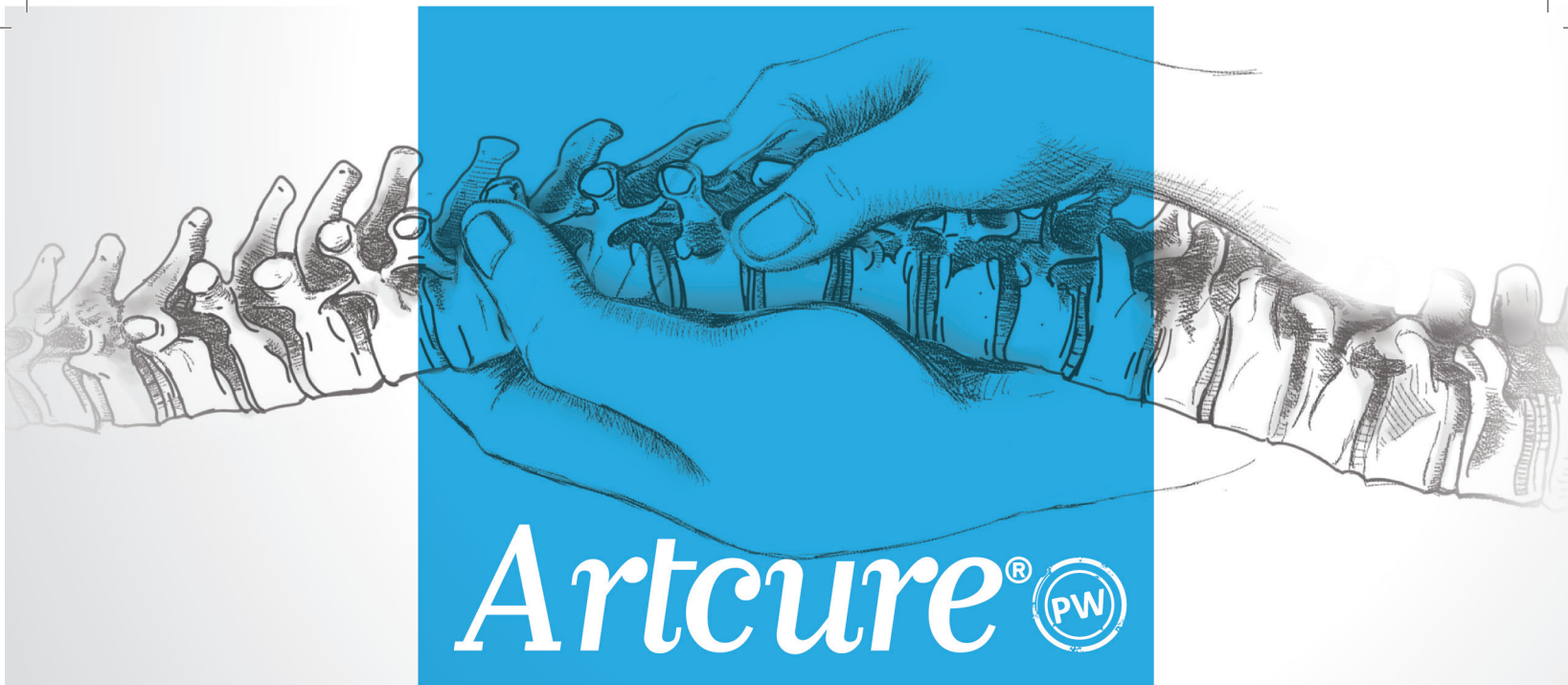




Patent No:
US14/190,197-TR2011/09756,TR2014/00702

NON-INVASIVE SOLUTION FOR LUMBAR AND CERVICAL DISC HERNIATION



Diffusional
Patch & Gel



Disc Herniation

There are 33 vertebrae in an adult spine and between each vertebra, a structure called discus intervertebralis serves as a cushion. Inside of this structure is called nucleus pulposus which is a gelatinous form consisting of approximately 80% water. The cushion is wrapped by a solid structure with good elasticity which is called annulus fibrosus. Disc hernia occurs when the solid ring wrapped around the disc is ruptured and the gel-like portion to bulge out beyond the damaged outer ring. If such bulged portion causes pressure on spinal nerves, the resulting clinical condition is called spinal disc herniation. If such condition occurs in cervical disc, it is called cervical disc herniation; similarly, if it affects the lumbar area, it is referred to as lumbar herniation.

