

A police officer in tactical gear is applying a SAM Chest Seal to a man's chest. The man is lying on a staircase, and the officer is leaning over him. The background shows a metal railing and a building.

SAM CHEST SEAL **TRAINING**

SAM[®]
MEDICAL



WHY WE NEED CHEST SEALS

WHY WE NEED CHEST SEALS



Open chest wounds, specifically Tension Pneumothorax are the leading cause of potentially survivable battlefield deaths.

WHAT IS AN OPEN CHEST WOUND?

WHY WE NEED CHEST SEALS



Open chest wounds, specifically Tension Pneumothorax, are the leading cause of potentially survivable battlefield deaths.

A valved chest seal should cover and protect the open chest wound while not preventing potentially lethal pressure from escaping the pleural space.

1. Eastridge BJ, Mabry RL, Seguin P, Cantrell J, Tops T, Uribe P, Mallett O, Zubko T, Oetjen-Gerdes L, Rasmussen TE, Butler FK, Kotwal RS, Holcomb JB, Wade C, Champion H, Lawnick M, Moores L, Blackbourne LH. Death on the battlefield (2001-2011): implications for the future of combat casualty care. J Trauma Acute Care Surg. 2012 Dec;73(6 Suppl 5):S431-7.

2. Holcomb JB, McMullin NR, Pearse L, et al. Causes of Death in U.S. Special Operations Forces in the Global War on Terrorism: 2001–2004. Annals of Surgery. 2007;245(6):986-991.

SAM CHEST SEAL

<https://www.youtube.com/watch?v=H4RRmzjrsB0>

A man with a beard is lying down, his head tilted back. A person's hands are visible, one supporting his head and the other resting on his chest. A SAM medical device, a yellow and black pad with multiple electrodes, is applied to his chest. The background is dark and out of focus, suggesting an outdoor or emergency setting.

ENGINEERED TO PRESERVE LIFE

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TRUFLOW™ VALVE*

Is composed of a reinforced dome which protects the chest wound and the internal one-way valve from external forces allowing air to flow from the chest cavity and preventing air ingress into the chest cavity.

*Does not come with non-valved version

https://www.youtube.com/watch?time_continue=2&v=IV17aBtQslg

ENGINEERED TO PRESERVE LIFE

FORTIFIED GEL

Strong Hydrogel tightly adheres to the chest wall in the presence of blood, hair, sweat or sand. And if necessary allows lifting and re-application while maintaining superior adherence.



REVERSE SIDE

ENGINEERED TO PRESERVE LIFE

THIN EDGE LAYER

The thin edge layer resists lifting or peeling, maintaining a formidable seal



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NIGHT VISION OPTIMIZED

Optimized for night vision, the packaging, pouch, dressing backing, and tabs provide ideal contrast for visibility in normal light, low light, and night conditions (using a night vision device).



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OVAL SEAL

Larger than other dressings, its oval shape maximizes the surface area of the seal, and its transparency, elasticity and conformability ensure effective adhesion.



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DUAL APPLICATION TABS

Tabs facilitate the proper placement and removal of adhesive seal, with the ability to vent and reseal.

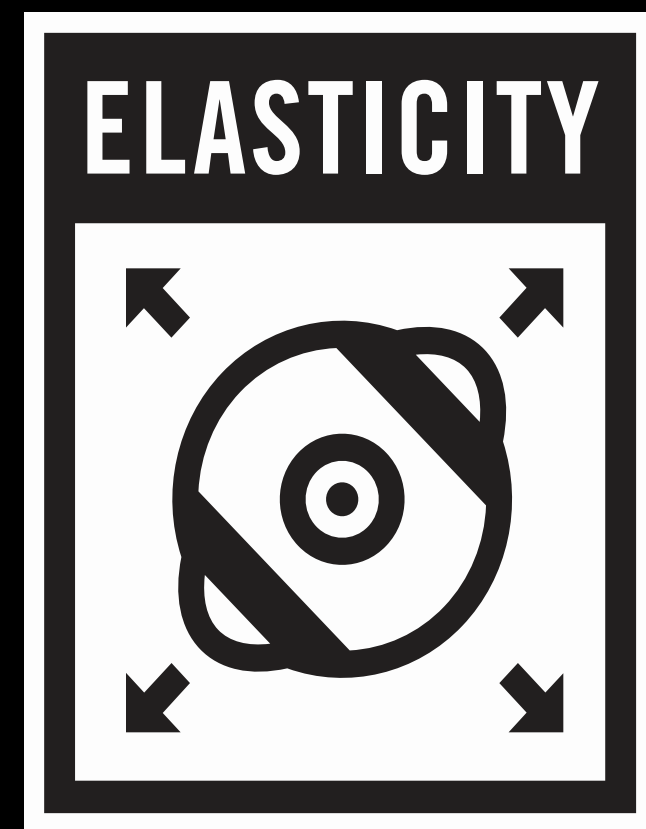
ENGINEERED TO PRESERVE LIFE

PEEL / TEAR PACKAGING

Quickly and easily open SAM[®] Chest Seal packaging by peeling from its tabs or tearing along the chevron-marked areas.



ENGINEERED TO PRESERVE LIFE



ELASTICITY

Flexible polyurethane film allows the SAM Chest Seal to stretch and contract with normal respiratory movements, greatly improving adherence to the chest wall.

