pain, deep paraspinal muscle relaxation, healing and correction of functional state of the spine.



Orthopedic mechanism for immediate spine relief "KORDEN" is designed to adjust the spine, elimination of joint and muscle pain, relaxation of deep

paravertebral muscles, healing and correction of the functional state of spine.

Principle of action:

The design of the mechanism Korden affects deep paravertebral muscles; it releases their hypertonus and restores function of all spinal vertebrae in any area.

Relief or treatment of spine takes place in leisure time by reducing the weight of your own body (auto gravity therapy) on specialized protrusions of mechanism.

The innovative features and properties of mechanism" Korden ":

- Unique technology rectifying spasm (in hypertonus) muscles of the spine due to the form of the mechanism. The design of the mechanism Korden affects deep paravertebral muscles; it releases their hypertonus and restores function of all spinal vertebrae in any area.**
- Methodology of the mechanism "Korden" is simple and accessible to everyone.**
- Kordena modification of neodymium nuclei (creating a magnetic field to adjust the charge of erythrocytes) provides improvement of microcirculation in the capillaries in the spine area, which helps speeding up the treatment and normalization of cerebrospinal fluid pressure.**

This mechanism and innovative design allows getting the desired result, solution of many "problems" of the spine:

- 1) Correction of posture – elimination of muscle imbalance.**
- 2) Prevention and treatment of osteochondrosis - removal of spinal muscles hypertonus and improvement of nutrition of tissues of needed segment.**
- 3) Removal of protrusions (ruptures) of intervertebral disc - the release of compressed intervertebral discs.**
- 4) Improvement of innervation – relief of the spine removes the pressure on the nerves, it restores activity innervative internal organs.**