

# Stem Cell Therapy for COPD and Pulmonary Fibrosis



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

# Overview of COPD

Chronic obstructive pulmonary disease (COPD) is a chronic inflammatory lung disease that causes obstructed airflow from the lungs. Different types of COPD may include chronic bronchitis or emphysema. Symptoms include breathing difficulty, cough, mucus (sputum) production and wheezing.

Over 100 million individuals worldwide suffer from COPD, with close to 90% being caused by cigarette smoking. Additional causes include:

- Exposure to air pollution.
- A genetic condition known as Alpha-1-deficiency.
- Working with chemicals, dust and fumes.
- History of childhood respiratory infection.

Traditional treatments for COPD include oxygen therapy, corticosteroids, bronchodilators, opioids and as a last resort –

surgery. None of the conventional treatments actually repair damaged lung tissue.

## **Stem Cell Therapy for COPD**

Prior to stem cell therapy, no effective biologic has existed to help with actual repair of damaged lung tissue. Initial research studies and the experience at R3 Stem Cell's Centers has been very positive.

A 2017 review in Stem Cells International evaluated several clinical trials on COPD. Published results of three trials reviewed indicated that administering MSCs in the setting of degenerative lung disease is safe and may improve patients' condition and quality of life.

In the same year, the International Journal of Molecular Science published that the neonatal tissue derived MSC's such as found in Wharton's jelly (WJ-MSCs) may adapt better to the host tissue environment and possess superior anti-inflammatory and immunomodulatory actions.



A 2020 review in World Journal of Stem Cells showed that several treatments with umbilical cord mesenchymal stem cells considerably alleviated the severity of symptoms of COPD.

R3 Stem Cell International offers safe and effective stem cell therapy for COPD and other lung diseases like pulmonary fibrosis. Each patient is evaluated individually to see if he or she is a candidate, and if so then the best regenerative therapy will be planned.

Stem cell dosing depends on condition severity and patient weight, with the treatment being

offered through a combination of intravenous infusion and nebulizer. R3 also adds in exosome therapy for additional benefits.

Over the past decade, R3 Stem Cell's Centers have performed 16,000 stem cell procedures globally. 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. In addition to COPD, R3 effectively treats over 70 conditions such as orthopedic, autoimmune, neurologic, autism, organ failure and more. Contact us today!



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# 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.***



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