

Using electricity to stimulate the spinal cord helps the paralyzed person walk

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This man was paralyzed from the waist down in a tragic motorbike accident, and completely broke his spine in the accident.

Although there are 80 regular physical therapy sessions, doctors may not see any progress.

According to a study published in Scientific Reports, doctors re-awakened the nerves by stimulating the spinal cord (scES) with electricity.



Researchers at the University of Louisville in the US have placed an internal stimulant and central model (CPG) - a small brain in the spinal cord capable of interpreting sensory information and muscle movement .

When it is turned on by electrical click, it sends commands like "moving the right leg" to awaken nerve cells in the spinal cord and eventually, over time, allowing the formation of new neurons on the brain.

After 44 months of training, patients can stand alone, even if the device is not turned on and moves his limbs, The Telegraph reported.

Susan Harkema from Louisville University said: *"These findings show a significant recovery potential of the human nervous system after a chronic clinical artery injury and have a clear meaning for motor rehabilitation for the community "* .

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