

Urgent[®] PC

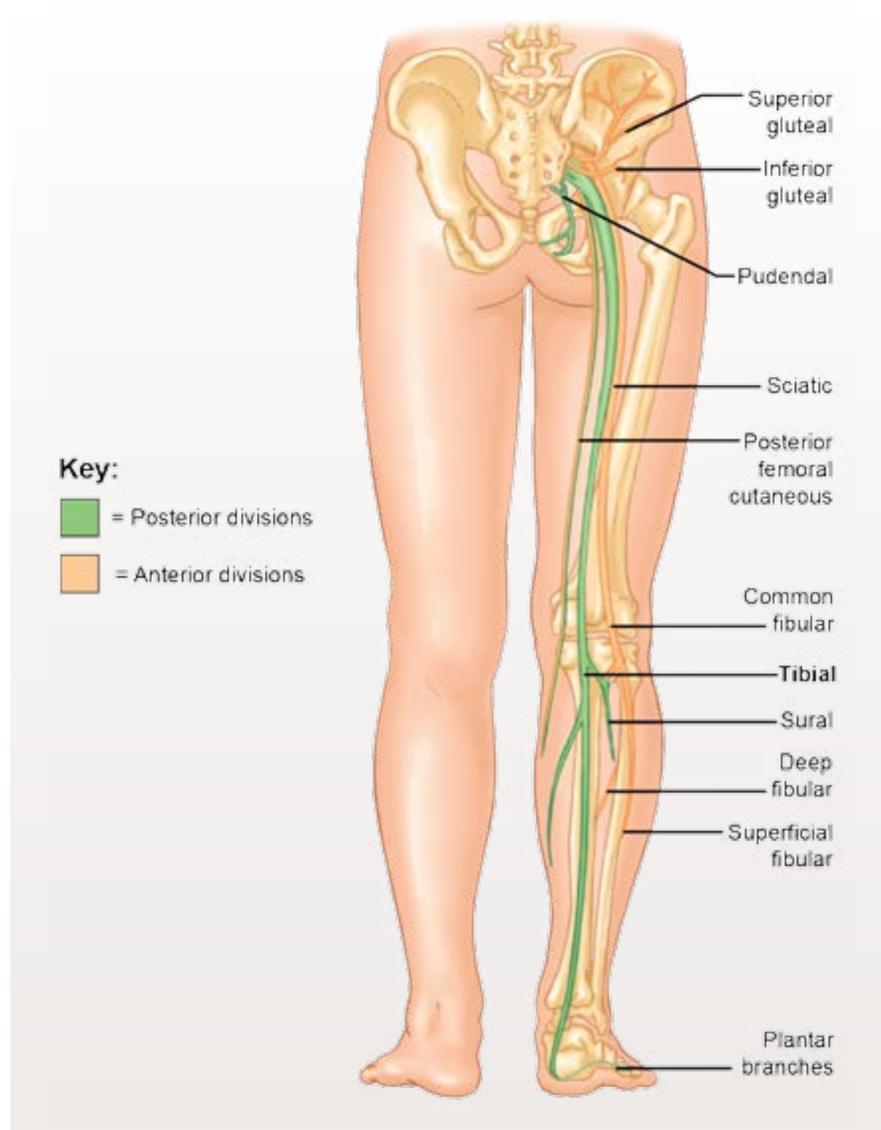
NEUROMODULATION SYSTEM

The PTNS Pathway

How does Urgent[®] PC work?

The Urgent PC Neuromodulation System is indicated for the treatment of Overactive Bladder and associated symptoms of urinary urgency, urinary frequency and urge incontinence. Urgent PC provides indirect stimulation to the sacral nerve plexus via the tibial nerve, a mixed sensory-motor nerve that runs from spinal roots L4 to S3 to innervate the bladder and urethral sphincter. One obvious benefit of Urgent PC therapy is that the tibial nerve is easily accessible in the lower leg, ensuring a low risk procedure.

