

NEUROMODULATION SYSTEM URIS®


STIMVIA



NEUROMODULATION URIS® SYSTEM

The URIS® Neuromodulation System is an innovative and non-invasive treatment aimed at patients suffering from overactive bladder (OAB). This system offers a solution for those who struggle with uncomfortable symptoms such as frequent and urgent urge to urinate, urine leakage (urgent incontinence) or the need to urinate during the night. What makes URIS® unique is its ability to treat these symptoms without the use of medication. Instead uses gentle electrical stimulation of the peroneal of the peroneal nerve, which helps restore control the bladder.

This treatment is non-invasive, which means there's no need for surgery, injections or the use of medications that can have side effects. URIS® is therefore suitable for patients who do not want to or cannot take pharmacological treatment.



URIS®

URIS® is designed to be easy to use both in the doctor's office and in home environment. For patients who prefer home treatment, it offers the option of daily use, allowing for longer-term, more convenient therapy in the comfort of home. Therapy with URIS® is not only safe and comfortable, but also effective. Most patients experience improvement after just a few weeks of use.

If you would like to learn more about how URIS® can help you gain control of your urinary bladder, ask your doctor about the possibilities of this neuromodulation therapy.



WHAT IS OVERACTIVE BLADDER?

Overactive bladder (OAB) is a condition that causes frequent and sudden urges to urinate, which can be difficult to control. Some people with this condition may experience unwanted urine leakage, known as urge incontinence. OAB can occur even without this leakage, but a constant feeling of needing to urinate, even when the bladder is almost empty, is common. This condition can significantly affect daily life, but there are various treatment options that can help to relieve symptoms and regain control of the bladder.

The main symptoms of overactive bladder (OAB) include:

1.

FREQUENT URINATION:

The need to urinate more than usual, frequently several times a day (more than 8 times during 24 hours).

2.

SUDDEN AND STRONG URGE TO URINATE:

Sudden, uncontrollable urge to urinate that may be difficult to refrain from.

3.

URGENT INCONTINENCE:

Unwanted leakage of urine, which can occur as a result of sudden urge.

4.

NIGHT URINATION (NOCTURIA):

The need to wake up during the night to urinate, usually more than once.

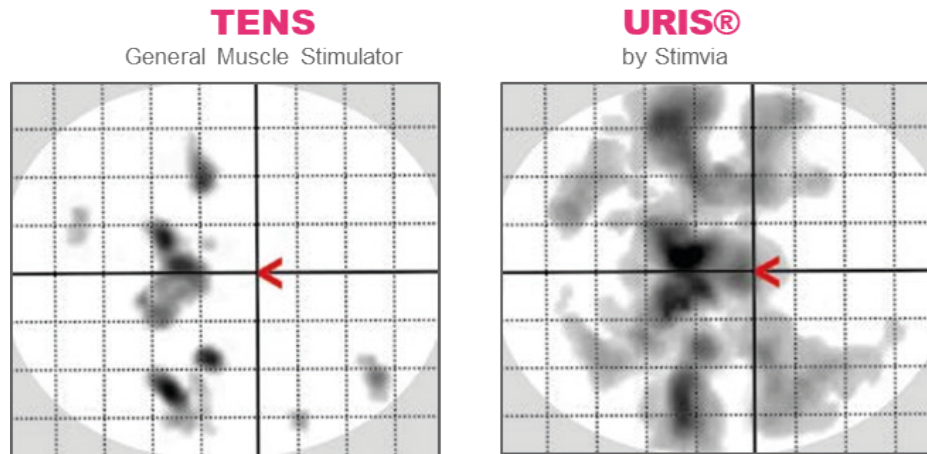


HOW DOES IT WORK?

The URIS® Neuromodulation System stimulates the peroneal nerve to help you regain control of your urinary bladder. The peroneal nerve is located on the outer edge of the popliteal fossa, where the tibia meets the knee, and is connected to the nerves that control your bladder. Our therapy stimulates this nerve with a non-invasive electrode applied to the skin. This method, called “Peroneal Electrical Transcutaneous Neuromodulation” (Peroneal eTNM), not only affects the nerves leading to the bladder, but also stimulates the centres in the brain involved in controlling urination.

This stimulation changes neuroplasticity - the brain's ability to alter and modify its neural pathways. In this way, we can repair the disrupted communication between the brain and the bladder, allowing the patient helps the patient regain control of urination.

The mechanism of action of Peroneal eTNM is very similar to that of invasive sacral neuromodulation, which also focuses on nerve stimulation to affect bladder control. The main difference is that Peroneal eTNM offers this treatment in a non-invasive way, which means no surgery is needed. This method provides patients an effective and less burdensome alternative to invasive procedures.



Brain activity during stimulation

GET YOURS LIFE BACK

Our therapy allows you to live with fewer worries and more confidence. Helping you regain control over your bladder - and thus your life. Unlike oral medications, it does not cause unpleasant side effects and, unlike injectable therapies, is unlikely to cause the need to use catheter (catheterisation). The most common side effects of Peroneal eTNM therapy are mild and temporary, usually including mild pain/tingling or irritation at the site of stimulation.

This method provides a comfortable and effective solution for the treatment of overactive bladder without unnecessary discomfort.





WHAT IS IT FEEL?