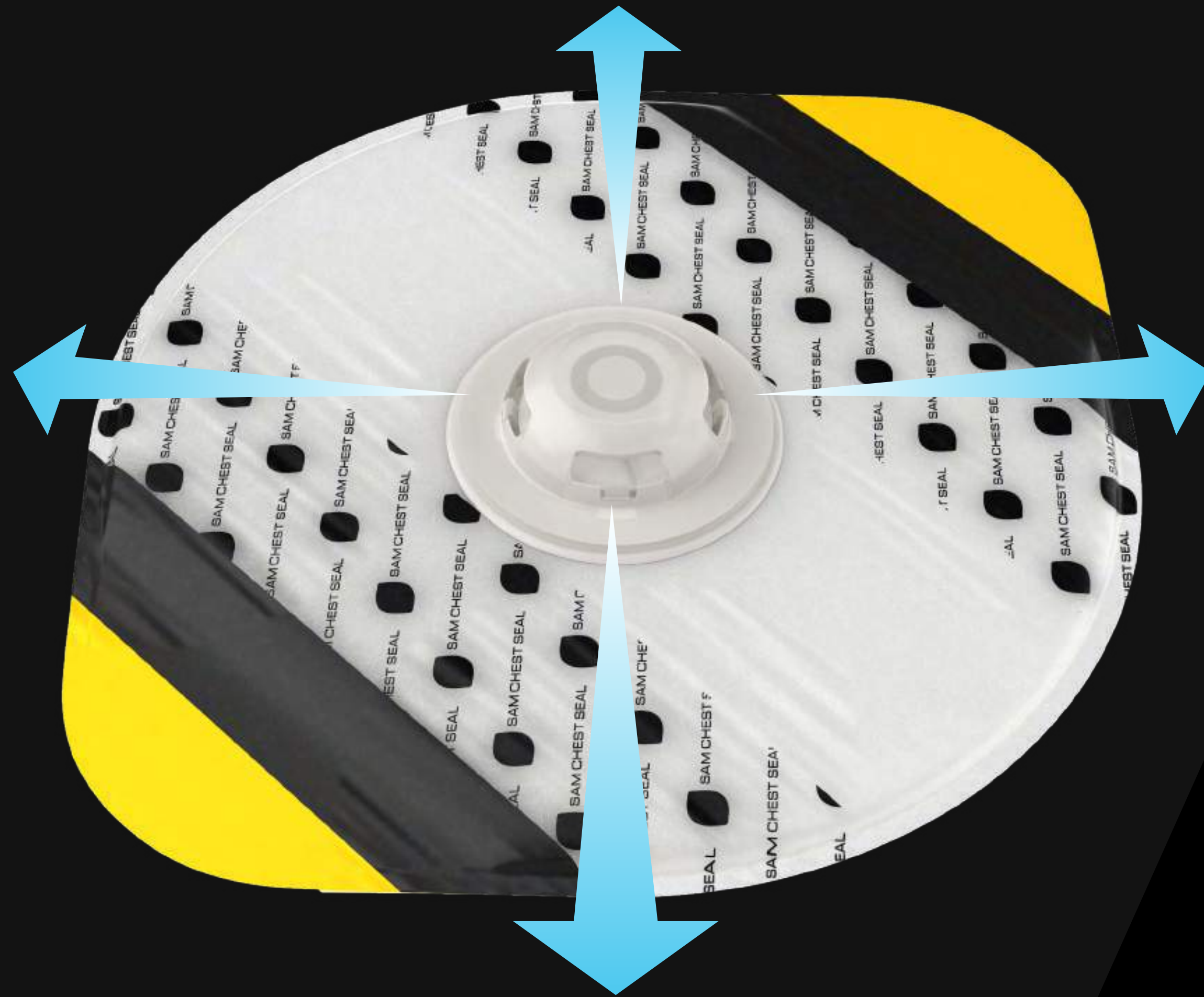
A soldier in camouflage gear is lying on the ground, appearing to be in a medical emergency. A SAM chest seal is applied to their chest. The scene is dimly lit, suggesting a night or low-light environment. The text "WHY SAM CHEST SEAL?" is overlaid in large, white, bold letters across the center of the image.

WHY SAM CHEST SEAL?

SAM CHEST SEAL

SAM[®] Chest Seal is engineered to treat, seal, and reseal open chest wounds under most circumstances. After simple and quick application, SAM[®] Chest Seal sticks relentlessly – through extreme heat or cold, no matter the elements. Meets CoTCCC-preferred features.

WHY SAM CHEST SEAL?



**OCCCLUSION -RESISTANT
TRUFLOW VALVE**

WHY SAM CHEST SEAL?



