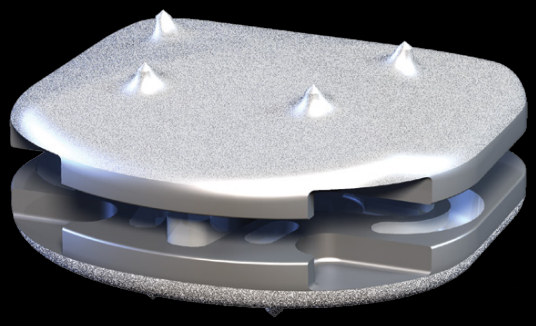
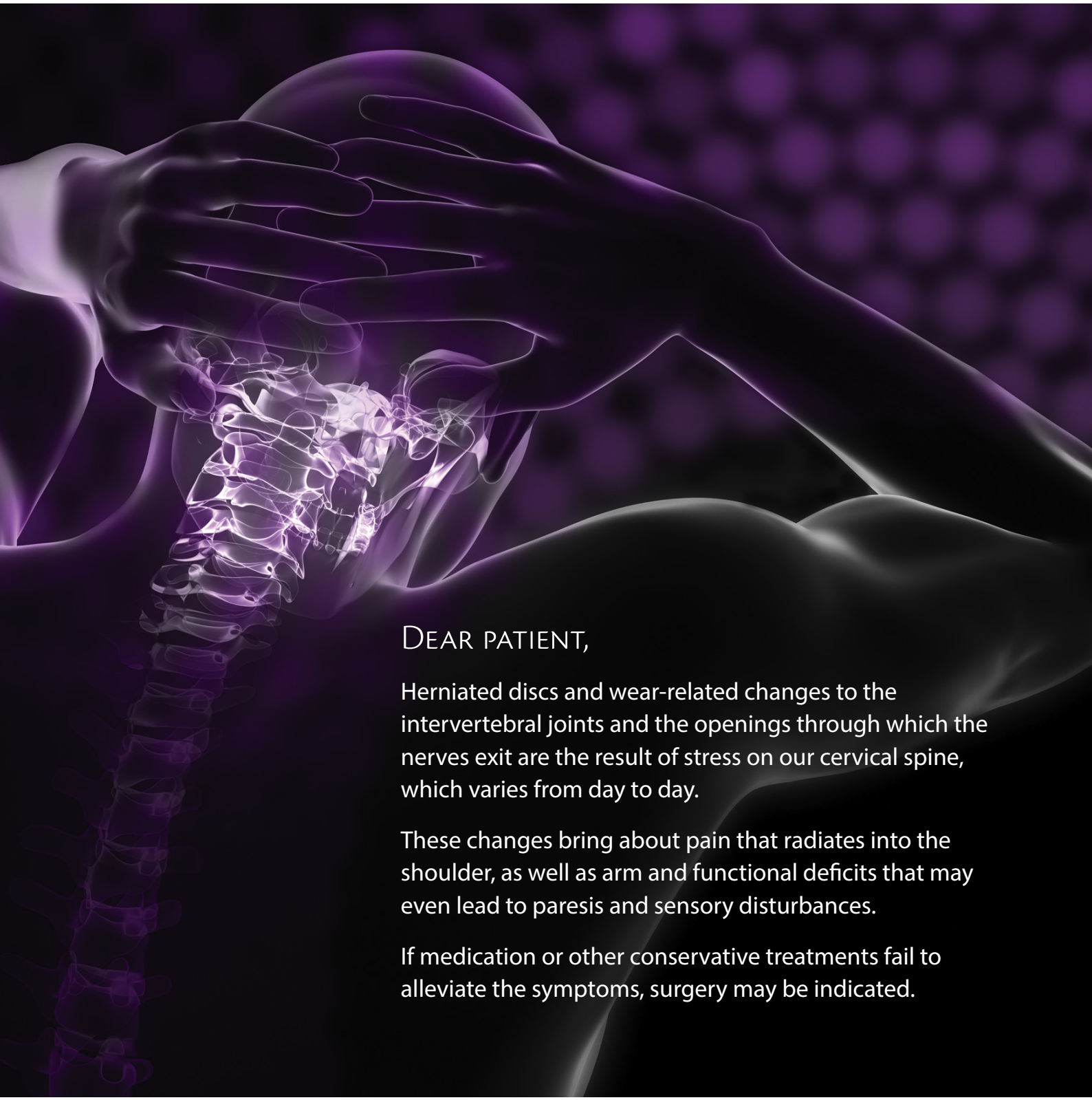
ELASTIC SPINE PAD®

Cervical Prosthesis



Cervical CP-ESP® disc prosthesis

Cervical disc prosthesis - elastic spine pad



Dear patient,

Herniated discs and wear-related changes to the intervertebral joints and the openings through which the nerves exit are the result of stress on our cervical spine, which varies from day to day.

