



## Top 5 Benefits of Amniotic Stem Cell Therapy

Amniotic stem cell material is harvested from the amniotic sac after a scheduled C-Section. The baby is fine and no embryonic stem cells are involved. In addition, the woman is consented and compensated. While some people may have ethical issues with embryonic stem cell therapy, most everyone agrees that the use of amniotic stem cell therapy raises no ethical or moral questions.

The amniotic fluid is processed at an FDA regulated lab according to Current Good Tissue Practice Standards. It is then cryogenically frozen until ready for use.

Here are the Top 5 Benefits of Amniotic Stem Cell Treatment:

### 1. Repairs and Regenerates Tissue

Stem cell treatment takes advantage of the body's ability to repair itself. With amniotic stem cell therapy, the sports medicine physician injects stem cells from amniotic tissues into your body. These stem cells have anti-inflammatory properties, similar to cortisone and steroid shots. However, stem cell therapy goes far beyond the benefits of standard "injection therapy."

While cortisone and other drugs only provide temporary pain relief, stem cells actually restore degenerated tissue while providing pain relief. The growth factors in amniotic stem cells may replace damaged cells in your body. Additionally, stem cell injections contain hyaluronic acid, which lubricates joints and tendons, easing the pain and helping restore mobility.

### 2. Stem Cells and Growth Factors

Amniotic stem cells contain several beneficial materials including

- Stem Cells and Stem Cell Activators.
- Hyaluronic Acid – the "motor oil" of the joint. Cushions and protects.
- Growth Factors – there are a significant amount present.
- Cytokines – help with anti-inflammation and pain relief.
- Anti-microbial agents – helps prevent infection.

### **3. The Procedure is Safe**

Yes. More than 100,000 injections have been performed without a single reported adverse side effect. Amniotic stem cell therapy is a preferred type of stem cell therapy because the cells come from an immune-privileged site, which means that patient-rejection is extremely rare. With amniotic stem cells, there is no threat of patient rejection.

The use of amniotic stem cells is well researched, safe, and effective. Amniotic stem cells have been used by ophthalmologists and plastic surgeons for about 20 years. All amniotic stem cell donors go through a rigorous screening process, as determined by the Food and Drug Administration (FDA) and American Association of Tissue Banks (AATB).

### **4. NonSteroidal**

Amniotic stem cells contain no steroids. Instead, the injections rely on naturally occurring anti-inflammatory agents, such as cytokines. One of the biggest concerns about steroid injections is the potential harm they may produce on the body's joints or blood sugars. Thankfully, amniotic therapy has none of these issues.

### **5. NO Need to Harvest**

There are several current types of stem cell therapy available. Bone marrow and fat derived procedures involve harvesting from the patient him or herself, which adds an extra step and may be painful.

Amniotic therapy does not involve any harvest from the patient.

**R3 Stem Cell works with Centers of Excellence nationwide offering regenerative medicine with amniotic stem cell therapy. Treatment is offered for many conditions, and treatment is often partially covered by insurance (the visits, imaging and labwork).**

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