

## Why AmnioFix Sports Med?

The use of amniotic tissue has been documented in published literature since the early 1900s. Amniotic membrane has been the subject of many scientific publications evaluating its use in the:

- Modulation of Inflammation
- Reduction of Scar Tissue Formation
- Enhanced Healing of Soft Tissue

All of the amniotic membrane tissue for AmnioFix Sports Med is donated by healthy consenting mothers undergoing scheduled Caesarean sections. The amniotic membrane is the cover (membrane) surrounding the baby, and is typically discarded after the baby is born. The recovery of the membrane does not affect the baby or the delivery process. Therefore, the donation process does not share the ethical concerns associated with embryonic tissue.

All tissue donors are tested for infectious diseases, similar to the testing done for blood donation. The amniotic membrane then undergoes a validated proprietary process to thoroughly cleanse and preserve the tissue, called the PURION® Process. The steps of the PURION Process include: cleansing the tissue, drying the tissue, and sterilization.

AmnioFix allografts are procured and processed in the United States according to the standards and/or regulations established by the American Association of Tissue Banks (AATB) and the United States Food and Drug Administration (FDA).



Since 2006, as the **premier leader in regenerative medicine**, MiMedx® has been dedicated to advancing healing through innovative biomaterial products and bioimplants. To date, approximately **20 clinical and scientific papers** have been published in peer-reviewed journals on our PURION Processed amniotic membrane allografts. The proprietary PURION Process and its multi-layer grafts are covered by almost **20 issued patents**, with an additional **80 patents pending**. PURION Processed allografts are **clinically effective** and more than **400,000 allografts** have been distributed to date with **ZERO FDA reportable adverse reactions**.†

1. Koob TJ, Rennert R, Zabek N, Masee M, Lim JJ, Temenoff JS, Li WW, Gurtner G. Biological properties of dehydrated human amnion/chorion composite graft: implications for chronic wound healing. *Int Wound J*. 2013 Oct;10(5):493-500.
2. Koob TJ, Lim JJ, Masee M, Zabek N, Denozière G. Properties of dehydrated human amnion/chorion composite grafts: implications for wound repair and soft tissue regeneration. *J Biomed Mater Res B Appl Biomater*. 2014 Aug;102(6):1353-62.
3. Koob TJ, Lim JJ, Masee M, Zabek N, Rennert R, Gurtner G, Li WW. Angiogenic properties of dehydrated human amnion/chorion allografts: therapeutic potential for soft tissue repair and regeneration. *Vasc Cell*. 2014 May 1;6:10.

† As of June 1, 2015

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Amniotic membrane  
allografts for enhanced  
soft tissue healing



Patents and patents pending see: [www.mimedx.com/patents](http://www.mimedx.com/patents)  
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**AmnioFix®**  
SPORTS MED



## What is AmnioFix® Sports Med?

AmnioFix Sports Med is a human amniotic membrane allograft. There have been over 400,000 allografts distributed for soft tissue applications in eye surgery, dental surgery, orthopedic surgery, and wound care. Other forms of amniotic membrane have been used for almost 100 years. AmnioFix Sports Med contains natural factors, called growth factors, for homologous use to modulate inflammation, reduce scar tissue formation, and enhance healing in soft tissue applications.

## What are growth factors?

Growth factors are powerful agents that our bodies produce to signal cells to come to the target site, help the site to heal, and help your own cells regenerate the damaged tissue. AmnioFix Sports Med contains some of the most important growth factors needed for soft tissue healing.

## Which growth factors are in AmnioFix Sports Med?

Over 57 different growth factors, specialized cytokines, and enzyme inhibitors have been identified in AmnioFix.<sup>1,2,3</sup> The following are some of the most notable growth factors that help enhance healing:

- Transforming Growth Factor Beta (TGF-β)
- Fibroblast Growth Factor (FGF)
- Platelet Derived Growth Factor A & B (PDGF AA & BB)

# AmnioFix Sports Med modulates inflammation, reduces scar tissue formation, and enhances healing of soft tissue

## Is AmnioFix Sports Med Right for Me?

You and your doctor may consider AmnioFix Sports Med an option if:

- You have been diagnosed with a tendon or soft tissue injury
- Conservative treatment such as anti-inflammatories, physical therapy, and bracing have not provided symptomatic relief of inflammation
- You want a non-steroidal option or have reached your limit of steroid injections

## How can AmnioFix Sports Med help my injury?

Soft tissue injuries are often caused by either trauma or overuse of the affected area. Micro-tears in the tissue form and become inflamed. Scar tissue may form and impede a full recovery. Conservative treatments of oral or topical anti-inflammatories and rest usually will help heal the injury. If additional treatment is needed, your doctor may recommend AmnioFix Sports Med. AmnioFix Sports Med contains naturally occurring agents for homologous use to modulate inflammation, reduce scar tissue formation, and enhance healing in soft tissue applications.

## Treatment Information

### How do I prepare for a treatment?

You will be scheduled for an evaluation and consultation to determine if AmnioFix Sports Med is a viable treatment option for you. The entire AmnioFix Sports Med treatment process is very short and is generally performed on an outpatient basis.

### How do I care for my treatment site?

The treatment site might appear red and be tender to the touch. You may apply ice and elevate as needed. Initially, the procedure may cause some localized soreness and discomfort; this may last 2-3 days. If you have questions about your treatment, please consult your doctor.

### What happens after my treatment?

Your physician may prescribe some rehabilitation exercises or direct you to a rehabilitation facility. For AmnioFix Sports Med to work optimally, it is important that you follow the doctor directed post-treatment care.



**AmnioFix**<sup>®</sup>  
SPORTS MED