



Regenexx[®] at Work

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 4-MINUTE READ

Orthobiologics 101 for Benefits Leaders

The modern era of musculoskeletal (MSK) care is here. As we discuss in our **recently released 2024 Year in Review**, orthobiologics are going mainstream.¹

In fact, many leading academic medical centers and esteemed institutions have started **following the trail blazed by the Regenexx protocol two decades ago**, incorporating orthobiologics into MSK care:



But what are orthobiologics exactly? Let's take a closer look.

Orthobiologics are naturally derived substances that, when administered into bones, joints, muscles, ligaments, or tendons, can **support the body's natural healing processes**.^{2*} Over 20 years ago, the **Regenexx protocol innovated the use of interventional orthobiologics for MSK issues**.

KEY TAKEAWAYS

Orthobiologics are naturally derived substances that, when administered into bones, joints, muscles, ligaments, or tendons, can support the body's natural healing processes.

In 2005, Regenexx innovated the use of interventional orthobiologics delivered via image-guided injection for MSK issues.

Not all orthobiologics are the same. Procedures using Regenexx lab processes have several key advantages.

Procedures using Regenexx injectates require orthobiologics derived from *only* the patient's own cells

- **Blood is required for:**
 - Regenexx SCP injectate, a super-concentrated platelet-rich plasma (PRP)
 - Regenexx PL (platelet lysate) injectate
- **Bone marrow concentrate (BMC), which contains stem cells, is required for:**
 - Regenexx SD injectate

The Regenexx approach provides an alternative to orthopedic surgery that **can reduce the need for up to 70% of elective orthopedic surgeries**.³ Further, the Regenexx Corporate Program helps benefits leaders **decrease costs on individual surgeries by up to 70%**³ —and offer a valued MSK care option that **members prefer over surgery**.

While more and more MSK clinics worldwide are offering orthobiologics, as we note in our 2024 Year in Review, **not all orthobiologics are the same**. The high standards of the Regenexx approach set a bar that many other orthobiologics “pop-up shops” just can't achieve.⁴⁻⁶

The Regenexx approach has several key advantages contributing to the:

- **Quality, dose, and concentration** of the orthobiologics used
- **Precision** used to deliver the orthobiologics

What's more, unlike many orthobiologics clinics, the Regenexx protocol uses dose guidelines based on Regenexx Provider Patient Registry data, age, and MSK issue severity for Regenexx provider patients. **The ultimate goal is to reduce pain and improve function.**

Take a look at these key advantages below:

Key Advantages of the Regenexx Approach



Clinical expertise

Physicians within the licensed Regenexx network are MDs and DOs who:

- Have expertise in the evaluation and treatment of MSK issues
- Undergo specialized training in Interventional Orthopedics
- Receive third-party advanced instruction in image-guided injections

On the other hand, many orthobiologics “pop-ups” have providers who lack essential specialized training and expertise in orthobiologics.



Customized, precise lab processing

Regenexx lab processes:

- Focus exclusively on blood and bone marrow
- Comply with US state and federal law
- Use proprietary lab-processing methods to customize dose as well as concentration to treat each patient's condition

Compare this to clinics that cut corners in processing. This often results in PRP dosages that are low, unconfirmed, or fall short of the recognized **PRP definition** and standards for PRP concentration.



20 years of experience

- Proprietary methods using a patented protocol have been developed over the last two decades that optimize the extraction, processing, and delivery of the patient's own cells

Contrast this with newer clinics who lack published research and candidacy gradings for procedures.



Image-based guidance

- Physicians in the licensed Regenexx network use precise image guidance, such as fluoroscopy or ultrasound, for all injections
- This allows targeting of the exact location of injury
- Ultrasound and fluoroscopy are both very important and each technology requires a distinct skillset

Weigh this against the high number of orthobiologics clinics that don't offer fluoroscopy at all, or only offer injections without precise image guidance.



Leadership in research

- Tracked outcomes data in the **Regenexx Provider Patient Registry** helps physicians in the licensed Regenexx network determine patient candidacy and offers transparency of results for patients who opted for the Regenexx protocol
- Regenexx published research (including randomized controlled trials) is conducted by a team of dedicated scientists and physician experts

On the flip side, many other clinics don't have clinical data or published research to share, or lack overall transparency with their results and sample size with clinical data.

● Learn how to
move the needle forward
with your MSK plan

Request Your 2024 Year in Review

What is the
Regenexx
Corporate Program?

The Regenexx Corporate Program provides **MSK cost savings for self-funded employers**. According to a Validation Institute cost-savings analysis, **procedures using Regenexx injectates were ~50% less expensive than the surgery avoided.**³

The program continues to see traction among employers, brokers, and third-party administrators who have chosen to partner with us. The Regenexx benefit is no cost to add and simple to include in any self-funded healthcare plan.

Learn how adding the Regenexx benefit can **reduce costs by up to 70%** on individual surgeries while offering members a new option in care.⁷



**Contact a Regenexx Corporate
Program Sales Representative**



Regenexx
Corporate Program




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**The “biologics” suffix in the term “orthobiologics” is not to be confused with the way the standalone “biologics” term is used in pharmaceuticals (particularly rheumatology). In pharmaceuticals, “biologics” often refers to prescription drugs that are made by living organisms (recombinant DNA technology) or contain a component of a living organism.*

Cost avoidance estimates for individual groups are not reflective of the potential cost avoidance estimates for another group. Any estimate of cost avoidance for a group is specific to their employee population. To understand how your company’s surgical experience may relate to the Regenexx approach, you can request a [Regenexx Corporate Program Impact Study](#).

Cost savings estimates: Physicians within the licensed Regenexx network indicate the surgical procedure for which Regenexx provider patients are a candidate. The Regenexx Corporate Program then measures the actual cost of the procedure using Regenexx lab processes against the cost of the surgical alternative. While the Regenexx Corporate Program does post service reviews and assess a percentage of Regenexx provider patients, not all these cases have been verified by a third party. Fair cost estimates based on Denver, CO ZIP code. In some cases, a generic “arthroscopy” cost estimate had to be used when a detailed condition-specific estimate was unavailable.

Like all medical interventions, procedures using Regenexx lab processes have a success and failure rate. Regenexx provider patient reviews and testimonials in this email should not be interpreted as a statement on the effectiveness of regenerative therapy for anyone else. Industry professional reviews and testimonials reflect the experience of that entity with the Regenexx Corporate Program. To discuss what a partnership with Regenexx could look like for your company or client, [contact our team](#).

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