

Epidural stimulation (ES)

Epidural electrical stimulation is used widely to treat chronic [neuropathic pain](#), whereas newer fields are in movement disorders, tinnitus, depression, and functional rehabilitation after stroke. For epidural stimulation, computational models explain the geometry of stimulation parameters (anodal, cathodal, and bifocal) and are used for targeting to yield the best clinical results. Nevertheless, the role of the cerebrospinal fluid layer also has to be taken into consideration.

ES or [magnetic stimulation](#) MS in a rat model of diffuse TBI can be used to enhance motor recovery and brain activity ¹⁾.

¹⁾

Yoon YS, Cho KH, Kim ES, Lee MS, Lee KJ. Effect of Epidural Electrical Stimulation and Repetitive Transcranial Magnetic Stimulation in Rats With Diffuse Traumatic Brain Injury. Ann Rehabil Med. 2015 Jun;39(3):416-424. Epub 2015 Jun 30. PubMed PMID: 26161348.

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