STERILE SEAL

Minimize further
contamination of the wound

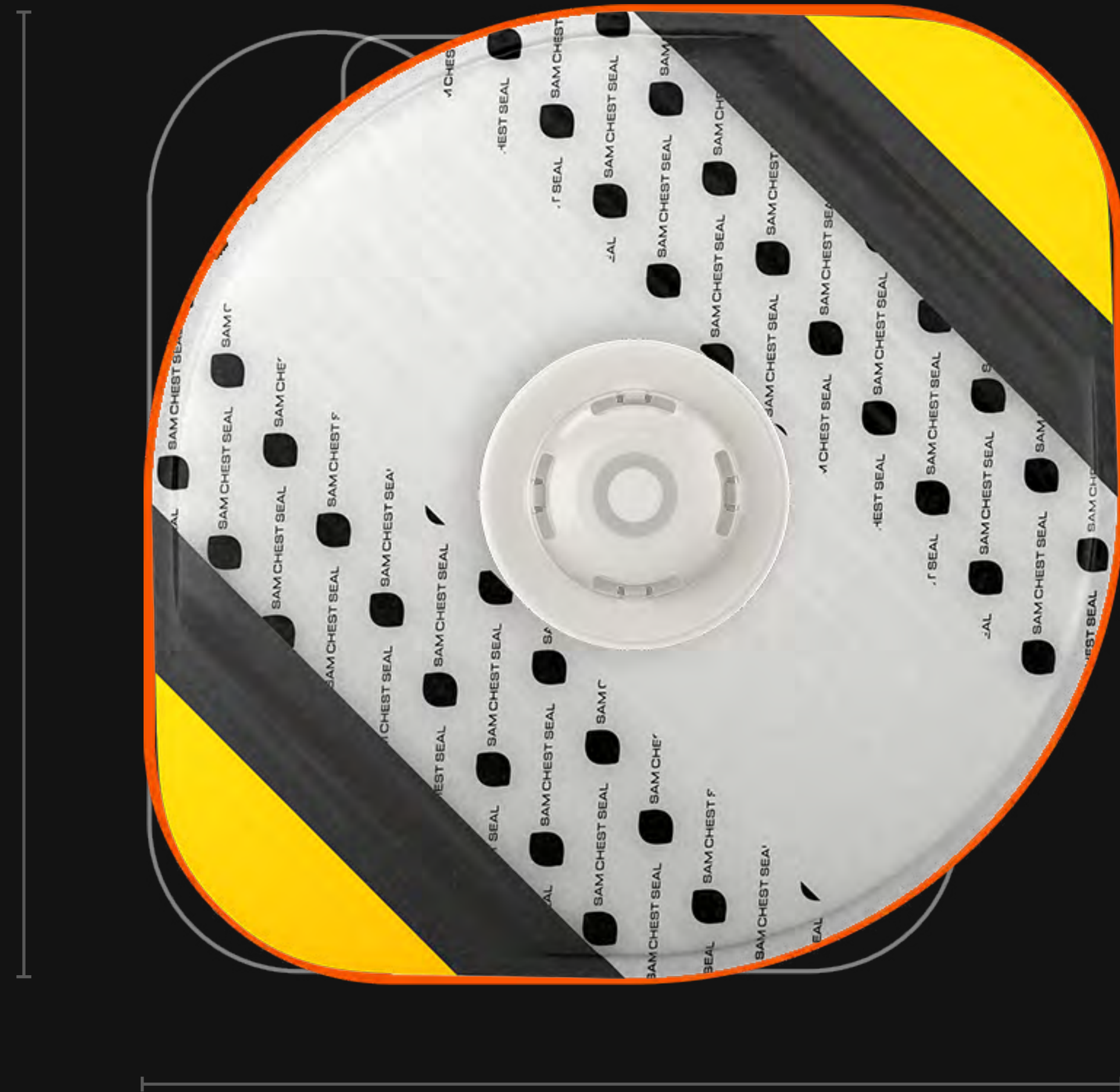
A close-up photograph of a man's chest with a significant, bloody wound. A SAM chest seal is being applied to the wound by a person whose hands are visible. The seal is a transparent, flexible material with black dots around the perimeter. A coiled tube is attached to the seal. The background is blurred, showing what appears to be an outdoor setting.

WHY SAM CHEST SEAL?

FORTIFIED GEL

Strong Hydrogel adheres in the presence of blood, hair, sweat and sand, or when submersed in water.

WHY SAM CHEST SEAL?



LARGE OVAL SIZE

Larger than other dressings, its oval shape maximizes the surface area of the seal, and its transparency, elasticity and conformability ensure effective adhesion.

WHY SAM CHEST SEAL?



NIGHT VISION OPTIMIZED

Optimized for night vision, the packaging, pouch, dressing backing, and tabs provide ideal contrast for visibility in normal light, low light, and night conditions (using a night vision device).

WHY SAM CHEST SEAL?



6-YEAR SHELF LIFE

Industry-leading shelf life ensures SAM[®] Chest Seal is always ready when you need it.

WHY SAM CHEST SEAL?



A medical professional in camouflage attire is applying a SAM Chest Seal to a patient's chest. The patient is lying on a patterned blanket on the ground. The medical professional is using a clear adhesive seal and a small container. The scene is dimly lit, with a spotlight effect on the patient's chest.

