



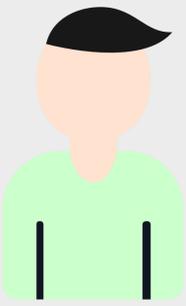
NEUROPIX

'Changing lives with Bioelectrical Medicines'

What is Vagus Nerve Stimulation?

Vagus Nerve Stimulation (VNS) is a type of medical treatment in the field of clinical neuromodulation that uses specific electrical pulses to modulate the activity of the vagus nerve - a key nerve that connects the brain and body - via an implanted or external neurostimulation device. This can be achieved in various ways, for example, through invasive neurosurgical procedures, or with biomedical engineered electrodes placed on the surface of the skin at particular areas of the body. These neuromodulation techniques have now been applied for decades in hospitals and clinics for treating different brain diseases such as epilepsy and migraine.

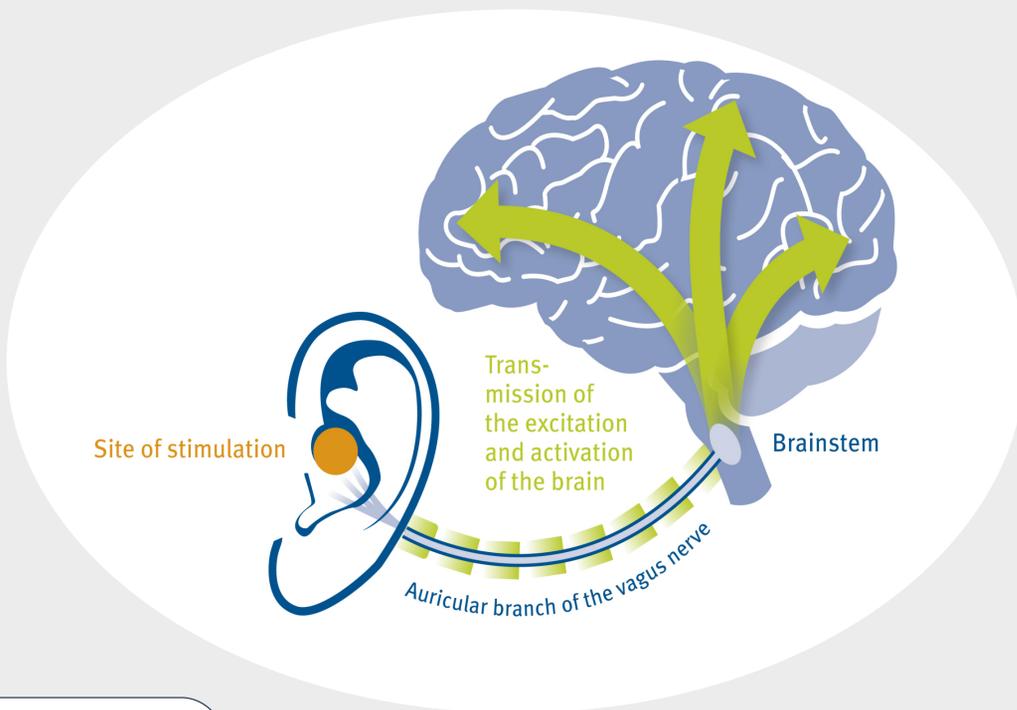
What is tVNS therapy?



tVNS stands for Transcutaneous Vagus Nerve Stimulation (tVNS) and is an established neuromodulation therapy for stimulating the vagus nerve through the skin of the patient. It is also a unique personal treatment therapy that has been designed for easy integration into the daily lives of treatment users.



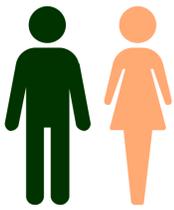
How does tVNS® work?



tVNSTECHNOLOGIES
smart | neuro | therapy

tVNS® treatment activates sensory nerve fibres of the Auricular Branch of the Vagus Nerve (ABVN) through the skin of the concha in the ear. The intensity, pulse duration, and frequency of the electrical parameters have been optimized to induce activations of thick A-β nerve fibres. The nerve projections reach the Nucleus of the Solitary Tract (NTS) of the brainstem via the auriculo-vagal afferent pathway. From here, ascending signals activate higher brain regions (including the Locus Coeruleus and Dorsal Raphe) and reduce abnormal brain signalling and effectively easing the symptoms in different neurological disorders.

Users of tVNS®



tVNS® is commonly used by people who want to try something new for their condition and are looking for an easy and convenient solution. Other users may have suffered with a long-term disease and have not found adequate relief from their medication therapies.

3 Key Reasons for Using tVNS®

1

Independence with patient autonomy

2

Clinically effective with >10 years medical research

3

An innovative non-invasive and non-drug treatment

PLEASE GET IN TOUCH FOR MORE INFORMATION



www.neuropix.co



info@neuropix.co