

# Stem Cell Therapy for Chronic Kidney Disease (CKD)



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

# Overview of Chronic Kidney Disease

Chronic kidney disease (CKD) affects approximately 10% of individuals worldwide. Over the past 20 years, the incidence of CKD has increased by 30%.

The most common reasons for kidneys to experience failure include high blood pressure, diabetes, various medications, glomerulonephritis or polycystic kidney disease.

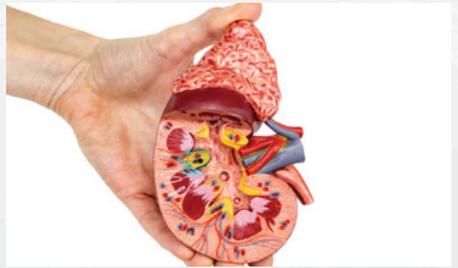
Kidney failure typically does not occur overnight. There are five stages of kidney disease, which may eventually result in a need for dialysis or a transplant. The average wait for a kidney transplant is over three years, with all too many individuals passing away during the wait.

Conventional treatments for kidney failure include lifestyle changes,

medications for underlying conditions (e.g. diabetes, high blood pressure), or eventually dialysis and a transplant.

## Stem Cell Therapy for Kidney Disease

Stem cell and exosome therapy has been an exciting addition to the treatment options for chronic kidney disease. A 2012 study in *Biologics Research* showed mesenchymal stem cells to be extremely beneficial in protecting the kidney from damage through various mechanisms including:





- Reduction of inflammation.
- Immune system modulation.
- Prevention of Scar tissue
- Reducing cell death
- Promoting kidney cell differentiation.

In a study on 40 patients with Stage 3 and 4 CKD, patients were administered umbilical cord stem cells and exosomes. Dosing included 120-150 million umbilical cord stem cells and over 50 billion exosomes over 2 procedures. The researchers noted that the treatments were not only very



safe, but resulted in overall kidney function improvements including substantially increased GFR and decreased blood urea levels.

In a recent review published by USC, the authors noted an excellent reduction of BUN and improved glomerulosclerosis after MSC therapy in several studies (Stem Cells Translational Medicine 2018). Their review showed no significant adverse events in any study.



R3 International offers first rate stem cell and exosome therapy for all types of chronic kidney disease (CKD). The outpatient, safe treatments include anywhere from 50 million to a Billion top notch stem cells, depending on condition severity and the patient's weight.

# 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

While not a cure for CKD, stem cells are an exciting option as they can facilitate a damaged kidney to increase function. This often allows patients with CKD to avoid dialysis while enjoying increased energy and ability to perform activities of daily living.

Once a damaged kidney scars, that is something stem cell therapy will

not be able to reverse. However, treatment is often able to amp up remaining kidney function so that it can be saved with substantial benefits to the patient. To date, R3 International has treated over 1,000 patients with CKD successfully, without any significant adverse events!



# 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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