SAM CHEST SEAL APPLICATION

COMBO

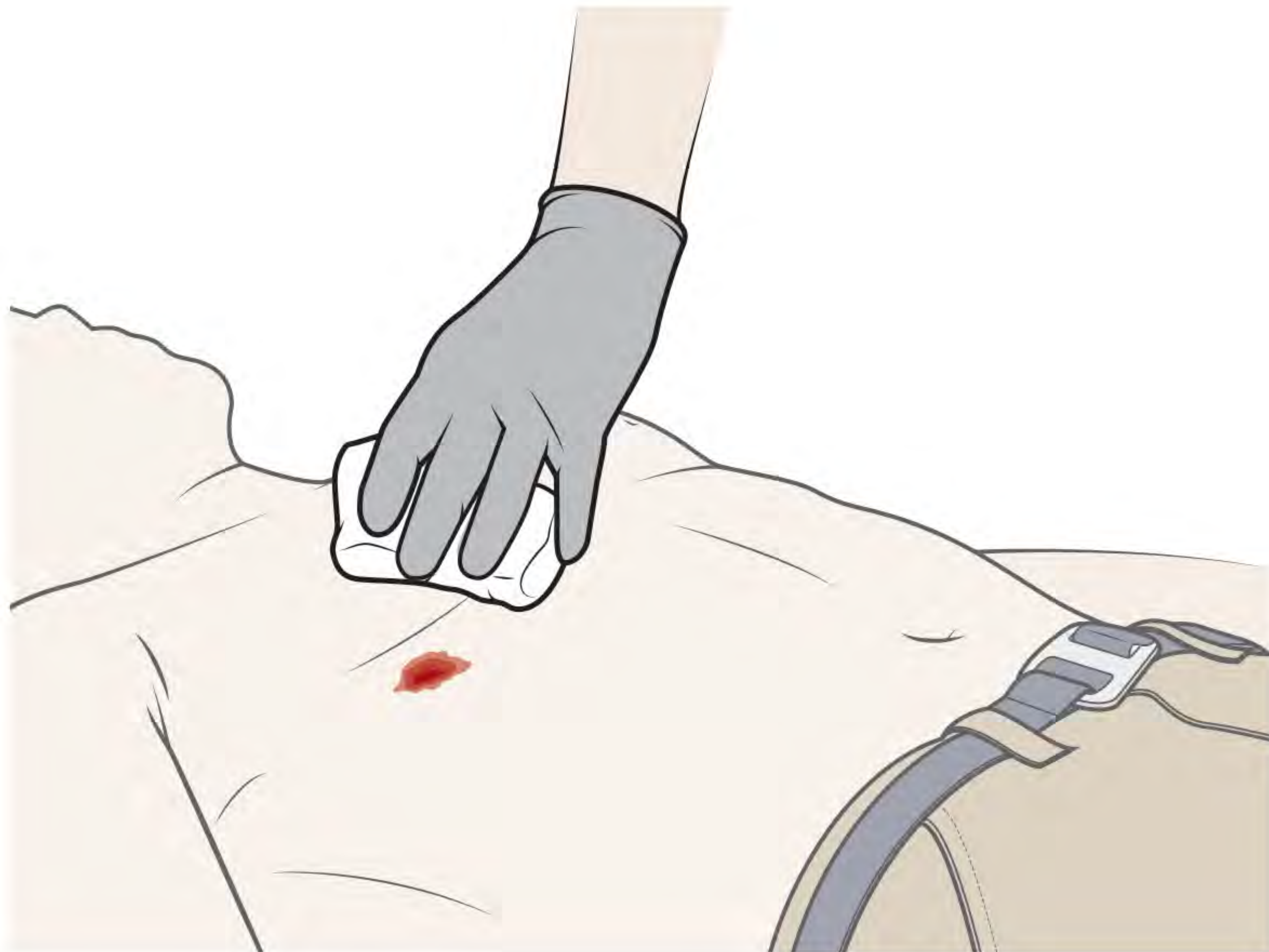


https://www.youtube.com/watch?v=y1log_cklmM



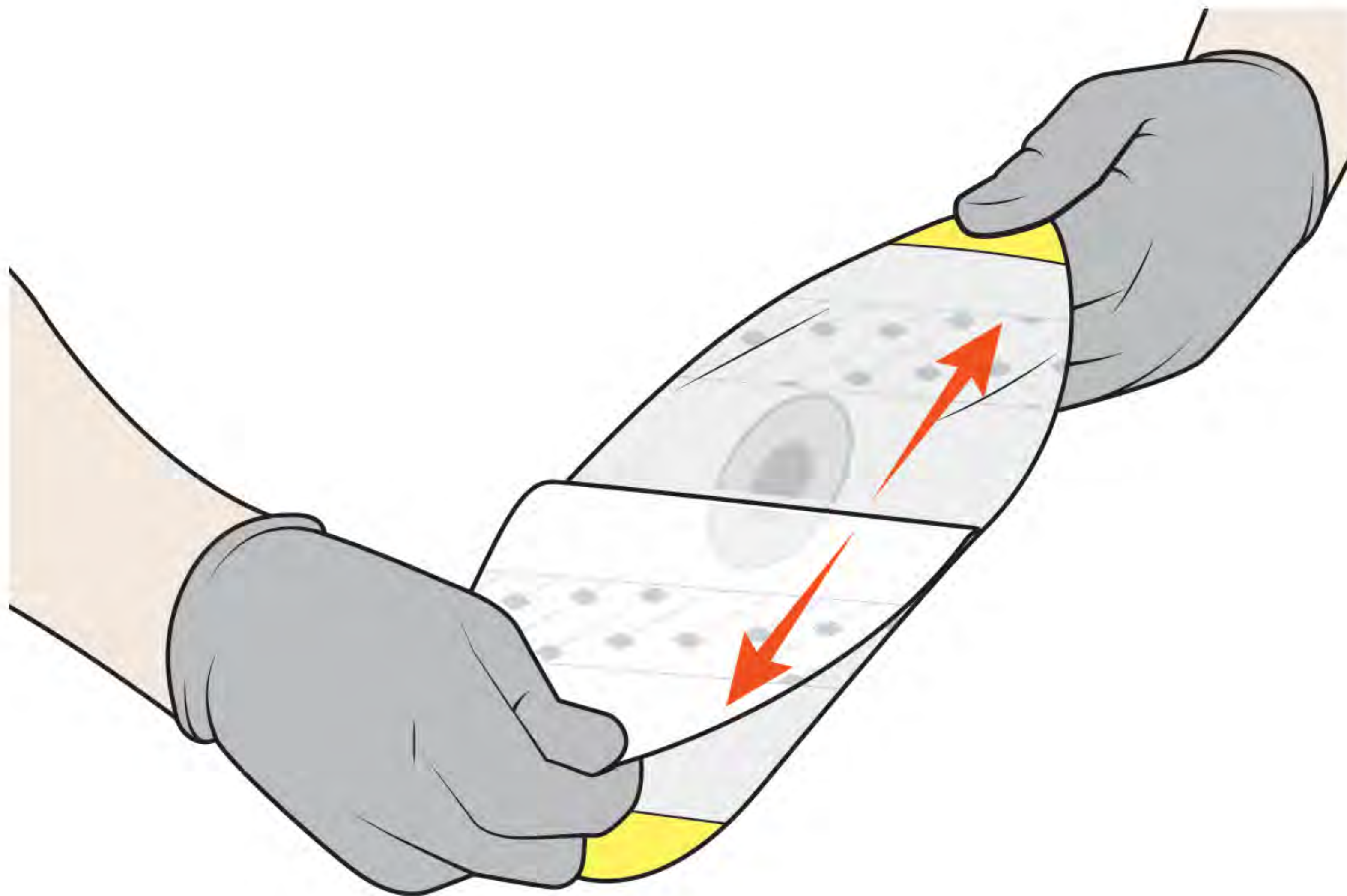
STEP 1