Therapy with URIS® is not only comfortable, but for most for most patients. Initial experience with stimulation often puts a smile on your face because the gentle rhythmic movements of the feet that the stimulation produces can be unexpectedly pleasant and soothing for many. Therapy should should definitely not be painful - you will only feel a slight tingling, which is quite normal and part of the treatment.

There is no need to worry, the treatment is comfortable and completely easy. During the session you can read, listen music or just relax. The whole treatment is designed to be as comfortable as possible for you and not interfere with your daily life.

WHERE IS IT PERFORMED?

Therapy can take place conveniently in your office doctor's office. Treatment begins with 12 weekly sessions that lasting approximately 30 minutes and repeated once a week. After this initial phase, it is recommended to maintain the effect of the stimulation with regular maintenance therapy applied at least once every 4 weeks to ensure long-term success of the treatment.

Alternatively, you can perform the therapy directly from the comfort of your own home. In this case, you can take the treatment apply the treatment yourself every day for 30 minutes in within a 12-week treatment. Based on clinical studies, we know that the effects of this 12-week stimulation persist for more than a year in most patients, and it without the need for subsequent maintenance treatment. This approach provides flexibility and long-term relief, to help you regain control of your life.



WILL URIS® WORK FOR ME?

Relief of symptoms by

83%

In a multicentre, randomised trial, we showed that 90% of patients experienced a significant alleviation after treatment with the URIS® system overactive bladder symptoms by at least 83%. This confirms the high efficacy of URIS® therapy for a wide range of patients. In addition, many patients for whom traditional pharmacological have found relief with URIS® therapy.



Depending on the intensity of your symptoms and response to therapy, your doctor may decide, that URIS® therapy alone is the best option for you. In some cases, URIS® may be combined with other therapies to achieve maximum effect. Our data show that this treatment flexibility allows us to tailor the therapy to individual needs patients and provides them with long-term relief and better symptom control.

These results make URIS® a key treatment option for patients with overactive bladder, especially for those who do not respond to conventional pharmacological therapy.

If you are looking for an effective and non-invasive solution to your problem, the URIS® system may be just the way to help you improve your quality of life.

You do not have to worry, the treatment is comfortable and completely unpretentious. You can read, listen to music or just relax during the session. The whole treatment is designed to be as comfortable as possible and not interfere with your daily life.

HOW SOON WILL I SEE RESULTS?

Because the URIS® system gently influences the nerve signals between the bladder and the urinary control centre in the brain, it may take approximately 3 weeks before you start to see the first changes in your symptoms. This process takes time, but most patients using this form of neuromodulation experience a significant improvement in bladder control. It is important to complete the full recommended 12 week treatment, which includes at least 5 stimulations per week.

This regularity is key to achieving the maximum effect of treatment. Only after completing the full cycle will you and your doctor be able to evaluate whether URIS® therapy is the right choice for you to treat overactive bladder syndrome. Following this plan will give you the best chance of long-term relief and improved quality of life.



WHAT ARE THE RESULTS OF THE CLINICAL TRIALS?

Clinical trials focusing on URIS® therapy have produced very positive results, confirming safety and efficacy of this treatment for patients with overactive bladder (OAB).

URIS® therapy has achieved the following results for various symptoms of OAB:

URINATION FREQUENCY:

Patients experienced a reduction in the number of urination episodes per day by approximately 22–26% after 12 weeks of treatment.

22–26 %

87 %

URGENCY (sudden urge to urinate):
87% of patients experienced significant improvement, with a reduction in the number of episodes of intense, urgent need to urinate per day by approximately 74–88% after 12 weeks of treatment.

URGE INCONTINENCE

(involuntary urine leakage): Up to 90% of patients reported improvement, with many completely eliminating episodes of incontinence. The number of incontinence episodes per day was reduced by approximately 83% after 12 weeks of treatment.

90 %

21–35 %

NOCTURIA

(frequent nighttime urination):
After 12 weeks of therapy, nighttime urination in patients decreased by approximately 21–35%.

URIS® therapy has proven to be safe and well tolerated, with less frequent side effects than solifenacin. These results confirm that URIS® therapy is an effective, safe and convenient treatment method that can significantly improve the quality of life of OAB patients, and can be easily used at home without invasive procedures.

Source:

1. Krhut J, Rejchrt M, Slovak M, et al. Prospective, Randomized, Multicenter Trial of Peroneal Electrical Transcutaneous Neuromodulation vs Solifenacin in Treatment-naïve Patients With Overactive Bladder. *J Urol.* 2023;209(4):734-741. doi:10.1097/JU.0000000000003141
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5. Krhut J, Rejchrt M, Slovak M, Dvorak RV, Grepl M, Zvara P. Peroneal electrical transcutaneous neuromodulation in the home treatment of the refractory overactive bladder. *Int Urogynecol J.* 2023;34(6):1253-1260. doi:10.1007/s00192-022-05359-3
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7. Krhut J, Peter L, Rejchrt M, Slovak M, Skugarevska B, Zvara P. Peroneal Electric Transcutaneous NeuroModulation (eTNM®): A Novel Method for the Treatment of the Overactive Bladder. *J Healthc Eng.* 2021;2021:4016346. Published 2021 Oct 6. doi:10.1155/2021/4016346

URIS® is a registered trademark.

The URIS® neuromodulation system is manufactured by Stimvia s.r.o.



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