

# CHITOSAM TRAINING

[kahy-tuh-sam]

**SAM**<sup>®</sup>  
MEDICAL

**SAM**<sup>®</sup>  
MEDICAL



# CHITOSAM

[kahy-tuh-sam]

[https://www.youtube.com/watch?v=WZLsrH\\_gTXM](https://www.youtube.com/watch?v=WZLsrH_gTXM)

# CHITOSAM

[kahy-tuh-sam]

# CHITOSAM

**ChitoSAM is a high-performance hemostatic, non-woven chitosan dressing, spun directly from chitosan derived from crustaceans, including snow crab shells.**

**Designed to stop lethal bleeding rapidly, easy to use, and works independently from the body's normal clotting process.**

**[https://www.youtube.com/watch?v=V\\_gS-A9u0sM](https://www.youtube.com/watch?v=V_gS-A9u0sM)**

A person wearing a blue jacket is lying on a stretcher in a field. The scene is dimly lit, suggesting a night or low-light environment. Medical equipment, including a stretcher and various supplies, is visible around the person. The overall tone is serious and focused on emergency medical care.

**ENGINEERED TO PRESERVE LIFE**



# ENGINEERED TO PRESERVE LIFE



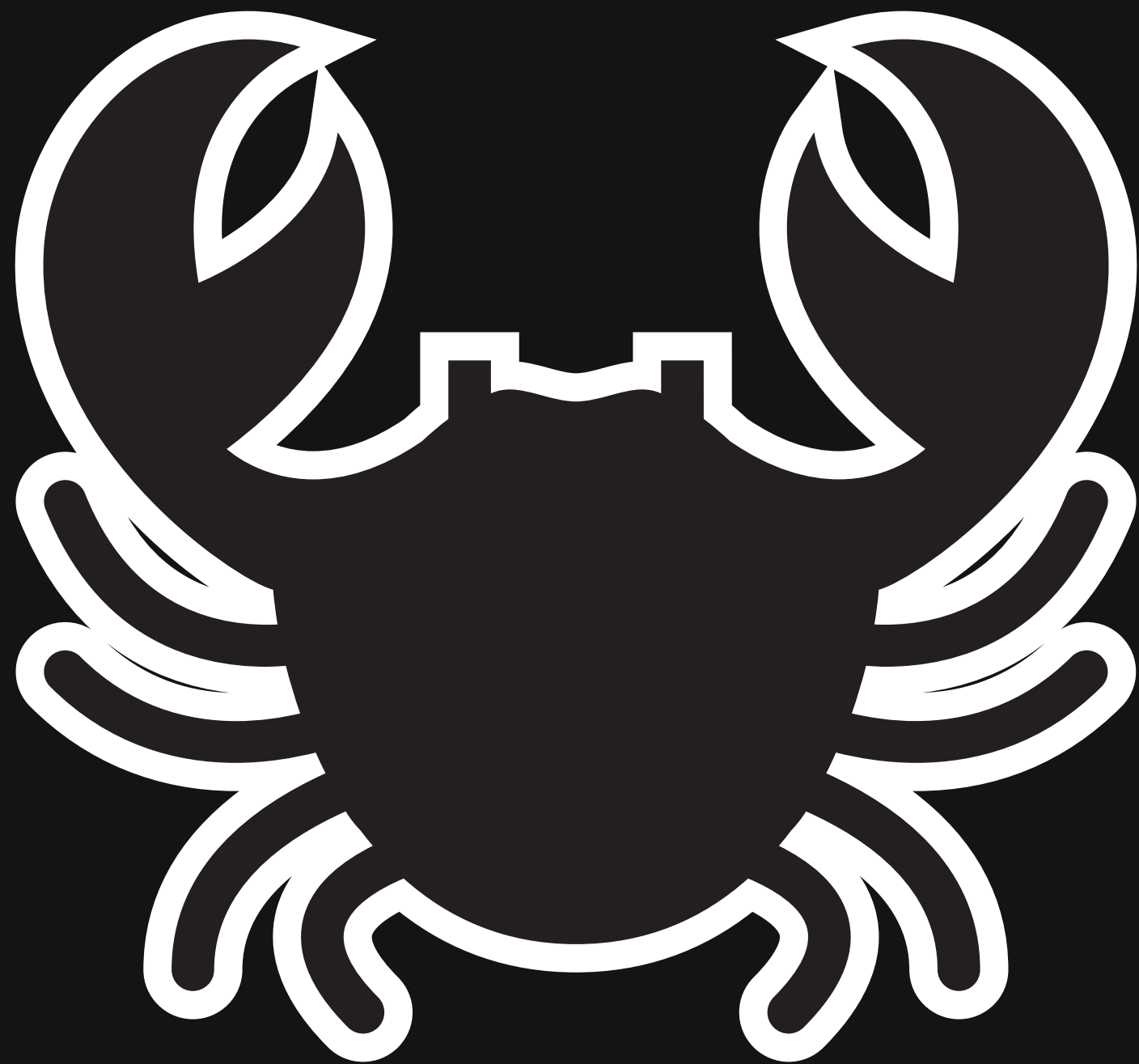
ENGINEERED TO PRESERVE LIFE



**STOPS  
BLEEDING  
FAST**

Designed to stop lethal bleeding rapidly, easy to use, and works independently from body's normal clotting process.

ENGINEERED TO PRESERVE LIFE



## **CHITOSAN**

Chitosan (polymerized glucosamine) has an extensive history of use as a hemostat in EMS, Military, and Tactical arenas. ChitoSAM is composed of non-woven chitosan. It contains no cotton, rayon or polyester.