Quickly and easily open the sterilized SAM[®] Chest Seal packaging by peeling from it tabs or tearing along the chevron-marked areas.



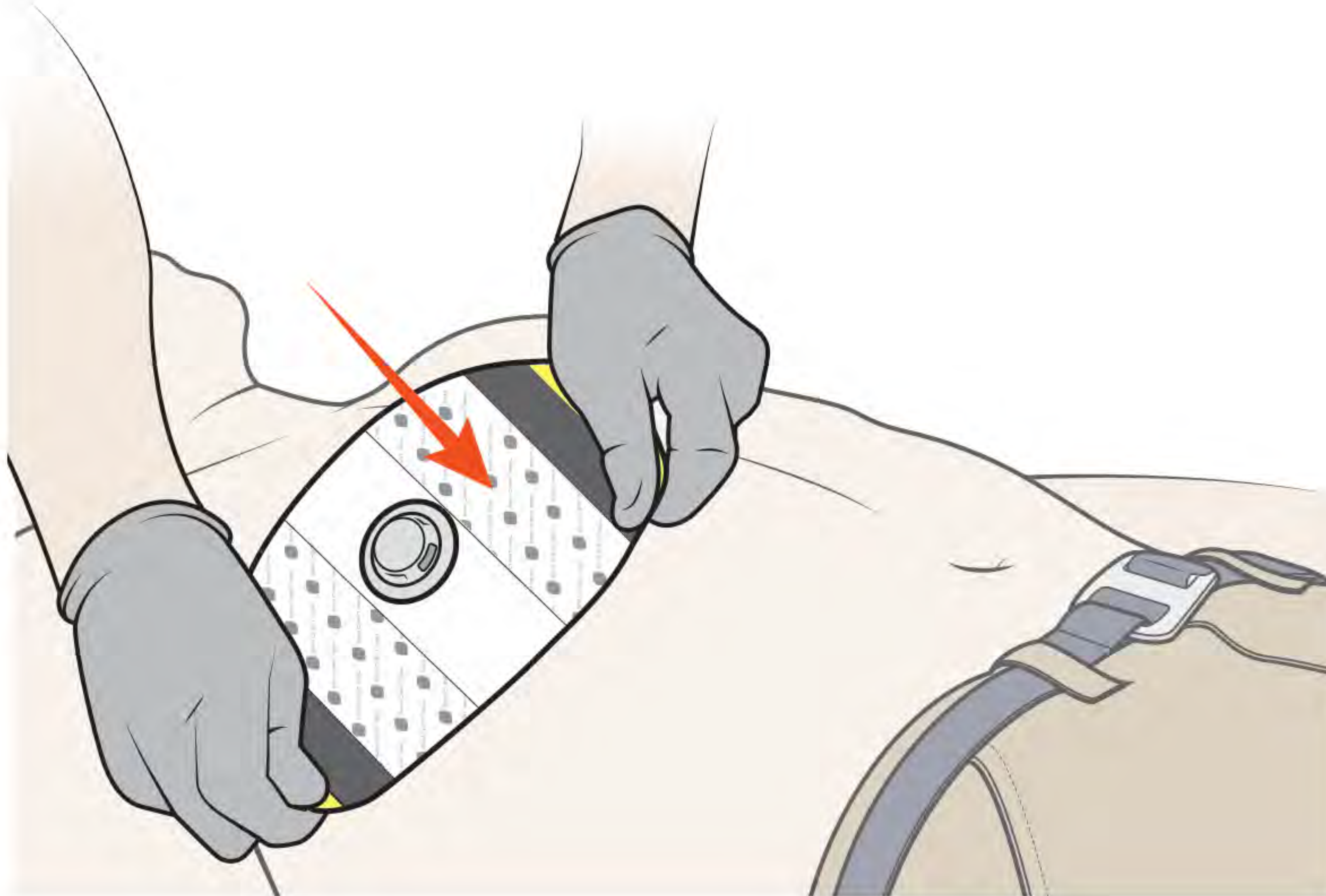
STEP 2

Clean the wounded area.



