



**Stops Bleeding. Saves Lives.**

**Celox™ Gauze User Training**

# What is Celox Z-fold Gauze?

## Hemostatic Gauze

To treat moderate to severe external hemorrhage;

Gauze with Celox granules bonded to surface;

FDA cleared Medical Device - not a drug;

Celox granules are Chitosan-based;

Chitosan is a highly purified derivative of shrimp shells.



*Available as 5 and 10 foot z-folded gauze.*



## What is Celox Gauze used for?

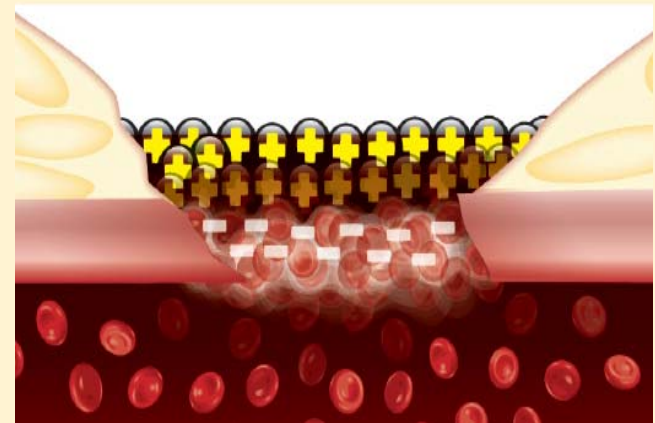
Celox Gauze is indicated for external use to control moderate to severe bleeding (hemorrhage).

CoTCCC Guideline approval is for junctional areas where a tourniquet is not effective.



## How it works

1. Celox absorbs fluid from blood, swells and forms a gel.
2. Positively charged Celox attracts negatively charged red blood cells, locking them together in a gel-like plug.
3. The adherent gel plug seals the wound.



## Using Celox gauze (1)



1. *Apply gloves. Tear open pack. Take out the Celox Z-fold Gauze and take hold of one end with the other hand.*
2. *Tightly pack the unfolding Celox Z-fold Gauze directly to the source of bleeding. Pack remaining wound cavity with Celox Z-fold Gauze or standard gauze. Excess Celox can be torn or cut if necessary.*