ENGINEERED TO PRESERVE LIFE

## **NON-WOVEN DRESSING**

Facilitates tearing into smaller pieces as needed.

ENGINEERED TO PRESERVE LIFE



## TEAR ANYWHERE PACKAGE

Innovative package design allows for quick access from any side.

A person is lying on a stretcher in a field, receiving medical attention. The scene is dimly lit, suggesting a night or low-light environment. The person is wearing a dark jacket and pants. Medical equipment, including a white bag with a red cross and a blue bag, is visible around the person. The text "WHY CHITOSAM?" is overlaid in large, white, bold letters across the center of the image.

# WHY CHITOSAM?

# CHITOSAM

**ChitoSAM is a high-performance hemostatic, non-woven chitosan dressing, spun directly from chitosan derived from crustaceans, including snow crab shells.**

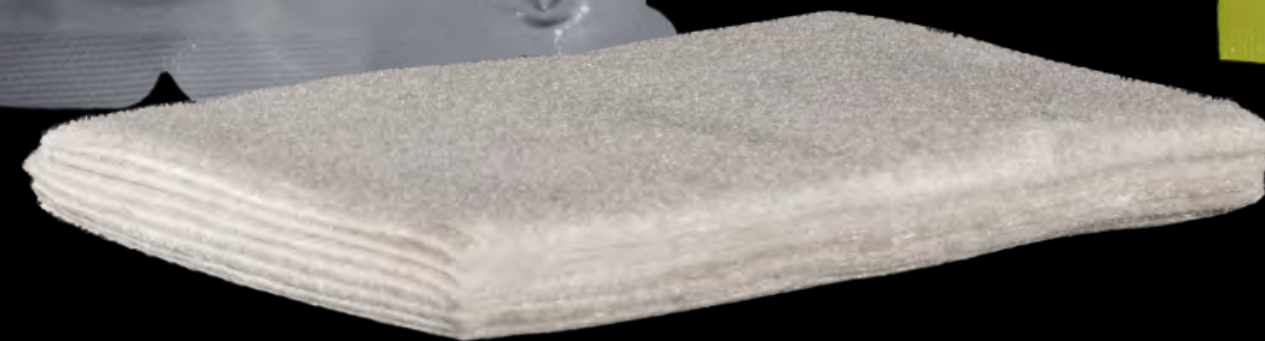
**Designed to stop lethal bleeding rapidly, easy to use, and works independently from the body's normal clotting process.**

A person wearing tactical gear and gloves is applying a Chitosam dressing to a wound on a mannequin. The person is holding a package of Chitosam 100 dressing. The background is dark and blurry, suggesting an outdoor or training environment. The text 'CHITOSAM APPLICATION' is overlaid in large white letters, with the pronunciation '[kahy-tuh-sam]' below it. The package of Chitosam 100 dressing is visible, showing the brand name and 'STOP BLEEDING FAST'.

