

# Stem Cell Therapy for Ankylosing Spondylitis



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

# Overview of Ankylosing Spondylitis

Ankylosing Spondylitis (AS) is a rare type of arthritis also known as Bechterew disease. It usually starts in lower back, may affect neck too. Pain from AS usually starts before the age of 35-40 and gradually worsens over time.

The word “Ankylosis” refers to fused bones and tissue, while “Spondylitis” refers to inflammation in the spine. It is known as a seronegative spondylarthropathy, with the hallmark feature being the involvement of the sacroiliac (SI) joints during the progression of the disease.

Unfortunately Ankylosing Spondylitis can affect other areas

of the body such as shoulders, hips, knees, heels, hands – eyes, lungs and heart too! Conventional treatment for AS includes several types of pain medications along with exercise and PT. Additional medications such as steroids and various immunosuppressive drugs are also administered. Most of these medications have significant side effects.

## **Stem Cell Therapy for Ankylosing Spondylitis**

Mesenchymal stem cell infusion in AS patients is a safe and beneficial choice with no severe side effects. It has shown effectiveness





in decreasing the related clinical symptoms and severity of the disease.

A 2013 study in Cell Transplantation involved 31 patients receiving four infusions of 1 million stem cells per kilogram. Patient symptoms dramatically improved throughout the study, with CRP and ESR decreasing.

A 2017 study in Experimental and Therapeutic Medicine showed umbilical cord mesenchymal stem cells produced substantial pain relief along with a reduction of all scores assessing AS activity.

R3 Stem Cell International offers umbilical cord stem cell therapy

infusions for those with Ankylosing Spondylitis, with the results being stellar. Various injections are also offered too depending on patient symptoms. The stem cell procedures are exceptionally safe, with pure, potent MSC's being used in high numbers to produce the best possible outcomes.

The numbers of stem cells used for patients ranges from 20 million up to 200 million, depending on the AS severity and the weight of the patient. No clinics around the world are able to offer the combination of quality stem cell biologic, very high cell counts and cost effectiveness as R3 Stem Cell. Contact us today!



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

# Frequently Asked Questions

A group of five diverse elderly people, including men and women of various ethnicities, are smiling and laughing together outdoors. They are dressed in casual, colorful clothing. The background is a soft-focus natural setting.

## **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.***



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