## Using Celox gauze (2)



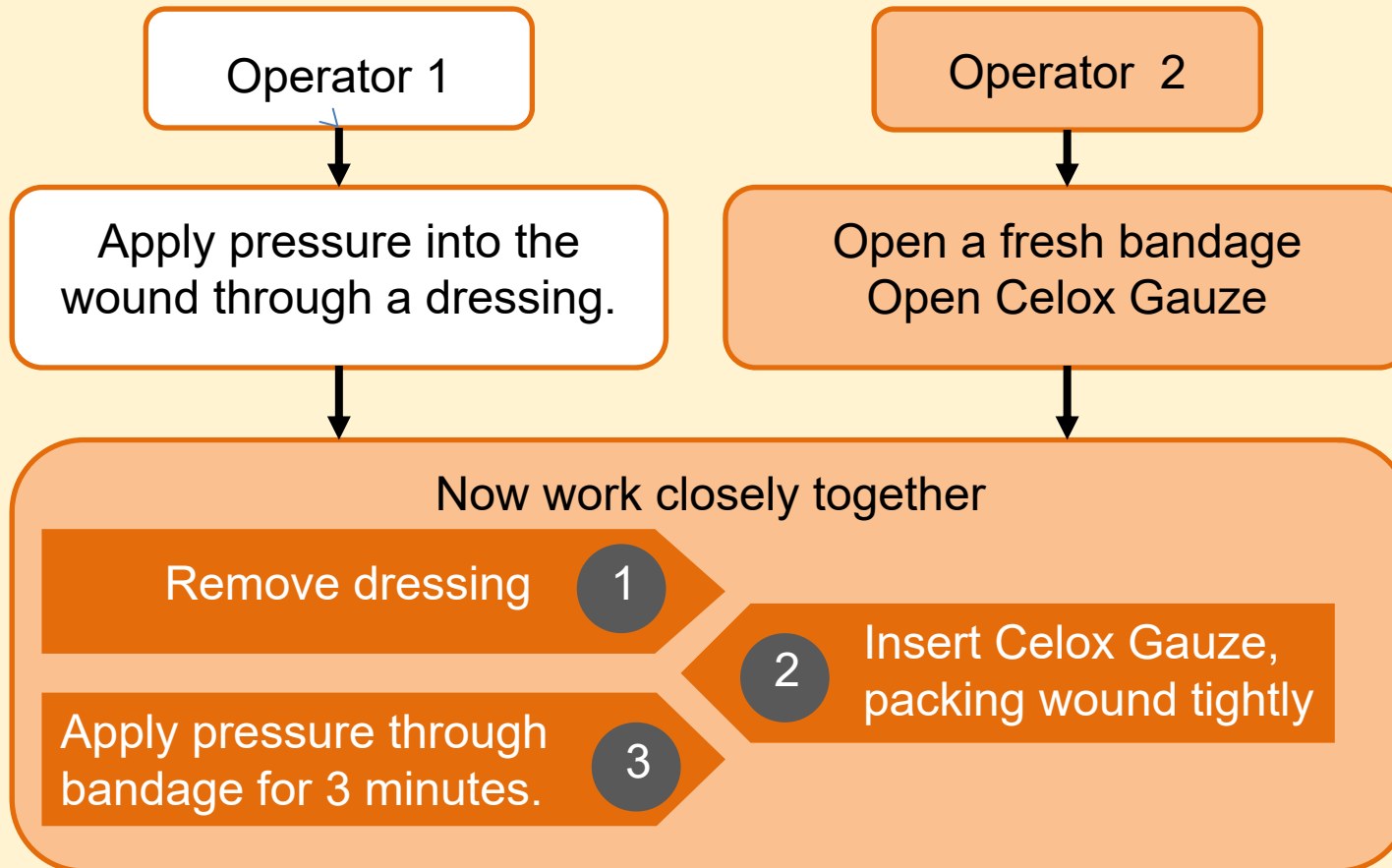
3. *Apply FIRM pressure directly to the wound for 3 minutes. If bleeding persists apply direct pressure for an additional 3 minutes.*



4. *Wrap and tie with a bandage so as to maintain pressure on the wound.*



# Use two-person technique where possible



# Packing Technique

- Open product pack before getting gloves bloody.
- Pack directly onto source of bleeding maintaining pressure on bleed point.
- *For larger wounds, pack out remaining wound space above the Celox with plain gauze or other available material.*
- Bandage over the gauze to keep in place and keep pressure on.



***Pack in to the wound,  
– don't wrap around.***





## Final steps....

- Transfer patient to medical help as soon as possible.
- Show the pack to the receiving team – attach it to the patient if possible.
- Leave the gauze in place until reaching Role 2 / OR.



# How do you remove Celox from the wound?

Do not remove the Celox. Leave in place until the casualty reaches the surgical team.

For Surgical team use:

Remove the gauze. Irrigate if necessary.

Remove any loose surface granules.

Irrigate liberally with saline.



## Safety

Not thrombogenic.

No heat.

Removable.

Residuals metabolized.

Shellfish origin material has been allergy tested. *Non-allergenic.*



# Product Cautions

- Device not intended for surgical use.
- Do not eat. If ingested, drink water to avoid any discomfort.
- Do not apply over eyes. If eye irritation occurs flush with water for five minutes.
- Re-use could result in cross-infection and reduced performance.
- Contains chitosan from shellfish. Allergy studies show no adverse reaction.
- Sterile: single patient use: loss of sterility potentially poses a risk of infection.
- Do not re-sterilize. This may affect performance.



## Summary

Identify bleeding point.  
Remove excess blood.  
Pack onto the bleeding -  
DO NOT WRAP around.  
Apply FIRM pressure for 3 minutes.  
Bandage over the dressing.  
Leave the dressing in place and  
evacuate.