# CHITOSAM APPLICATION

[kahy-tuh-sam]

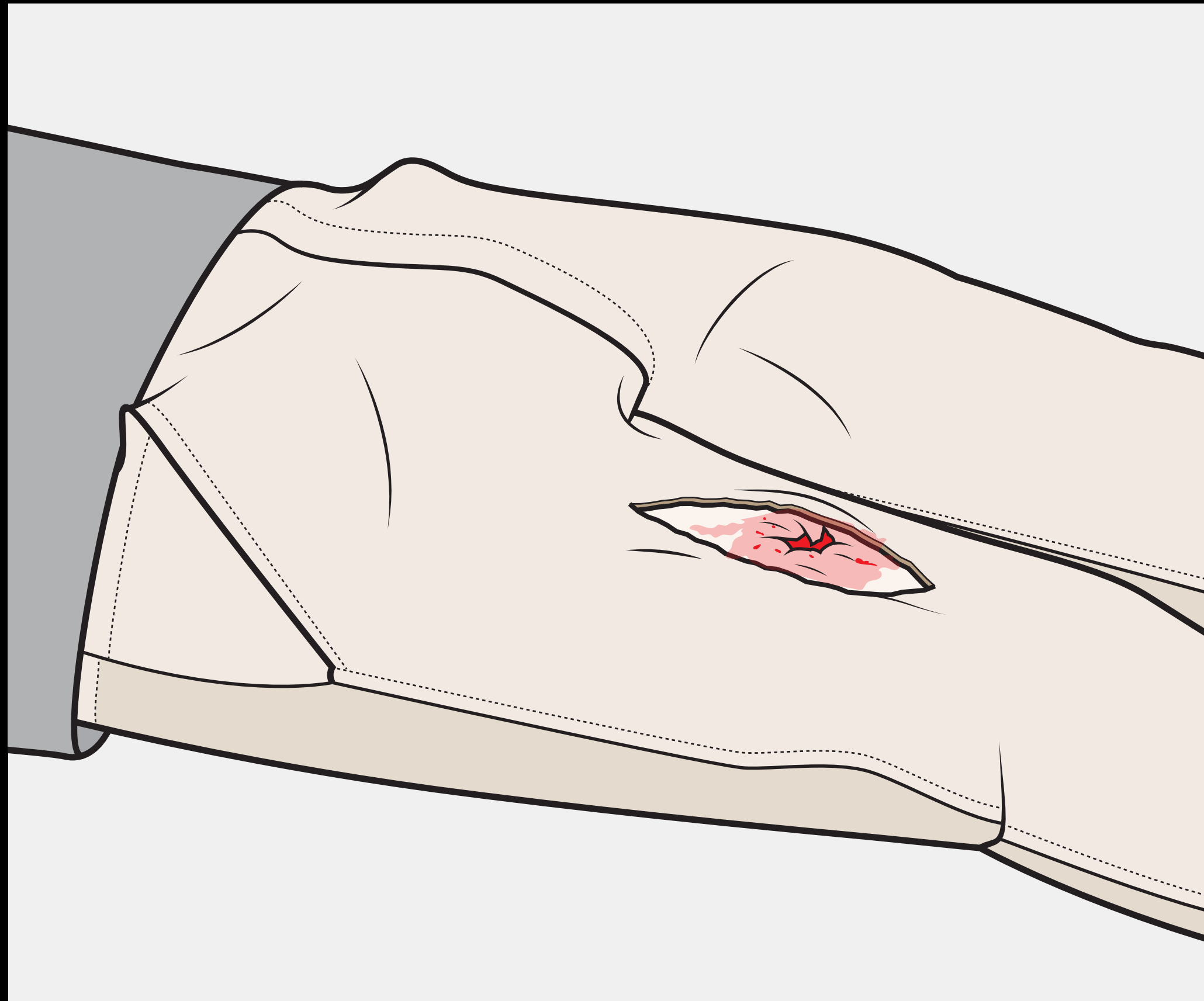




**<https://www.youtube.com/watch?v=yStz085iBMM>**

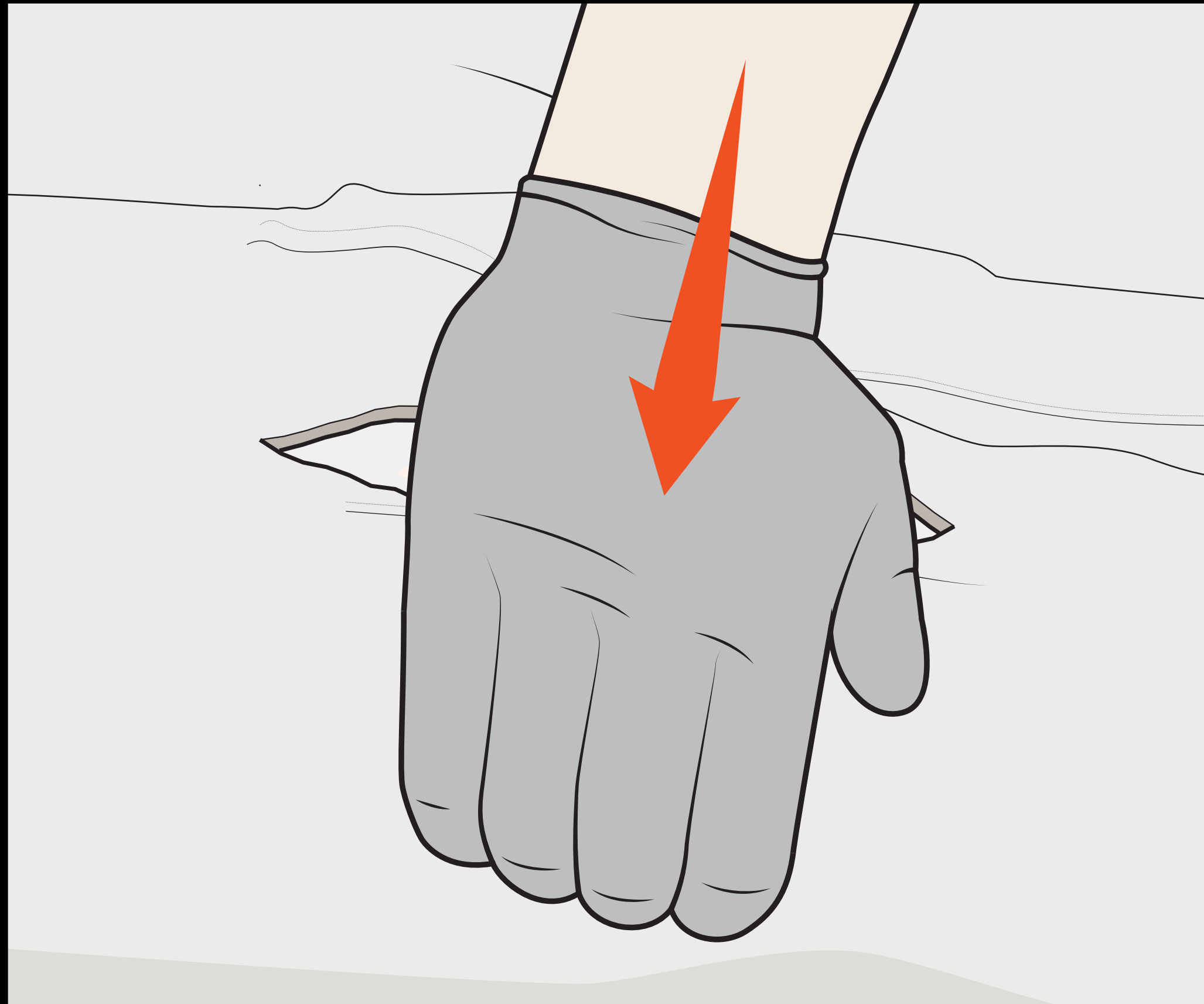
# STEP 01 | STOP THE BLEED

# STOP THE BLEED



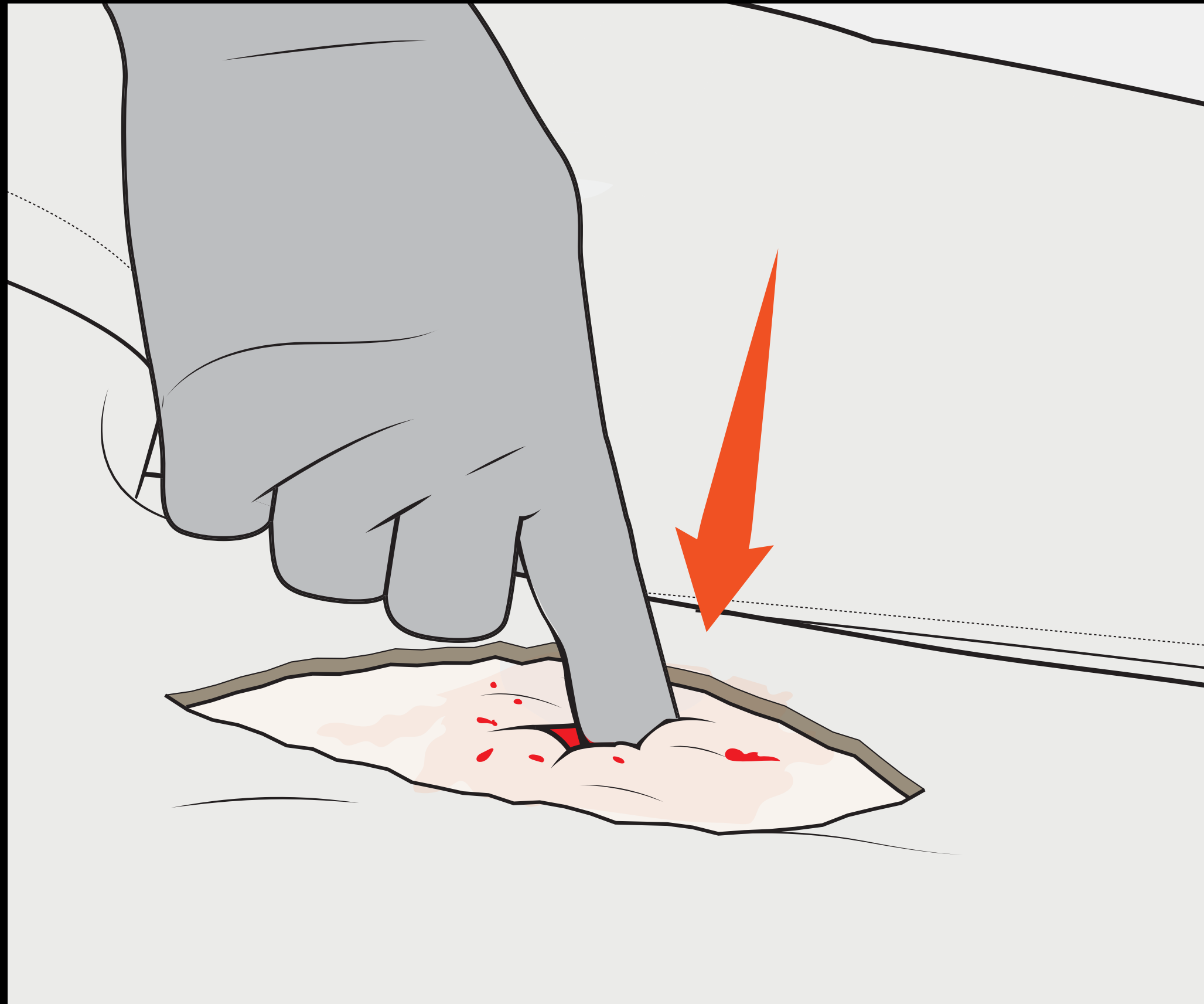
Identify and expose the wound

# STOP THE BLEED



Immediately apply direct pressure to the wound, using gauze, clean cloth, elbow, knee-whatever it takes to slow or stop the hemorrhage-until you have time to get out your wound packing supplies.

# STOP THE BLEED



If you see and obvious source of bleeding (artery, vein, or both) Apply firm, direct pressure to that source.

