

XoFlo Has Been Used By Physicians to Treat:

- Soft Tissue Injuries
- Chronic Inflamed Joint Pain
- Repetitive Motion Injuries
- Aesthetic Applications
- Chronic Non-Healing Wounds
- Inflammation

Additional Benefits of XoFlo Include:

- Contains Various Growth Factors
- Supports the Regenerative Healing Process

XoFlo™

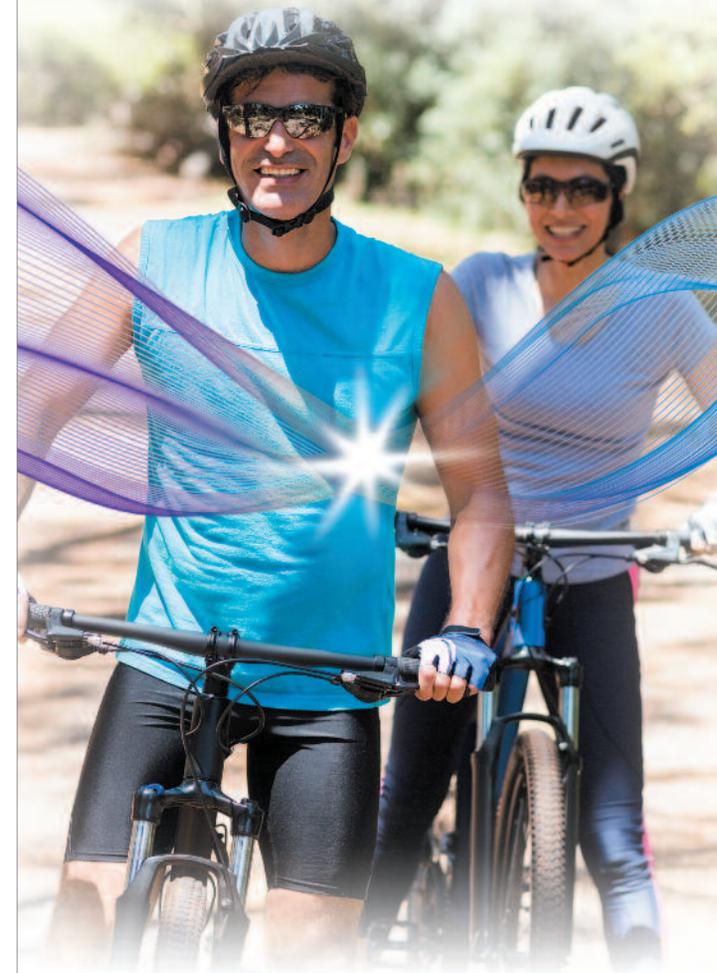
Direct Biologics' XoFlo is a placental cell-derived exosome product that carries a milieu of proteins and signals that are anti-inflammatory.

- XoFlo is a non-surgical option for patients.
- Exosomes are known to stimulate stem cell activity and communication.
- In topical applications, XoFlo can help in the repair and reconstruction of skin tissue.

Consult your healthcare provider to discuss if your current medical condition qualifies for treatment with XoFlo. If so, they will advise the best treatment plan associated with your condition.

Direct Biologics is an innovative technology company focused on developing and providing regenerative biologic products for the medical market.

XoFlo™



Your Direct Connection to Regenerative Healing

DIRECT  BIOLOGICS™

Call: 1-800-791-1021
Email: info@directbiologics.com
Website: directbiologics.com

DIRECT  BIOLOGICS™



Exosomes are...

tiny micro-vesicles (50-150µm) that are involved in cell-to-cell communication. These are the new frontier in regenerative medicine, what was historically viewed as cellular waste, has been recently discovered that these vesicles are involved in direct cell signaling. The **XoFlo** exosomes from Direct Biologics are obtained from placenta-derived mesenchymal stem cells (MSCs) and purified using a proprietary filtration process. The unique benefit to these exosomes is that they are placental-derived and bring a wide array of growth factors to stimulate and modulate many processes within the healing cascade in a multitude of therapeutic applications.

Exosomes are not cells but are micro-vesicles that contain no nucleus or DNA. They are regarded as one of the purest forms of cellular therapy available, because their function is to provide tissue and wound healing by directing the patient's own regenerative cell response.

This is one of the latest generations of naturally bioactive amnion-based products for patient treatment. Stem cells and stem cell therapy work by paracrine signaling

(cell-cell communication in which a cell produces a signal to induce changes in nearby cells) to create the appropriate healing environment to restore tissue. The exosomes in **XoFlo** are those paracrine signals that can be delivered to a patient without the need for delivering external stem cells. As the technology and discovery of new methods of treating patients has evolved, the science shows that the optimal way to provide true "stem cell therapy" is to directly provide the signals as its own therapy and avoid potential issues with foreign stem cells.

Cells by nature work to heal, repair, and restore the body. But, in some cases where there is a chronic abnormality, these cells fall into an inflammatory state, work in an unregulated capacity and inhibit healing. The 200+ growth factor proteins found to naturally occur in placental tissue and in the **XoFlo** product have shown to help stimulate and modulate the inflammatory healing process. This is accomplished by recruiting the patients' own cells to the area, revascularizing the area and down-regulating inflammatory cell response once the task is completed.

How Many Treatments will it Require?

On average, patients will see the effects and potential relief after 4 weeks of the initial injection. Many patients with pain, inflammation, degenerative diseases, or strains experience significant improvement after single treatment.

Refer to your physician for the appropriate treatment plan to meet your individual needs and determine if you are a candidate for **XoFlo**.

What Should I Expect?

Your physician will advise about their clinic specific protocols for preparation of your **XoFlo** procedure. Most patients resume to normal daily function post-procedure, but it is recommended that strenuous exercise be avoided immediately after the procedure to allow the success of injection. Your physician will discuss with you the post procedure protocol.