

[Home](#) [Video](#) [Politics](#) [U.S.](#) [Opinion](#) [Business](#) [Entertainment](#) [Tech](#) [Science](#) [Health](#) [Travel](#) [Lifestyle](#) [World](#) [On Air](#)

Breakthrough Stroke Drug Could Almost Completely Reverse Limb Paralysis

Published January 13, 2010
NewsCore

A groundbreaking treatment, that can almost completely restore the limb paralysis that follows a stroke, has been successfully tested on rats, scientists in California announced Tuesday.

Studies by biologists at University of California, Irvine, found that a material that occurs naturally in humans can restore 99 percent of movement in rats if applied to the brain days after a debilitating stroke.

At present, no drugs exist that can help victims recover from a stroke after days have elapsed, James Fallon, psychiatry and human behavior professor and senior co-author of the studies said.

"Now we have evidence there may be therapies that can repair damage to a significant degree long after the stroke," he said. "It's a completely unexpected and remarkable finding, and it's worth trying in humans."

In one of the team's studies published in the January edition of the journal *Neuroscience*, scientists discovered that injecting the human protein into rats one month after they suffered a stroke (equal to about a year for humans) led to the recovery of nearly all their movement.

Rats that did not receive treatment improved just 30 percent.

"It's becoming more and more clear that the brain is like any other organ - it has a lot of potential to regenerate," said Darius Gleason, a developmental and cell biology graduate student who worked on the study.

"We are just emulating nature by giving a little nudge to what the brain is trying to do itself."

The treatment is based on a protein called Transforming Growth Factor Alpha, which plays a role in tissue formation.

Sponsored Stories You May Like

Ad Content by



11 Things India Needs To Relax About
MensXP-Special Features



On-Time Painting or Your Money Back! Call...
Asian Paints



Enrol for a 1 year Business Management...
talentedge



Best Ayurvedic Oil for Hair Loss & Dandruff ...
10dayshairoil

Sponsored Stories

- **See how Zebra scanners help Jay boost manufacturing uptime**
Zebra Technologies
- **At Long Last, Celine Dion Finds Buyer for Jupiter Island Estate**
Mansion Global
- **Now Baba Ramdev's Patanjali Eyes To Become The World's Largest FMCG...**
News
- **9 Images That Prove Why Esha Gupta Is The Baddest Boss Out There**
MensXP.com
- **Mobile computers are the supertaskers of the retail sector. Find out...**
- **A Rug Can Pull a Room Together; Choose Wisely**
Mansion Global

Zebra Technologies

- **We Finally Know Someone Who Can Shut Virender Sehwal Up & He's A Cop...**

Sports

- **Young Teen Disappears - 6 Months Later Best Friends Reveal Truth**

True Activist

- **Get Your Kids Away From TV and Cartoons**

Magic Crate

Ad Content by

- **10 Biggest Inventions By Indians You Should Be Proud Of**

MensXP-Special Features

- **Hotel Prices You're Not Allowed to See!**

tripsinsider

- **Homes with 99% funding for 99 hrs.Book Now**

Tata Value Homes

Watch Now...

DARPA unveils revolutionary 'LightningStrike' drone

WWE's Million Dollar Man finds redemption in church

Is mobile truly the future of gaming?

[Site Index](#)

This material may not be published, broadcast, rewritten, or redistributed. ©2017 FOX News Network, LLC. All rights reserved. All market data delayed 20 minutes.