# STEP 02 | PACK THE WOUND

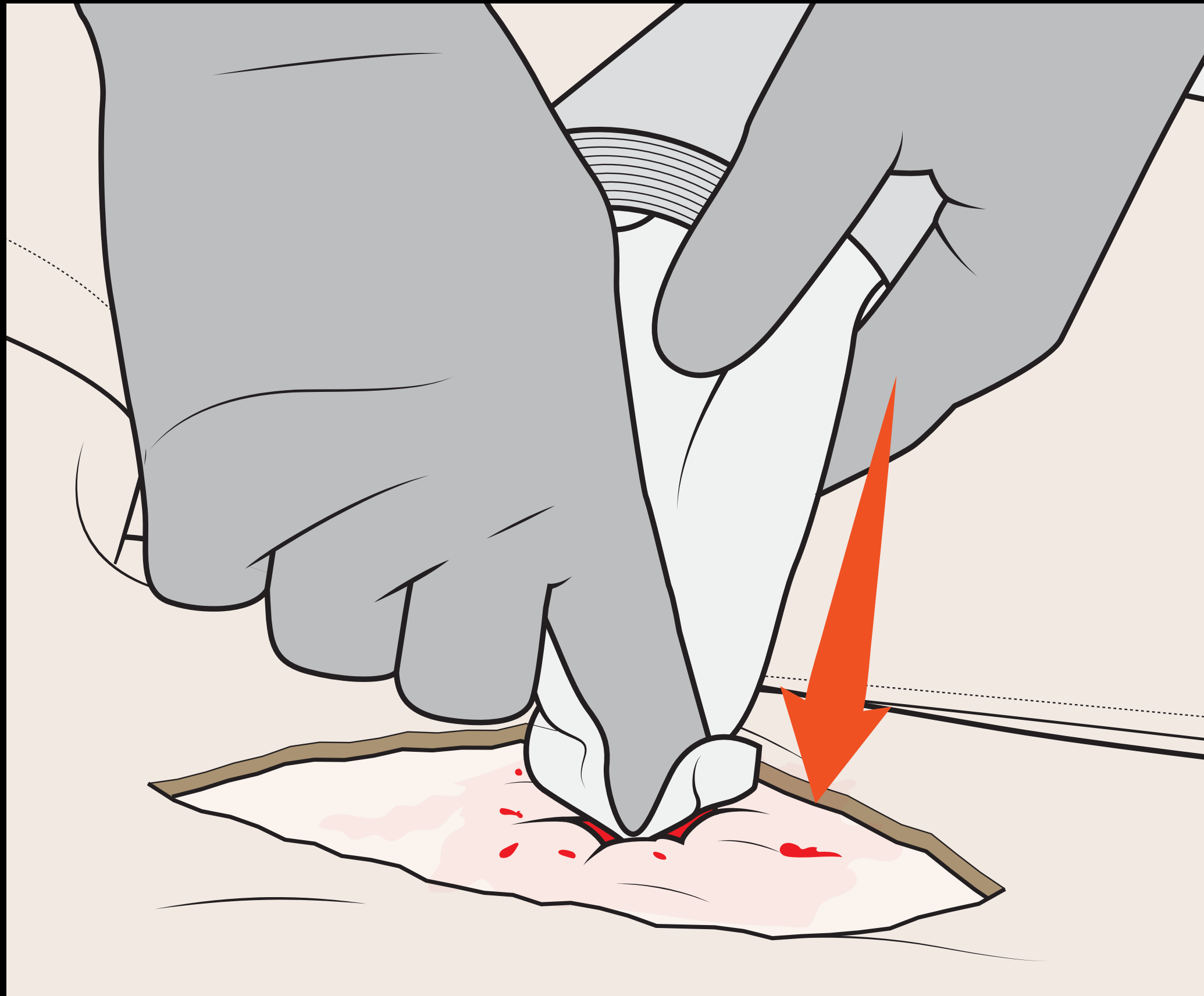
# PACK THE WOUND



Open the ChitoSAM and  
remove the gauze.



## PACK THE WOUND



Insert ChitoSAM as deep into wound as you can. Apply packing continuously as tightly as possible, working from the depth of the wound, to the surface.