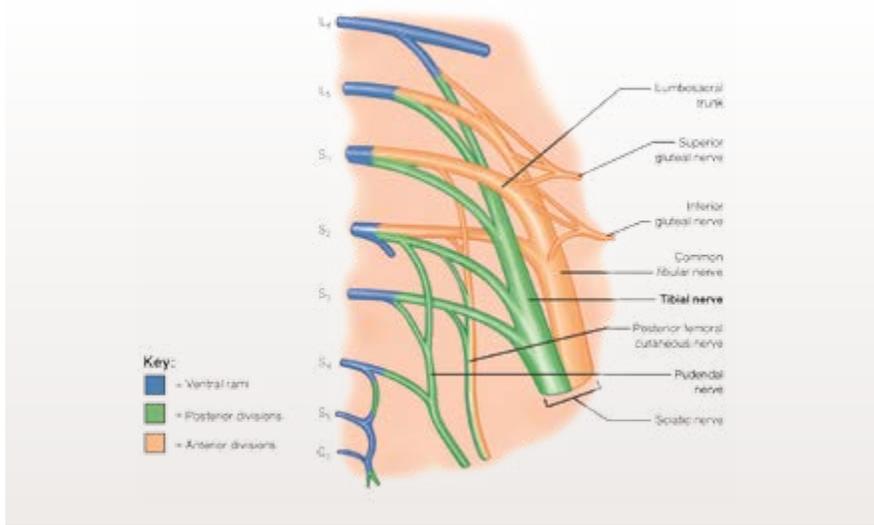
Tibial Nerve Pathway to Sacral Plexus



- » Stimulation travels from the point of entry near the ankle, up the tibial nerve and to the Sacral Plexus
- » Innervates bladder and urethral sphincter
- » Easily accessible nerve
- » Low risk, non-surgical treatment

Sacral Plexus

The Sacral Plexus provides nerves for the pelvis and lower limbs.



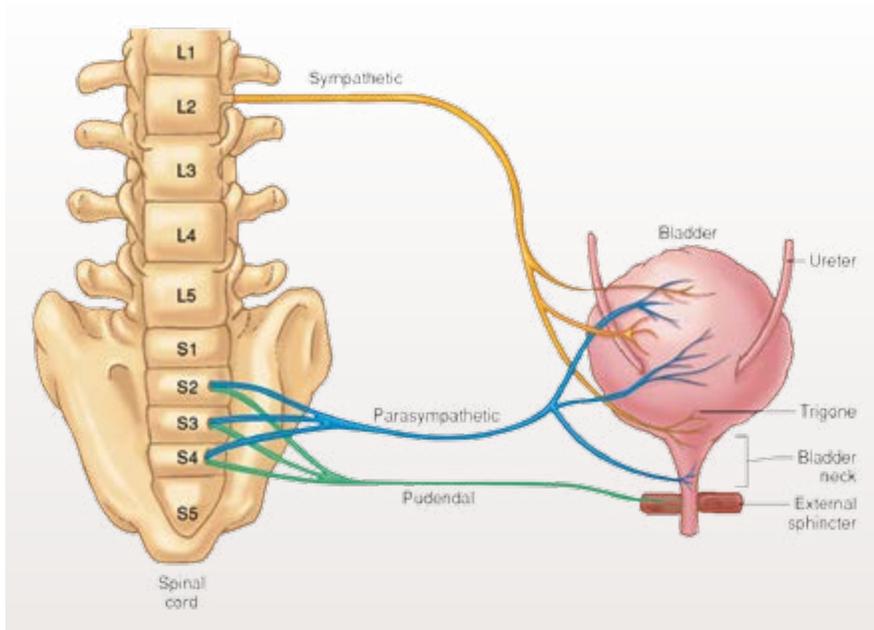
Mechanism of Action

It is believed that PTNS:

- » Involves specific receptors in the spinal cord which contribute to the effectiveness of neuromodulation¹
- » Induces neural plasticity in the CNS^{1,2}
- » Influences signals from and towards the bladder via the sacral plexus by retrograde afferent stimulation¹
- » Activates somatosensory afferent fibers¹

Innervation of the Bladder

The bladder is innervated by a combination of sympathetic and parasympathetic nerves. The pudendal nerve provides external sphincter control.



Connect with Cogentix Medical



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1. van der Pal, F., Heesakkers, J.P.F.A., & Bemelmans, B.L.H. (2006). Current opinion on the working mechanisms of neuromodulation in the treatment of lower urinary tract dysfunction. *Curr Opin Urol*, 16(4), 261-267.
 2. Finazzi-Agrò, E., Rocchi, C., Pachatz, C., Petta, F., Spera, E., Mori, F., et al. (2009). Percutaneous tibial nerve stimulation produces effects on brain activity: study on the modifications of the long latency somatosensory evoked potentials. *NeuroUrology*, 28(4), 320-4.
 CONTRAINDICATIONS: Treatment with Urgent PC is contraindicated for patients with pacemakers or implantable defibrillators, patients prone to excessive bleeding, patients with nerve damage that could impact either percutaneous tibial nerve or pelvic floor function, or patients who are pregnant or planning to become pregnant during the duration of the treatment. PRECAUTION: Exercise caution for patients with heart problems related to pacing. Most patients do not experience side-effects. If side-effects occur, they are typically temporary and include mild pain and skin inflammation at or near the stimulation site. CAUTION: Federal law (USA) restricts this device to sale by or on the order of a physician. For complete instructions for use, storage, warnings, indications, contraindications, precautions, adverse reactions and disclaimer of warranties, please refer to the insert accompanying each Urgent PC product or online at www.cogentixmedical.com. Urgent is a registered trademark. Urgent PC is manufactured by Uroplasty LLC. © 2015 Cogentix Medical. All rights reserved. 20305E 11/15