Description

- Haemostatic agent (not a drug).
- Chitosan: granular derivative of shrimp shells.
- Non-allergenic.
Indications and examples of use

- Life-threatening emergency bleeding.
- Topical (external), not surgical.

Uses
- RTA
- Stab injuries
- Gunshot wounds
- Falls
- Penetrating trauma / amputation.
Celox Granules

The original product.
Versatile.
Pack and press.

www.celoxmedical.com
CELOX™

Applicator

- Narrow injuries
- Deep
- Delivers 6 g granules.

www.celoxmedical.com
Impregnated Gauze

Most popular version.

www.celoxmedical.com
Physical action

Direct contact with bleeding site.

Absorb water – concentrates blood and forms gel.

Granules attract RBC’s and platelets (by charge), locking them together in plug.

Pressure allows the gel plug to form on bleed site.
Using Celox gauze

ÂPack directly to bleed.
ÂMaintain pressure 3 minutes.
ÂIf bleeding persists apply pressure for additional 3 minutes.
ÂBandage.

www.celoxmedical.com
Removal

Granules
Â Scoop out the gel plug,
Â Remove any loose surface granules.
Â Irrigate liberally with saline.

Gauze
Â Remove the gauze.
Â Remove any loose surface granules.
Â Irrigate liberally with saline.
Safety

- Not thrombogenic.
- No heat.
- Removable.
- Residuals metabolized.
- Non-allergenic.
Å Stops heparinised bleeding.
  ï Also warfarin, plavix, aspirin.
Å Stops hypothermic bleeding.

Coagulopathy
Latest US military test.

- Highest survival.
- Lowest blood loss.

Results

Å 21 GSW Afghanistan - 100 % ¹.
Å Gauze cases in civilian and military². No re-bleed.

Example cases

- RTA
- Stab injuries
- Gunshot wounds
- Falls
- Penetrating trauma / amputation.
Conclusion

Â The most effective dressing for immediate haemostasis.

Â Stops hypothermic bleeding as found in severe traumatic injuries.

Â No heat, not thrombogenic, residuals resorb.