

Lineboro Volunteer  
Carroll County



Fire Department  
Maryland

**Stop The Bleed!**



# Critical Bleeding Management



- HyFin Vented Chest Seal
- Celox Hemostatic Gauze

# HyFin Vented Chest Seal



# HyFin Vented Chest Seal



# Indications and Application



- Penetrating Thoracic Trauma
  - Sucking Chest Wound



# Monitoring



- Three-vent design
  - Prevent airflow in during inspiration while allowing for evacuation of air and blood
  - Still effective if two vents are occluded
- Monitor for pathologic changes
  - ↑ Respiratory rate / effort
  - ↑ Heart rate
  - ↓ SpO<sub>2</sub>
  - ↓ Breath sounds
- Manually vent if necessary



# Celox Hemostatic Gauze



# Indications and Application



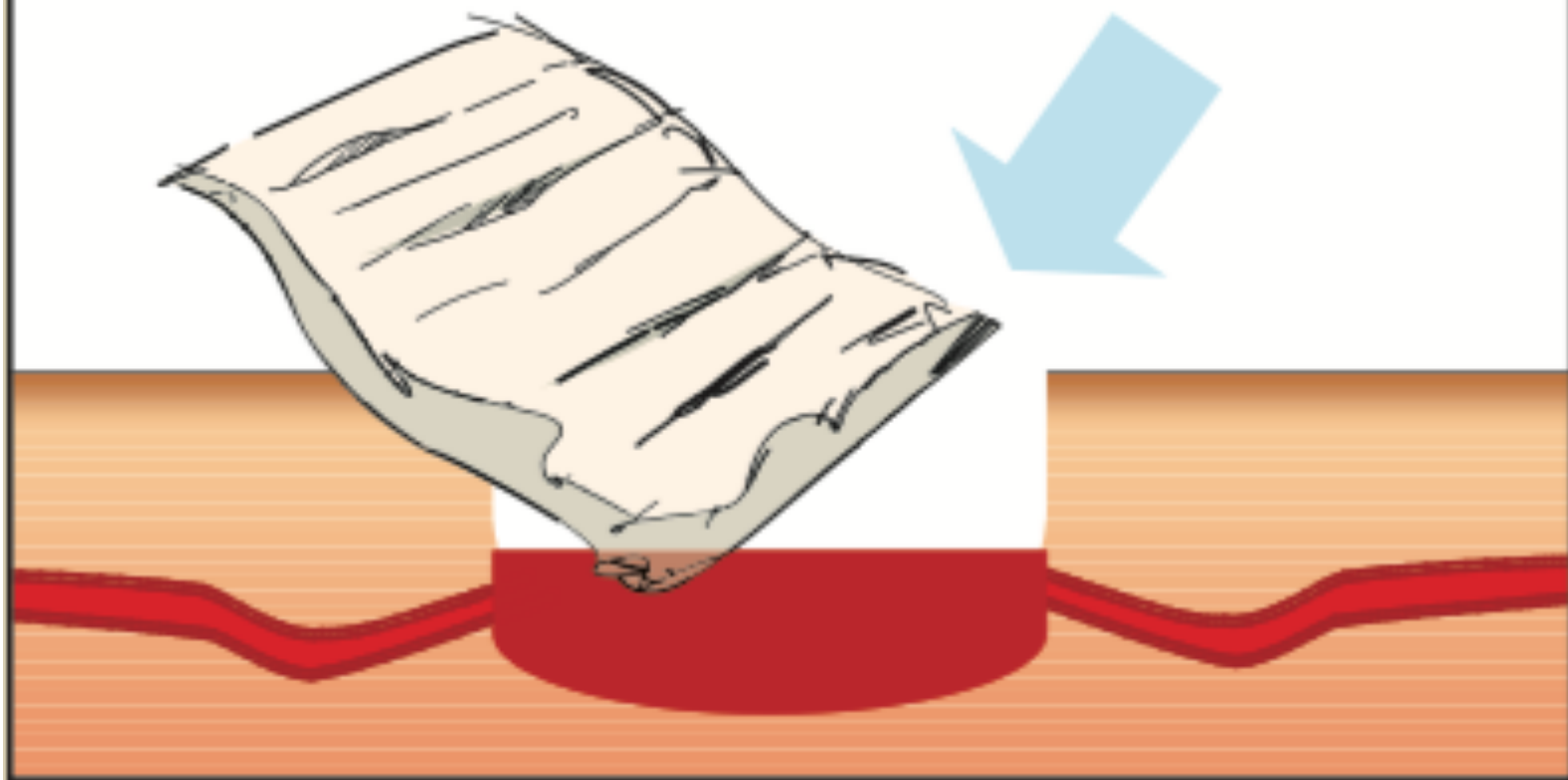
- Indications
  - Severe, Uncontrolled Bleeding
- Application
  - Fill
  - Pack
  - Compress
  - Wrap



