

# Stem Cell Therapy for Diabetic and Peripheral Neuropathy



**R3 Stem Cell International R3Stem.com +1 (888) 988-0515**  
*Changing Lives Every Day!*

# Overview of the Neuropathy Process

Neuropathy results when nerve cells, called neurons, are damaged or destroyed. This disrupts the way the neurons communicate with each other and one's brain. Overall it will affect 25% of the population at some point, with the most common cause of neuropathy being diabetes.

- Risk factors for neuropathy include:
- Diabetes – up to 70%
- Chronic Alcohol Use
- Chemotherapy or Radiation
- Autoimmune Disease
- Various infections – shingles, HIV, EBV, Hepatitis, Lyme

If you have neuropathy, the most commonly described feelings are sensations of numbness, tingling (“pins and needles”), and weakness in the area of the body affected (most commonly the feet and sometimes the hands). Other sensations include sharp, lightning-like pain; or a burning, throbbing or stabbing pain. It may result in difficulty walking or possibly a tough time with activities that require manual dexterity.

Traditional neuropathy treatments to date have ALL been focused on relieving symptoms and NOT the actual neuropathic process. These may include pain medications, antidepressants, physical therapy, Neurontin (Gabapentin), spinal cord stimulator in addition to lifestyle changes (e.g. weight loss).



## **Stem Cell Therapy for Neuropathy**

Stem cell therapy for neuropathy represents a new paradigm of treatment that can actually repair some of the damaged tissue. The treatment is low risk, outpatient and provides relief along with improved function for patients.

R3's Centers administer stem cell biologics for neuropathy through a combination of various injections and intravenous. Inherently, the problem with neuropathy is how it detrimentally affects blood flow to nerves, which is vital. The stem cell biologics replenish this blood flow, along with reducing cell death and recruiting additional cells for tissue repair as well.

Fortunately stem cell therapy may also help with the underlying condition, such as diabetes. There are quite a few benefits of using stem cells in diabetic patients, which include blood sugar modulation and protection of the pancreas from further damage. In addition, stem cell therapy may be able to protect against additional diabetic complications such as kidney damage and eye failure.

When looking at the timing of receiving stem cell therapy for neuropathy, sooner is better. Why? Because unfortunately stem cell therapy does not cure neuropathy, and the amount of disease reversal is unpredictable. Contact R3 Stem Cell International today to learn about your options.



# Frequently Asked Questions



## **Q What Kind of Stem Cells are used and how many?**

R3 does NOT use embryonic stem cells (ESCs) or induced pluripotent stem cells (iPSCs) for treatments, as they are not ready for clinical use due to potential risks. R3 International uses biologics that contain mesenchymal and hematopoietic stem cells. Not only are they safe for patients, they are also effective for many conditions.

## **Umbilical Cord Stem Cells –**

Umbilical cord (UC) tissue is an amazing source of active, potent mesenchymal stem cells along with many other regenerative elements. R3 International offers UC treatments from 5 million stem cells up to a BILLION stem cells! They come from donor tissue after a scheduled c-section with no harm to baby or mother, and



are processed at accredited labs that are cGMP compliant and ISO certified.

**Exosomes** – These are small extracellular vesicles that are by products of umbilical cord stem cells. Active in cell to cell communication, they facilitate repair and regeneration. R3 incorporates exosomes frequently into patient treatments.

**Autologous Adipose** – Some R3 International Centers offer stem cell therapy using a patient's own adipose (fat) tissue. Adipose tissue contains plentiful stem cells, exosomes, growth factors, secretomes and other regenerative elements. This is typically performed in conjunction with umbilical cord stem cell treatment.

## **Q Are there risks involved?**

Stem cell and exosome procedures at R3 International are very safe. To date, no patients have experienced a significant adverse event such as disease transmission, deep infection, or rejection reaction. The vast majority of side effects have been mild and temporary.

However, any regenerative procedure with donor material entails risks which may include infection, rejection, allergic reaction, nausea, dizziness, fever, bleeding and others.

## **Q What are the outcomes?**

After nine years and 16,000 stem cell procedures worldwide, R3 consistently achieves an 85% overall success rate. This includes patients with very difficult conditions.

Patients need to understand that stem cell therapy is not a cure for a condition, rather, typically very effective at modifying and/or mitigating disease. It may need to be repeated as well, as patients are different in their response

# Safe, Effective Treatment with R3 Stem Cell International

R3 Stem Cell International takes great pride in helping patients with safe, effective regenerative therapies that are nonsurgical and drug-free. Treatment protocols are customized to each patient's specific needs, with an unparalleled combination of excellent outcomes, safety and cost effectiveness.

Most stem cell clinics do not understand that high cell counts are critical to patient success. If they do, then the treatment pricing ends up being 2-3 times higher than R3 because of the biologic cost. They simply do not have the volume to produce quality biologics with high cell counts at affordable pricing. R3 has spent the last decade growing its patient base worldwide to develop the buying power so that the best biologics are offered with considerable savings. Our mission has always been to offer the most

effective stem cell and exosome therapies without having finances get in the way.

By offering high cell counts at extremely competitive pricing, R3 provides patients with the absolute best chance of improvements, while doing its best to make the treatments affordable. R3 leverages its global volume to make its first rate stem cell treatments the most cost effective anywhere in the world, while maintaining quality assurance second to none!

We use best practice protocols developed from our own clinical experience as well as the peer reviewed literature to stay on the cutting edge of regenerative therapies. Rest assured that when you receive treatment with R3 Stem Cell International, you and your loved ones will be in the best hands!



# Partial List of Conditions Treated at R3 Stem Cell International



- Alzheimer's Disease
- Amyotrophic Lateral Sclerosis (ALS)
- Ankylosing Spondylitis
- Anti Aging
- Arthritis & Joint Pain
- Autism
- Back Pain
- Cerebral Palsy
- Chronic Kidney Disease
- Cirrhosis
- COPD
- Crohn's Disease
- Degenerative Disc Disease
- Diabetes
- Erectile Dysfunction
- Failed Back Surgery
- Fibromyalgia
- Heart Failure
- Hepatitis
- Inflammatory Bowel Disease
- Kidney Failure
- Liver Failure
- Lung Disease
- Lupus
- Lyme Disease
- Neuropathy
- Multiple Sclerosis
- Muscular Dystrophy
- Osteoarthritis
- Parkinson's Disease
- Post Concussion Syndrome
- Post Covid
- Psoriasis
- Pulmonary Fibrosis
- Rheumatoid Arthritis
- Scleroderma
- Spinal Cord Injury
- Spinal Muscular Atrophy
- Stroke
- Traumatic Brain Injury
- Ulcerative Colitis

# Getting Started



Starting the process for treatment at R3 Stem Cell International is easy. You can visit **R3Stem.com** to see the various locations available and complete your consultation request, or also call us at

**+1 (888) 988-0515**

Each prospective patient undergoes a virtual consultation with one of our highly experienced stem cell doctors. Very convenient!

***Find out today if you or a loved one is a candidate for life changing stem cell therapy.***



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