For more information www.artcure.com

*"LUMBAR AND NECK PAINS
IS THE SECOND MOST
COMMON CONDITIONS,
SONRA UPPER RESPIRATORY
TRACT CONDITIONS,
AFFECTING PEOPLE AND
IN MOST CASES, THIS
PAIN IS CAUSED BY DISC
HERNIATION."*

What is Artcure® PW

Combination of the words ART and CURE, ARTCURE® PW is a new system which will change the existing treatment protocols and do it deeply and naively without damaging, just like making art.

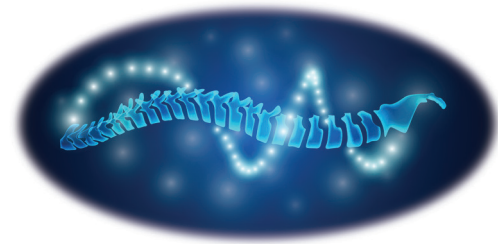
ARTCURE® PW is the only product applied transdermally which ensures relieve on the pressure on the spinal line by making the disc herniation smaller than the body mass thanks to its mechanical effect.

Patients do not require presenting an MR to apply ARTCURE® PW. This requirement serves to establish the right indication as not all neck and lumbar pain may not be based on herniation. Following clinical recovery of the patients SONRA the treatment, MR is asked to demonstrate the effect.

ARTCURE® PW, with its high rates of clinical achievement in very short time and low rates of adverse effects, is the most effective treatment support to the existing protocols.

Artcure® PW DP contents:

Oleum limonis,
Oleum thymi,
Oleum nigra,
Oleum rosmarini,
Oleum chamomilla ,
Oleum lauri expressum and special carriers



Mechanism of Action

Artcure® PW Diffusional Patch is not a medicine. Its effects are mechanical. The system achieving such mechanical effect is the formed fatty molecules inside Artcure® PW DP.

With its designated ARTCURE® PW carrier, ARTCURE® PW components reaching nucleus pulposus (herniated disc) ensure that the water inside the nucleus pulposus (which is approximately 80% in volume) is bulged out; therefore, mass of the herniated nucleus pulposus is significantly reduced. Once the nucleus pulposus becomes lighter, it makes less pressure on the nerve root and spine itself. This in return significantly relieves the patient's pain.

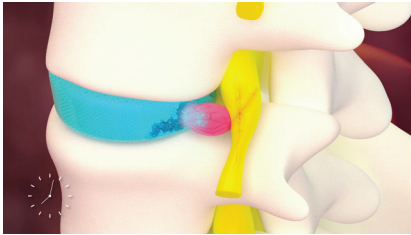
Disc is a tissue without venous structure, so it does not nurtured by blood. Diffusion is what makes the disc remained nurtured. The inner portion is a gel-like substance. The outer ring is a controlled semi permeable structure. Permeability increases in the corrupted or ruptured disc section due to herniation, making penetration of the formed fatty molecules inside Artcure PW possible. Artcure® PW may not penetrate the healthy disc with an intact outer ring. Therefore, it only affects the herniated section.

With the penetration of formed fatty molecules with low concentration to the herniated section, osmotic pressure in the herniated disc section is reduced. Concentration and viscosity of the herniated disc section also decrease compared to the surrounding tissues. Liquid inside the herniated hyposmolar disc is dislocated towards the surrounding tissues with more hyposmolarity. Thus, mass of the herniated disk is reduced as well as its pressure on the nerve tissue.

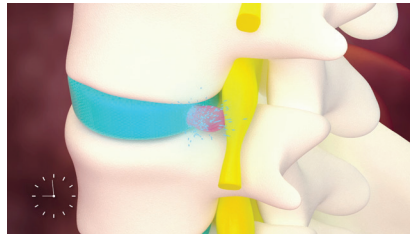
As a result, Artcure® PW is a non-invasive method that can be tried before surgical operations.