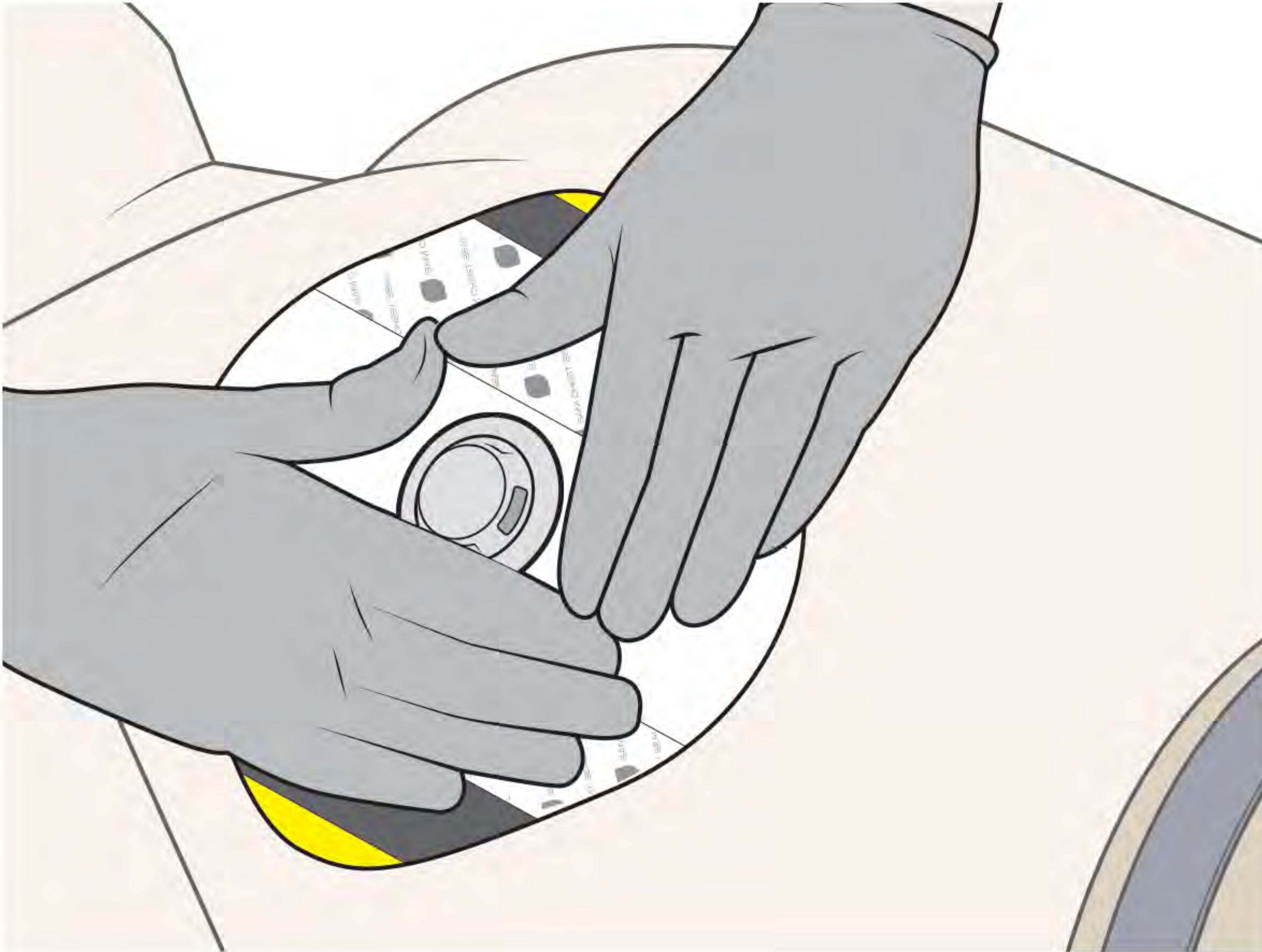
STEP 3

Next, grip the application tab and remove the clear liner.



