

# *Neuromodulation*

Neuromodulation refers to a medical procedure used to alter nervous system function for relief of pain. It consists primarily of electrical stimulation, lesioning of specific regions of the nervous system, or infusion of substances into the cerebrospinal fluid. Electrical



stimulation devices are, for instance, Spinal Cord Stimulators (SCS) (surgically implanted) or transcutaneous electrical nerve stimulation devices (externally placed).

Neuromodulation is used to treat and enhance quality of life in individuals who suffer severe chronic illness due to persistent pain, spasticity, movement disorders and spinal injury among others.

The most common treatment is spinal cord stimulation and the most common indication is the persistent severe neuropathic pain found in those who have had technically successful spinal decompression surgery, but who have had recurrence or persistence of symptoms.