The Effect Mechanism Artcure® PW DP On Patients Who Have Disc Herniation

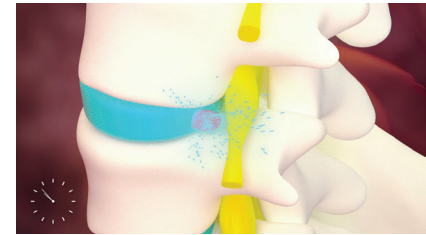
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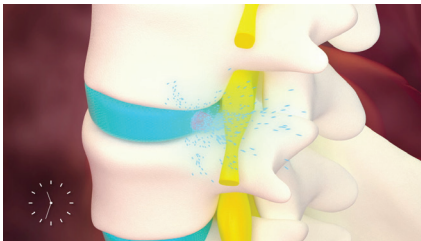
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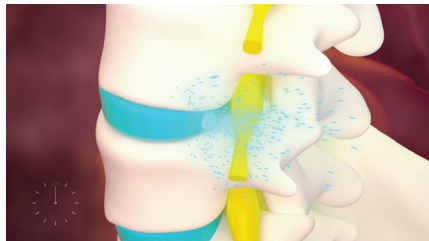
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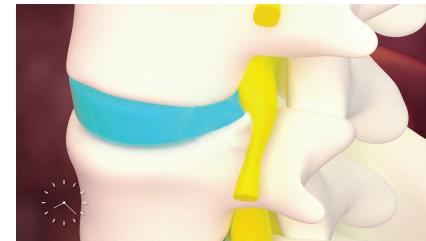
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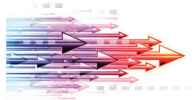


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Effect of Artcure® PW DP

Rapid Action



To get the expected action, the patient must remain in rest position for 24 hours After ARTCURE® PW is transdermally applied on the herniated section. ARTCURE® PW is the treatment support ensuring rapid recovery from disc herniation without having to interrupt your work life.

High Rates of Success



When applied to the right patient, ARTCURE® PW shows high rates of success

Low Cost



Compared to other treatment methods, total treatment costs of ARTCURE® PW is significantly lower. ARTCURE® PW DP's cost-efficiency analysis demonstrates its economical benefits.

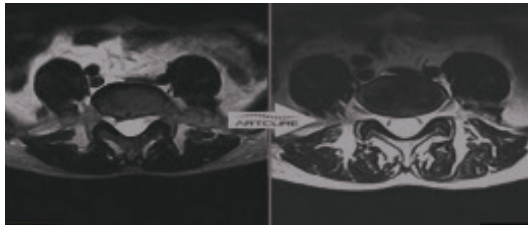
Low Relapse Rate



Since the application of ARTCURE® PW does not disrupt the integrity of human anatomy, the chances of relapse are significantly low. Patients recovered from the symptoms must however continue to avoid impacts which would cause disc herniation in their daily routine.

At the result of MRI imaging after 4 weeks, massive contraction is observed on the patients' herniated areas (Patient 1, 2, 3, 4).

PATIENT 1



BEFORE

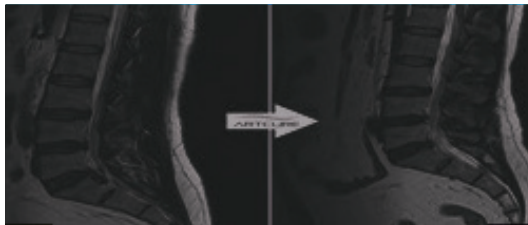
AFTER



BEFORE

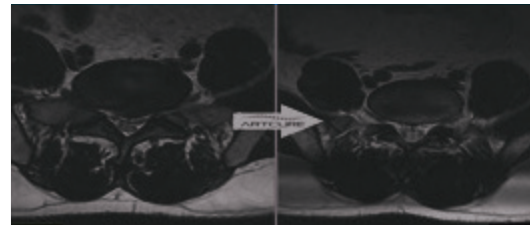
AFTER

PATIENT 2



BEFORE

AFTER

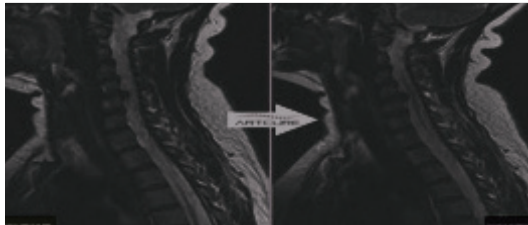


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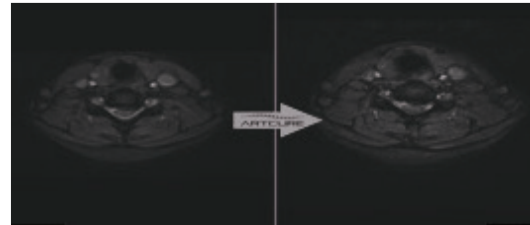
At the result of MRI imaging after 4 weeks, massive contraction is observed on the patients' herniated areas (Patient 1, 2, 3, 4).