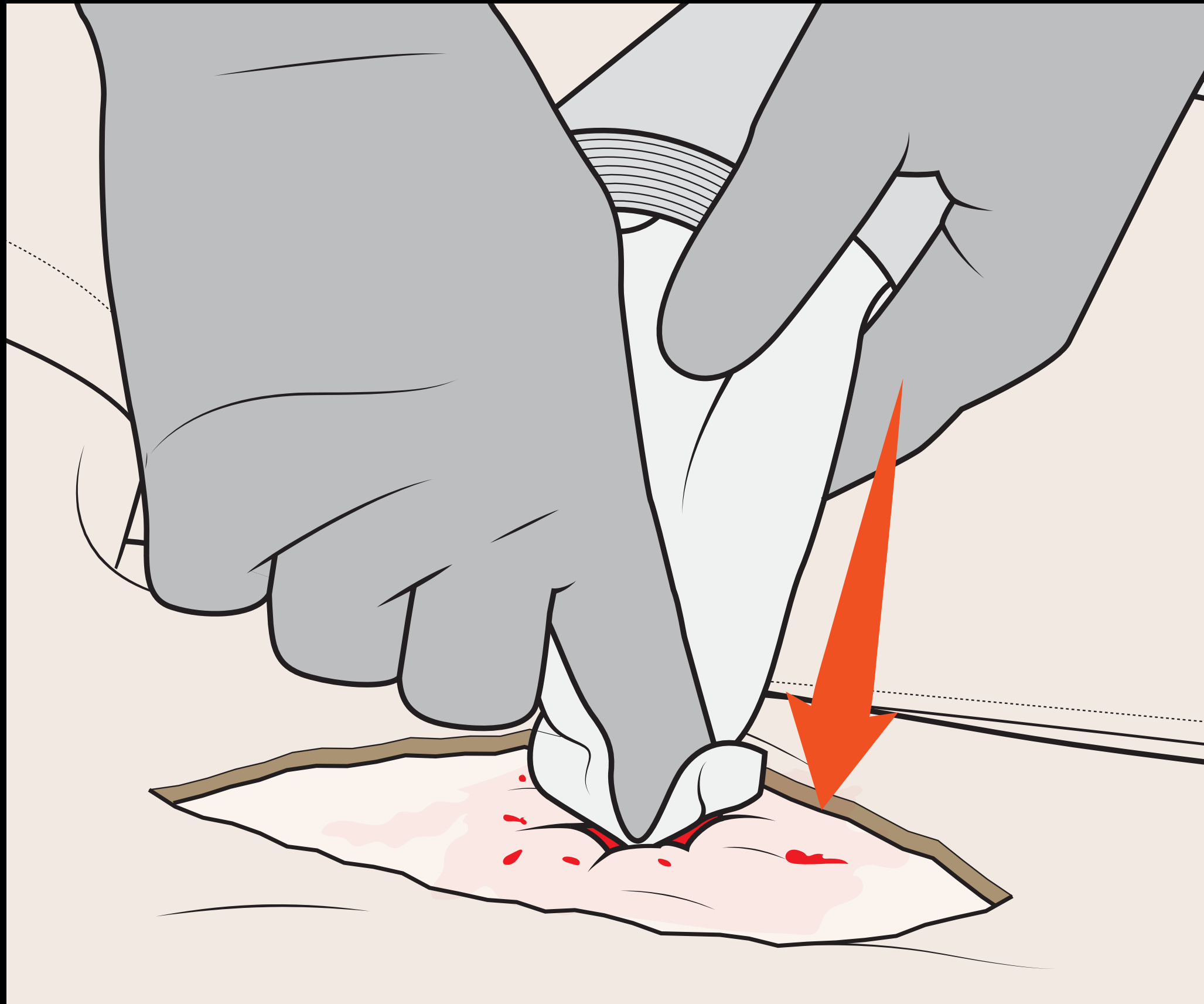
# STEP 03 | KEEP PACKING

KEEP PACKING

When you think you have packed the wound enough

**PACK MORE!**

## KEEP PACKING



Pack the wound with additional ChitoSAM. If you run out of ChitoSAM continue to pack