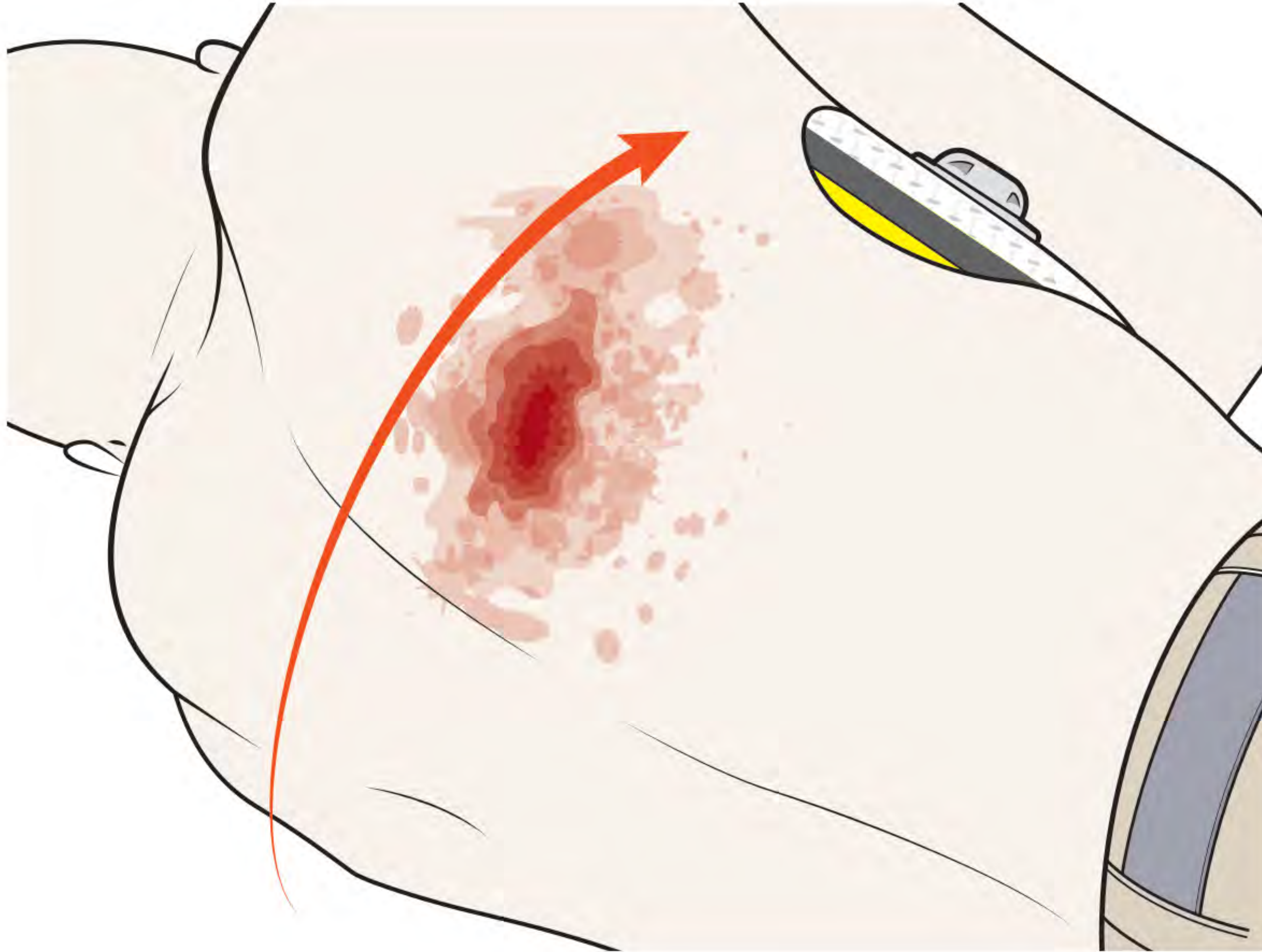
STEP 4

Center the TRUFLOW Valve over the wound and place the dressing adhesive side down.



STEP 5

Press firmly across its entire surface to ensure adhesion.



