New Device Can Ease Chronic Pain Without Drugs, Thanks to Brain Stimulation

**SPECS**

Among prevalence pain killers or special medicines is common. But then again, how else can a doctor effectively treat pain?

By delivering electrical currents — which can block pain signals at the spinal cord level — into a deep, invisible brain area, it might be possible to treat chronic pain without the inescapable side effects of drugs. At the same time, the technique can spur the release of dopamine, which helps with the emotional states typically associated with long-term pain.

**SHOCKING STUDY**

This is the first study to use a novel intracranial stent to alleviate pain by directly stimulating the ventral tegmental area of the brain.  

Intracranial Stent PerMANENT Cerebroventricular Chronically

The team experimented with a novel intracerebral wireless implant, whichThrough electrical stimulation of the ventral tegmental area effectively reduced the sensation of pain, even blocking pain signals at the spinal cord.

This study greatly benefits the demand to alleviate pain in those who suffer from pain and depression or are suffering from pain from a reduced area. The Esketamine for Depression that 140,000 Americans seek at special related area benefitted from 1997 to 2014.

The main advantage of using the brain area of the pain was thought to be the key role in positive moods in mood and pain abuse said Phipps. "As we now confirm that stimulation of the area of the brain can also be an antidepressant role."