



Twin Cities Chapter
Spinal Cord Society
"Chronic Injury to CURE"



Get involved and be a part of it!

The Twin Cities chapter of the SCS is made up of people who are actively involved in finding a cure for spinal cord injury.

Our primary activities consist of fundraising for research, and educating the public about the reality of cure prospects. If you agree these are valuable objectives, we'd love to have you join us!

You can get involved by doing the following:

- Become an active member by joining our mailing list for a FREE chapter newsletter
- Participate in any or all of our annual fundraising events, which include golf tournaments and more
- Subscribe to the monthly National SCS newsletter
- Promote SCS and SCSTC to everyone you know
- Make a donation to help with the "SCS Search for a Cure" research program

Our Mission Statement:

Moving from research to results; powered by the paralyzed and those supporting the reality of chronic spinal cord injury cure.

Please join us – We need you now!

We need your help! We want your time and participation, and your ideas. SCS-Twin Cities needs more SCI people involved in order to help us increase awareness of the real possibility of an SCI cure, and to find one. Join us and become part of the cure!

To learn more about SCS Twin Cities, SCS National, and SCI research taking place right here in Minnesota, call us or visit us online at:

www.scstwincities.org

SCS Twin Cities Chapter

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We won't sit and wait for a miracle. Join us to make one!

OUR GOAL IS TO CURE SPINAL CORD INJURY

The Spinal Cord Society Twin Cities Chapter, is an all-volunteer non-profit 501c3 organization, made up of spinal cord injured people and their interested families, friends, medical professionals and researchers.

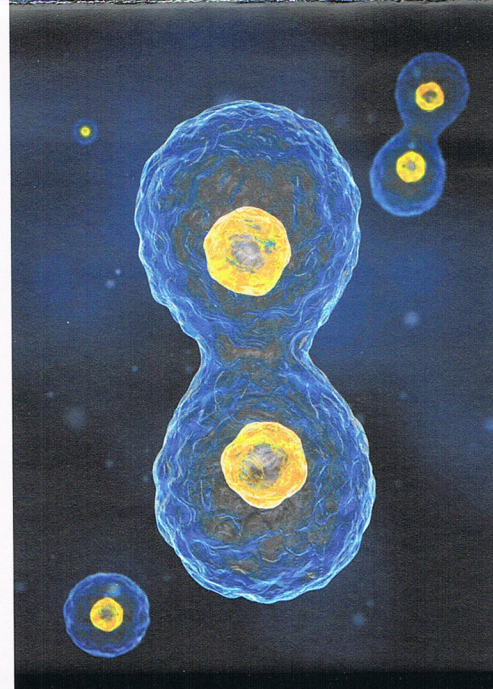


WHAT IS SCS?

The Spinal Cord Society (SCS), is a 501(c)(3) organization founded in 1978 by Dr. Charles Carson - a geologist injured in a private plane accident at a time when there was little research in the fields of spinal cord injury treatment or cure. SCS International Headquarters is located in Fergus Falls, Minnesota.

We won't sit and wait for a miracle, we're raising the funds to find one!

SCS quickly grew to almost 200 chapters worldwide, and a vast majority of the funding we direct to research is done through the chapter network. Our organization raises money from individuals, foundations, and organizations throughout the country, and spends 100% of this money *directly on research* for a cure. ALL operational and administrative expenses are funded through volunteerism and subscriptions to our national newsletter.



WHAT IS SCS DOING?

Since 2001, SCS has funded and operated our own independent research lab in Fort Collins, Colorado, focused only on finding an actual CURE for spinal cord injury. SCS publishes a monthly newsletter to keep our members informed on up to date research projects and chapter activities all over the world.

We won't sit and wait for a miracle, we're making one!

At SCS and SCS Twin Cities, our donation-supported Research Center focuses on three areas:

SCAR ABLATION

Treating chronic injury first requires dealing with scar tissue that forms on the ends of the damaged nerves. Our Research Center has developed a new method for this, using photo-toxic dye injected into the scar tissue. A specific wavelength of light is then focused on the dye, destroying the scar while leaving the healthy tissue undamaged

CELL AND CELL TRANSPLANT WORK

The death of nerve cells and the resultant disruption of nerve pathways are at the heart of chronic SCI dysfunction. No neuro-motor connections can be established if nerves no longer exist. Thus, replacement of nerve cells is required. The SCS Center has used a combination of cells which promote tissue repair and axonal regeneration along with nerve remyelination.

In some types of SCI, loss of function may be due to a loss of "myelin sheaths", nerve sheaths which provide insulation so electrochemical signals are carried efficiently down the long, thin axons. Our researchers have successfully tested the repair of myelin sheaths in the chronic spinal cord injury of rats.

PHYSICAL THERAPY

Our TANES (tail nerve electrical stimulation) therapy is an electrical stimulation of the central pattern generator that activates a neuromuscular-coordinated walking motion. This generates robust motion, which trains the neuromuscular circuitry to allow the brain to regain control after a long-term injury. Human trials of this approach are now underway.



This combination has led to a treatment that produces as much as a **30% actual return of function in the truly chronic injury**. This treatment has been repeated and published in the journal Brain Research. (See video at www.scstwincities.org)

In the summer of 2014, our Research Center moved to a new home at the University of Minnesota, providing our researchers with greater facilities and the staff needed to help us progress with this treatment into human trials.

We won't sit and wait for a miracle, join us, to find one!

Core SCI research is aimed at reducing the paralyzing effects of injury and promoting re-growth of functional nerve fibers. And, scientists are investigating other promising avenues for treatment and cure of spinal cord injury as well. Despite limitations in funding, some experimental treatments-toward-cure have even reached controlled human trials.

Around the world, proprietary centers offering stem cell transplants and treatment with neuro-regenerative substances have generated glowing testimonials of neurological improvement.

Our cure treatment has produced actual functional improvement and these results have been published in a medical journal. Now we need YOU to help push this treatment into human clinical trials.

Moving from research breakthroughs to human clinical trials to "CURE"