PATIENT 3



BEFORE

AFTER



BEFORE

AFTER

PATIENT 4



BEFORE

AFTER



BEFORE

AFTER

Indications

It is indicated in treatment of **protruded, extruded, sequestered, fragmented cervical, lumbar, thoracic disc herniation with median and/or paramedian location.**

The reason of pain, discomfort, complaint must be the disc herniation. If the pain / discomfort is caused by an additional pathology such as foraminal stenosis, calcified disc, spinal narrow tract, instability.

Application

The product is applied as shown in the brochure. Absolute bed rest is necessary for 24 hours after the application, except basic physical needs.





First of all, open the card box of ARTCURE PW Diffusional Patch. Remove the primary packaging, leaflet and 2 pieces of gel from the box.



Tear the primary packaging and remove the patch, sterile gel diffuser and 5 bands.



Attach both gels by screwing them to the applicators on the patch.



Pour the entire gel into the patch.



Using the sterile diffuser, make sure that the gel is diffused thoroughly.



Remove the applicators on the patch with the gel.

Artcure® PW DP applications



Position the patch so as to cover the hernia disc entirely and to make sure that the porous section has contact with the skin.



Make sure that the patch is aligned with the spine and positioned on the herniated area.



Remove the protective paper on the hypoallergenic adhesive bands, which come in the card box, and place them to secure the patch.



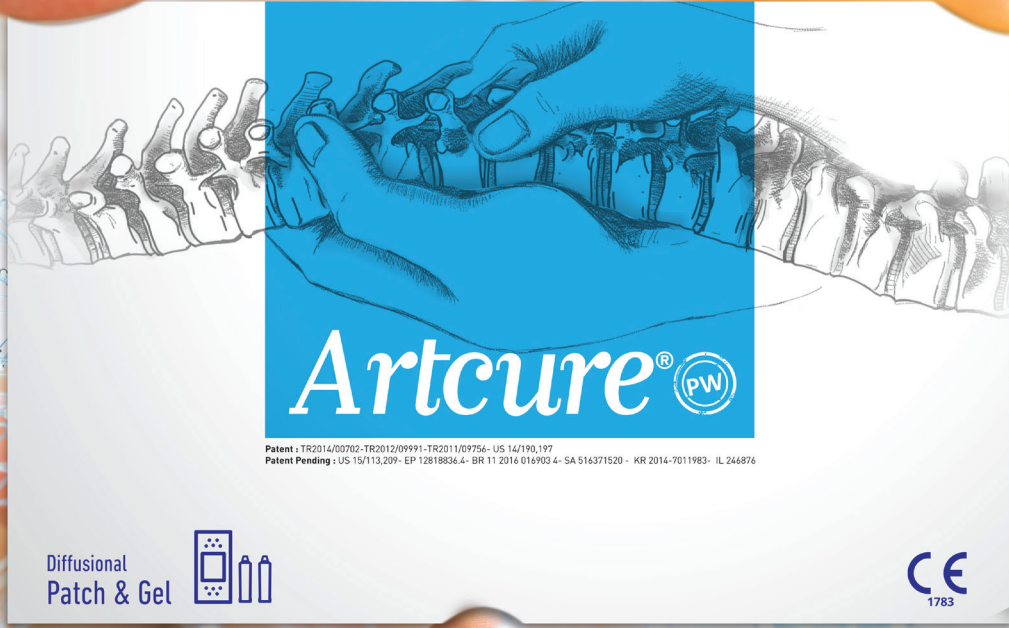
Use other bands to cover the patch, slightly overlapping them one on top of another.



When applied to the neck; position the patch so as to have contact with the skin 1 inch below the base of the neck.



Using hypoallergenic adhesive bands, cover the entire patch.



mt sađlık őrunleri
sanayi ve ticaret A.ř.

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ARTCURE® PW Diffusional Patch

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