with standard gauze until the wound is completely full.

When you finish, if packed correctly, the packing and wound surface should feel rock solid.

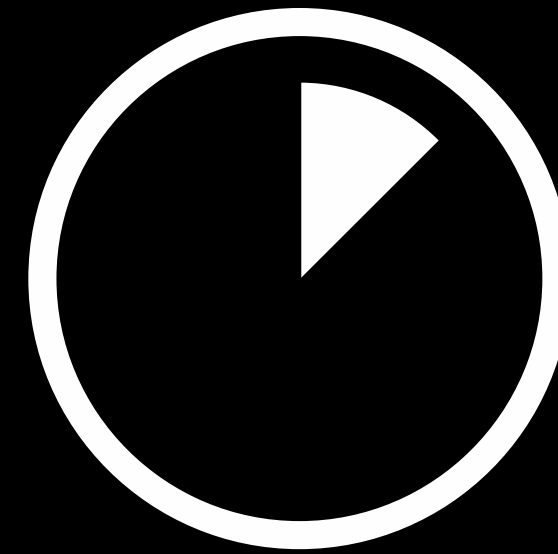
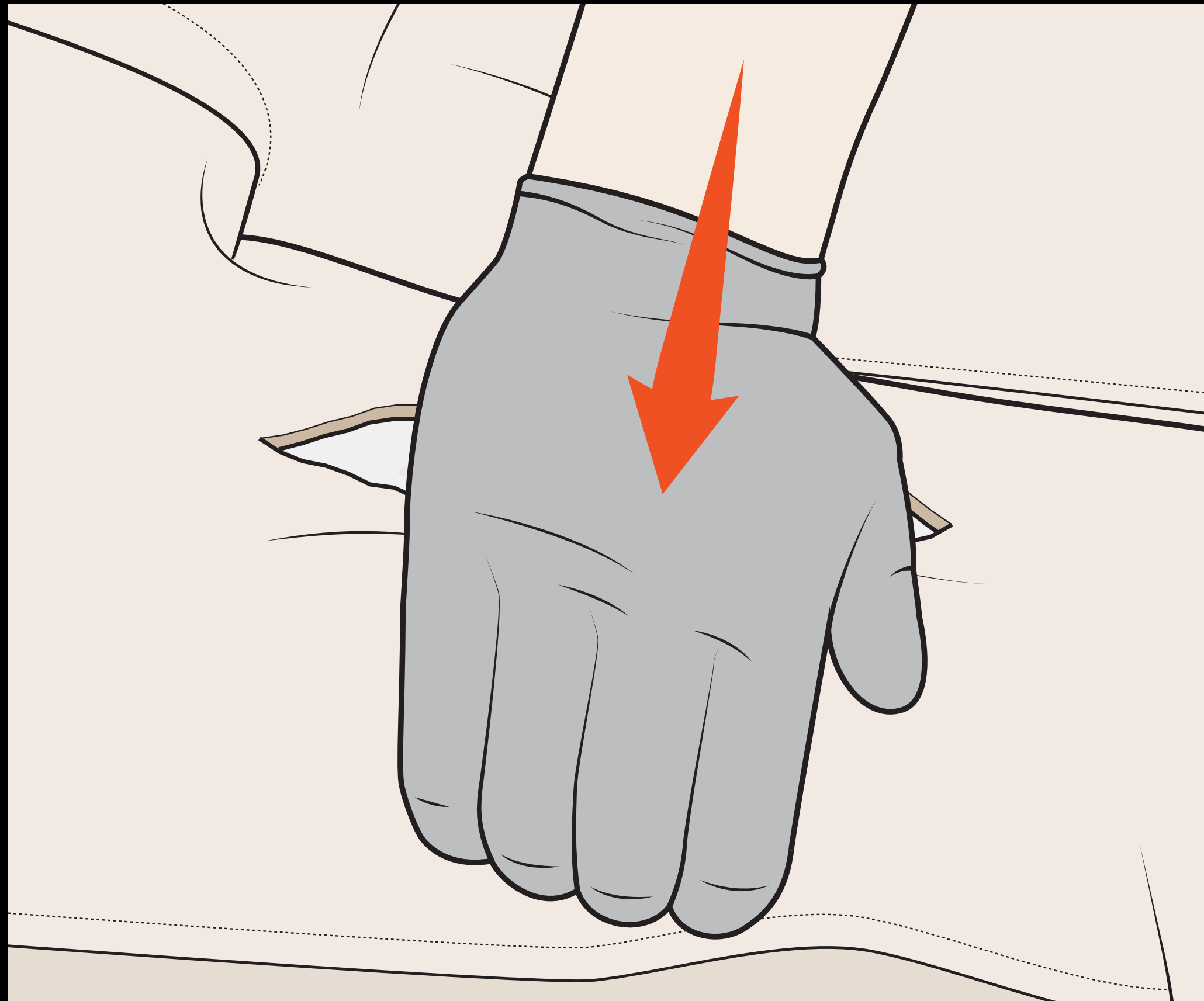
## KEEP PACKING

