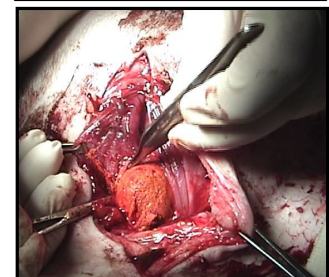
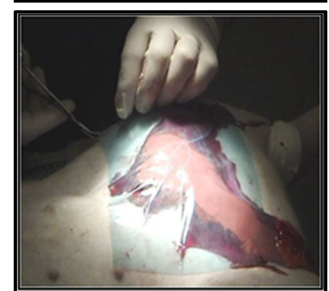
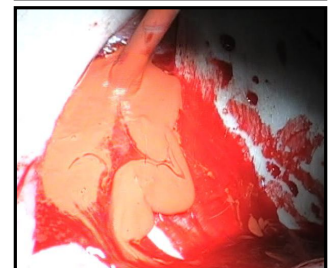
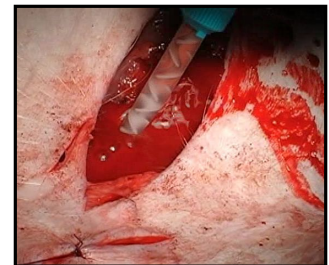


# GRO-KLOT<sup>®</sup> HEMOSTATIC WOUND DRESSING

## 5.5 oz. of Unmatched Lifesaving Performance

- **Is the first and only traumatic wound treatment capable of self-pressurization** and the best method for treating severe bleeding from life threatening lacerations, penetrations, and full thickness wounds
- **GRO-KLOT is the most effective rapid hemostasis product for military or civilian emergency response applications**
- **Small package size is easy to carry in a pocket, pouch or pack**



### **GRO-KLOT Beats other Hemostasis Products Hands Down**

- **Effective Against Large Wounds and Blood Vessel Injuries**
- **Fast Application and Immediate Treatment—No Pre-Application of Direct Pressure Required**
- **Works In Less Than One Minute Providing Its Own Direct Self-Compression Against Blood Flow**
- **GRO-KLOT's Fast Action Facilitates Treating Multiple Injuries**
- **Wound Shield™ Provides Adhesion In The Presence Of Blood and Fluids To Seal The Wound Area**
- **GRO-KLOT and Wound Shield Are Easily and Cleanly Removed By a Surgeon**

**GRO-KLOT is Safe, formulated using food grade materials, and is nontoxic and nonirritating verified through exhaustive toxicity and sensitivity tests.**

**GRO-KLOT is inert, and does not interact with blood, or surrounding wound tissue.**

**US Patent #s 8,828,358, 8,852,558, & 9,707,251**

**Currently under evaluation by the FDA | Not available for sale**

**Proudly Made**



**In the USA**

# GRO-KLOT<sup>®</sup> HEMOSTATIC WOUND DRESSING

## 5.5 oz. of Unmatched Lifesaving Performance

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### Who are we?

Materials Modification Inc. (MMI) was founded in 1986—[www.matmod.com](http://www.matmod.com)

- Dynamic applications driven Development Company in that areas of Materials Science.
- Cutting-edge research and development programs for private industry and government
- Pioneer in the field of nanomaterials and coatings technologies
- **HJ** patents covering novel materials, equipment, nano applications and coatings

### Our Product

- Existing hemostatic wound dressings do not meet the need for a No-Compression bandage.
- All current hemostatic wound treatment products perform poorly for several complex wound injuries and *require application of pressure*
- GRO-KLOT is the only traumatic wound treatment system that mirrors the universally agreed method to control bleeding: **the continuous application of direct pressure**
- Creates its own direct pressure as it surrounds all parts of the wound cavity, fully pressurizing the wound site
- **Effective against the Broadest Range of Traumatic Wounds**—GRO-KLOT performance is twice as effective against accepted femoral artery injury models when compared to the other hemostasis products
- **Faster Treatment Time vs. Typical Products**—Designed for immediate application to the **wound site**—No need to apply three minutes of direct pressure while administering the hemostatic treatment
- **Remarkable Mechanical Action**—Within 1-minute or less, GRO-KLOT exerts direct pressure deep within the wound, and against blood vessels and surrounding damaged wound tissue
- **Integral Wound Shield**—An integral wound covering supports GRO-KLOT's constant direct pressure, saving time, and freeing up medics to treat additional casualties

### Government and Civilian User Segments

**Market/User Segment #1**—Military Field Medics that have been qualified for battlefield trauma assessment and administering immediate victim stabilization and lifesaving treatments

**Market/User Segment #2**—Medical Surgeons who are licensed in general surgery or trauma care. GRO-KLOT is well suited for advanced triage settings, and Mass Casualty Incidents (MCI) where maximizing positive survival outcomes is paramount. Can also be used extensively in general surgery involving, bleeding in stomach, liver or childbirth.

**Market/User Segment #3**—Paramedics and Medical First Responders who have been qualified for rapid MCI deployments and for advanced triage pre-hospital treatments to support emergency disaster recovery operations.