# Step 1- Fill



Step 1: Fill wound with Celox Gauze



## Step 2- Pack



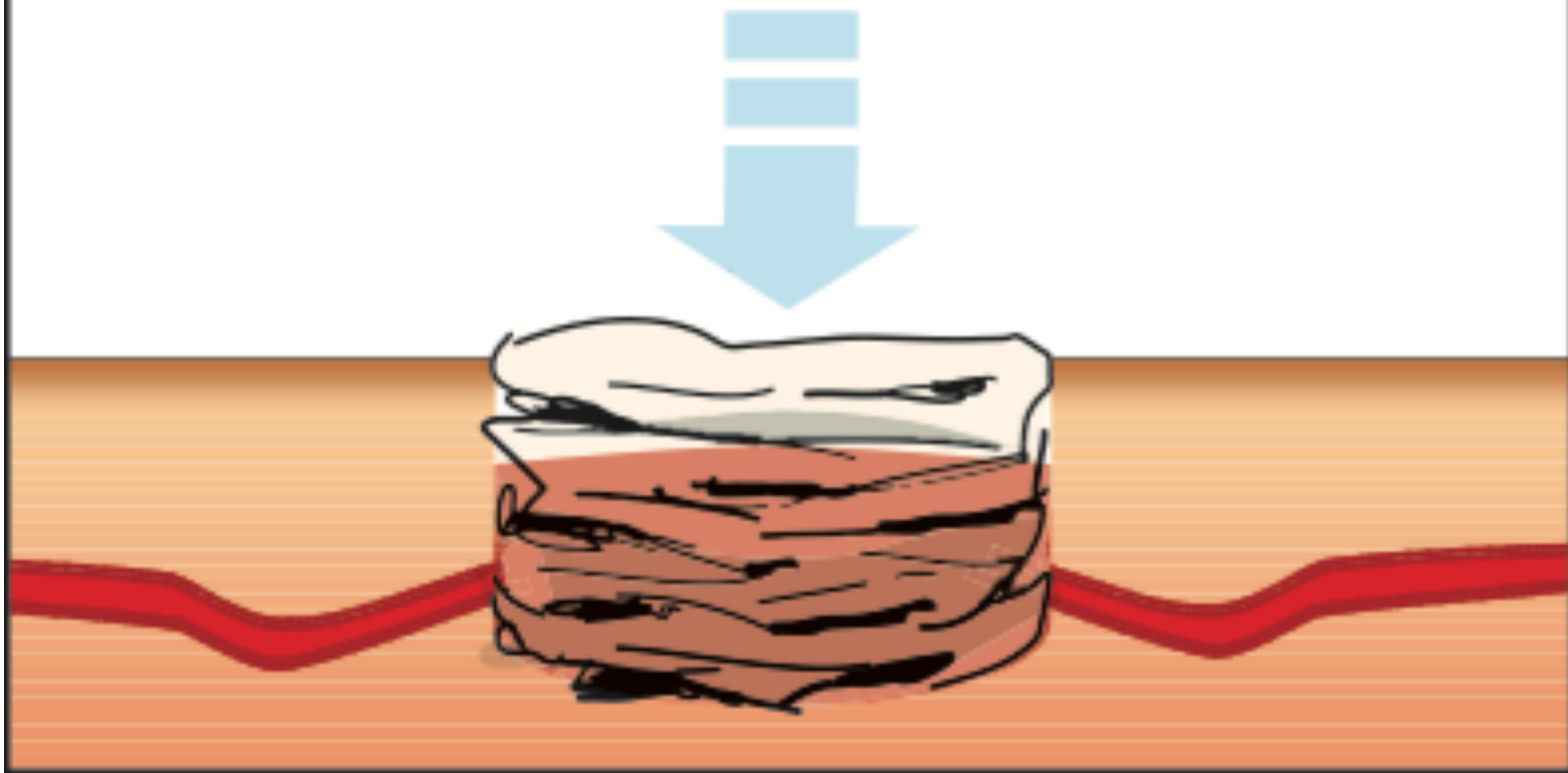
Step 2: Tightly pack the whole space



## Step 3- Compress



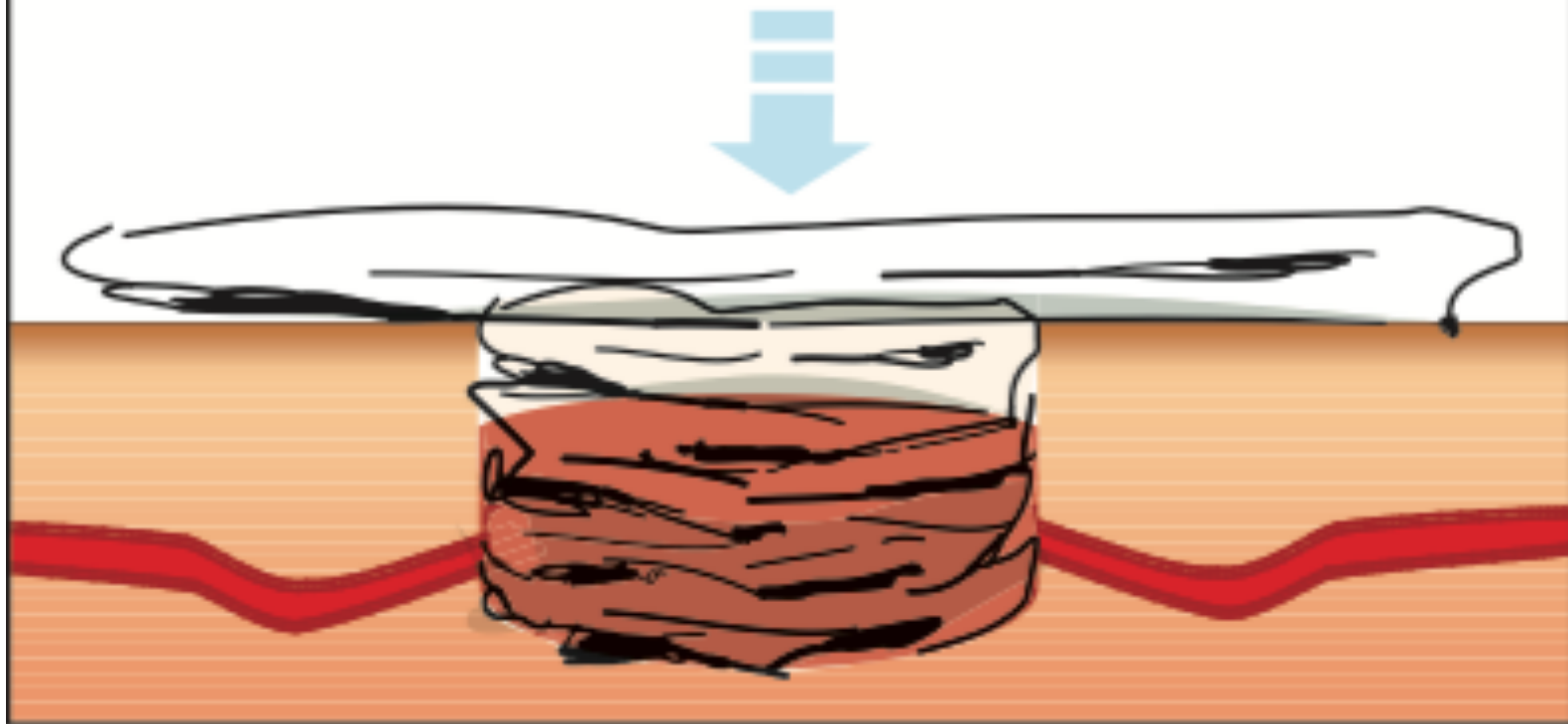
Step 3: Compress three minutes



## Step 4- Wrap



Step 4: Wrap for evacuation



# Equipment Location



- Medic 79
  - ALS Red Bag- Large, front, zippered pocket
  - Severe Trauma Cabinet
- LS 7
  - ALS Red Bag- Large, front, zippered pocket

# Documentation



- Vitals/Treatment Tab
  - Procedure:
    - *Wound Care*
- Document in narrative:
  - Conditions and symptoms before
  - Procedures and devices used
  - Outcome of interventions

# Review