**The key to successful wound packing is that the wound be very tightly packed, applying as much pressure as possible to the bleeding vessel.**

**This pressure against the vessel is the most important component of hemorrhage control.**

# STEP 04 | APPLY FIRM PRESSURE

# APPLY FIRM PRESSURE



03 : 00  
MIN SEC

Apply direct firm pressure for a minimum of 3 minutes.

# STEP 05 | SECURE TIGHTLY



# CONTINUED HEMORRHAGE

## CONTINUED HEMORRHAGE

**If bleeding persists, attempt to add more packing if possible. Apply additional direct pressure for 3 more minutes and add compression dressing.**

## CONTINUED HEMORRHAGE

**Should the bleeding continue, additional measures such as the SAM XT above the wound, or a SAM Junctional tourniquet may be required. Apply until bleeding stops and expedite transfer to a definitive care facility.**

# FAQS

## FAQS



## Does ChitoSAM change the casualty's clotting process?

No, ChitoSAM actually work independent of the person's normal clotting factors to enhance the clotting process.

## FAQS



## How can ChitoSAM be so pure?

Because ChitoSAM is created through a process which spins chitosan into a cloth like material. Others impregnate or coat a dressing with chitosan, ChitoSAM is a nearly pure hemostatic agent.

## FAQS



## Has chitosan or products containing chitosan been used in humans?

Yes, chitosan has a significant history of use specifically to control bleeding in cardiac surgery.





## FAQS

### **Can ChitoSAM be used to pack a wound?**

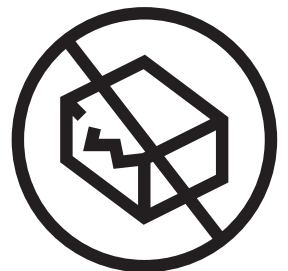
Yes, ChitoSAM is recommended whenever excessive bleeding occurs and a simple treatment process is not effective. This should include large open wounds such as lacerations, avulsions, amputations, and penetrating wounds.



# REGULATORY



Emergo Europe, Prinsessegracht 20,  
2514 AP, The Hague, The Netherlands



SAM Medical Products®  
27350 SW 95th Ave, Ste 3038  
Wilsonville, OR 97070 USA

MORE INFO

[sammedical.com](http://sammedical.com)

**THANK YOU**

**SAM**<sup>®</sup>  
MEDICAL

**MORE THAN SURVIVAL™**