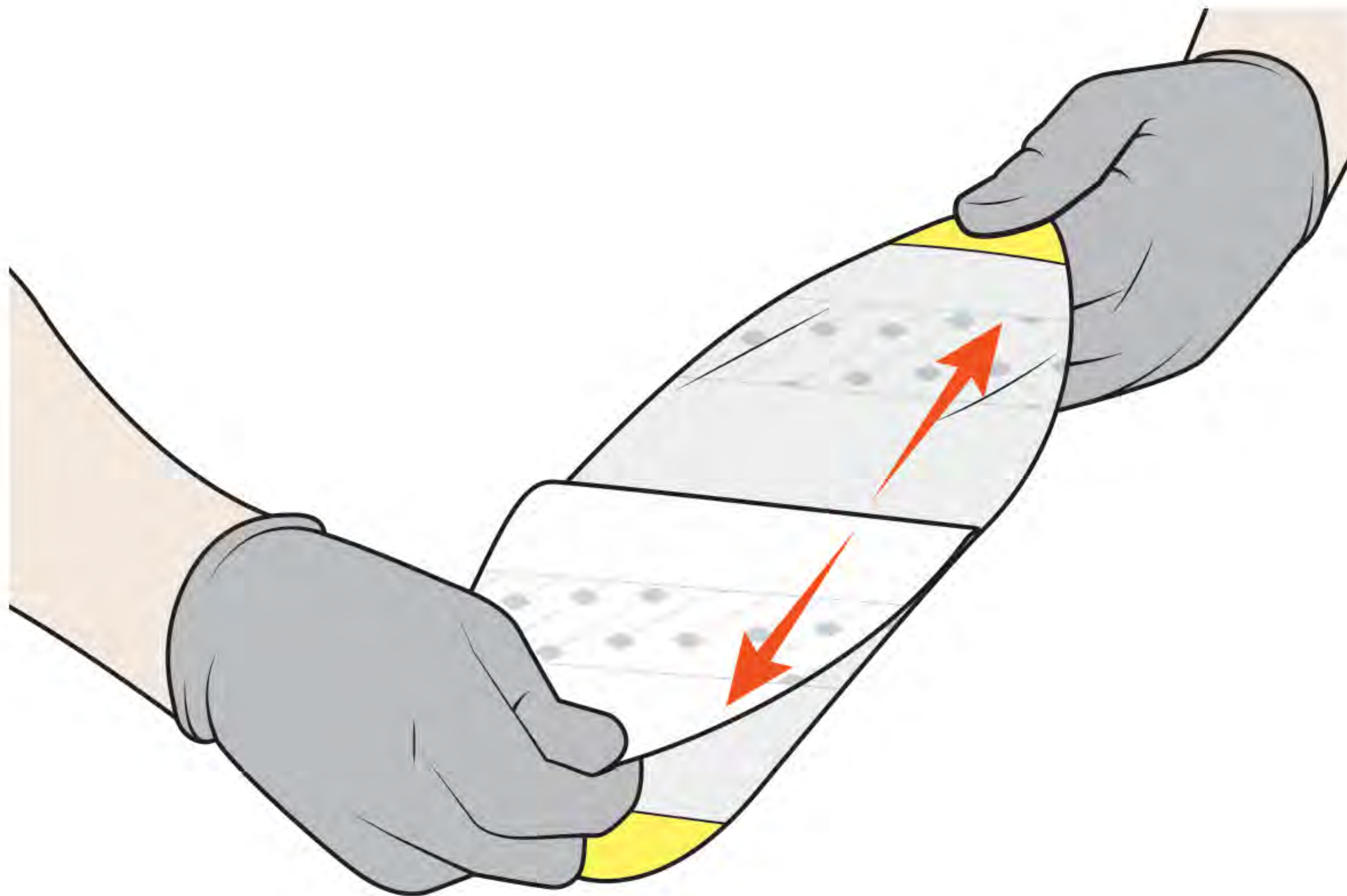
STEP 1

**Locate the wound and
remove the casualties
clothes.**



STEP 2

Clean the wounded area.



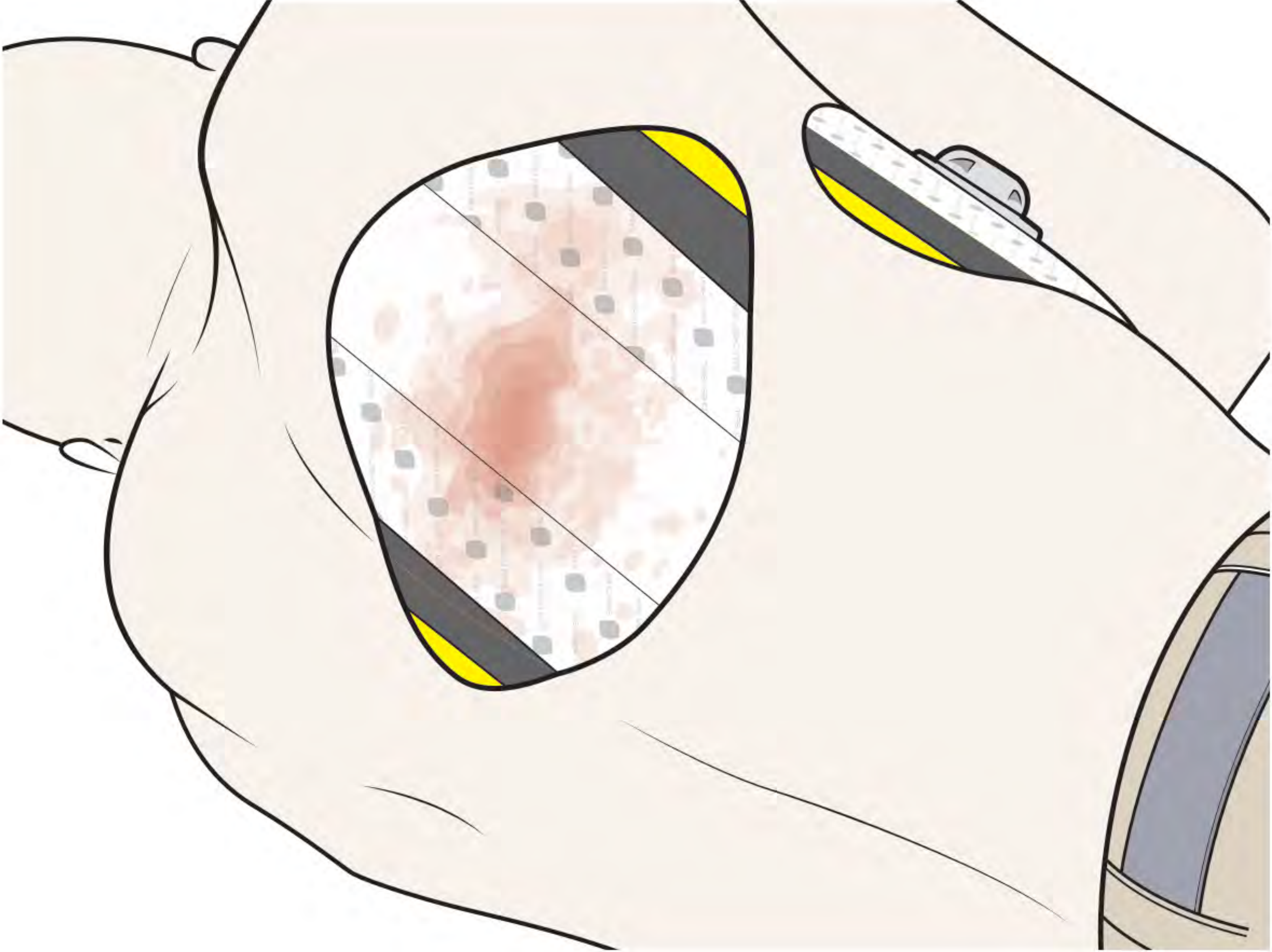
STEP 3

Next, grip the application tab and remove the clear liner.



STEP 4

Center the dressing over the wound and place the adhesive side down before pressing firmly across its entire surface to ensure adhesion.



A man with a beard and closed eyes lies on a gurney. His chest is exposed, showing a large, bloody wound. A white medical device is attached to his chest. A person's hand is visible, resting on his chest. The background is dark and out of focus.

SUMMARY

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STERILE
SUPERIOR ADHESION
OCCLUSION-RESISTANT TRUFLOW VALVE
LARGE SIZE
NIGHT VISION OPTIMIZED
6 YEAR SHELF LIFE