These changes bring about pain that radiates into the shoulder, as well as arm and functional deficits that may even lead to paresis and sensory disturbances.

If medication or other conservative treatments fail to alleviate the symptoms, surgery may be indicated.

Innovative technology for an active life

The goal of treatment is to conserve natural mobility without functional limitations.

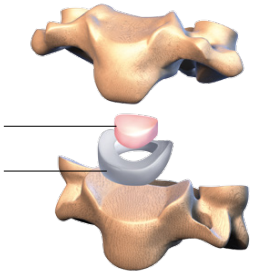
Disc endoprosthesis is especially appropriate for active patients, since it allows them to return to their normal leisure activities and professional life by replacing the deteriorated natural discs with a CP-ESP®.

The CP-ESP® disc prosthesis is the result of years of research and the use of innovative cutting-edge technology.

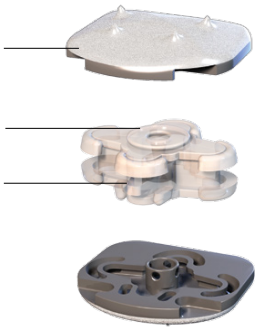
This development allows the disc's mobility to be maintained with all its functions and movements.

This method has already been used successfully for the lumbar spine for over 10 years.

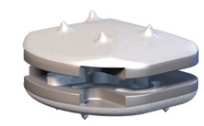
Structure of the natural cervical disc

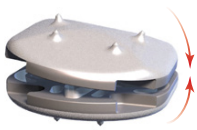


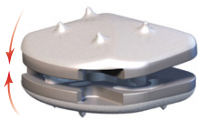
Structure of the CP-ESP® cervical prosthesis

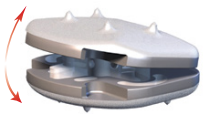


Six degrees of freedom restore your "natural" mobility

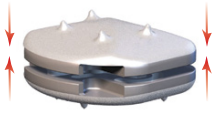

Normal Position


Lateral flexion


Flexion


Extension


Axial rotation


Compression

The CP-ESP® cervical disc prosthesis offers important benefits compared to the methods that are still considered to be the "gold standard" today, since all of the segments of your cervical spine remain mobile. The CP-ESP®'s mobility and shock-absorbing function spare the adjacent segments. With conventional fusion surgery, these segments assume the mobility of the fused disc and are often overloaded.

For you as the patient, this means that your hospital stay will be short. Your mobility will be restored quickly without any unnecessary loss of strength. In turn, you will return to symptom-free normal life quickly.

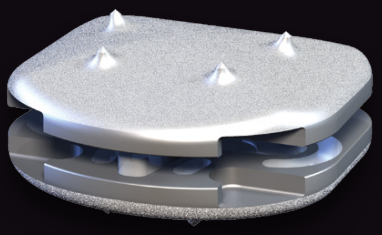
Surgical procedure

The procedure is performed under general anesthesia. An x-ray is taken in order to precisely determine and mark the correct vertebral level and the site for accessing the cervical spine.

After entering the space, your surgeon will remove the deteriorated disc, remove residual tissue from the disc space and relieve the nerve exit openings and the spinal canal of any pressure. In just a few steps, the ideal size and height of the new elastic disc is measured and then the surgeon places the final implant with image guidance.

Once the CP-ESP® has been implanted, another x-ray is performed in order to ensure that the prosthesis is seated properly and is at the right level in the disc compartment. The wound is then closed and after a short recovery period, you can start resuming your regular activities and return to your everyday routine. After the surgery, your surgeon will give you advice about resuming activities and for follow-up care. For you as the patient, after a just short hospital stay, there's nothing stopping you from returning to a symptom-free normal life.

Recovery and a relaxed life after the procedure



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