

# HemaClear®

- Always a Sterile Field
- Superb Exsanguination (95%)
- Less Compression & Greater Accessibility
- Over 1 Million Procedures in 41 Countries

## LESS Complications

## LOWER Cost



### Testimonials

- "HemaClear® is superior to traditional tourniquets in terms of pressure on the thigh. With traditional tourniquets we frequently get bruising in the upper thigh area. Patients will complain of pain afterwards in that region. I almost never get that with HemaClear®. Using **HemaClear®** in over 3000 cases, we've never had a single complication.  
- Dr. Peter Sharkey - Rothman Institute, Philadelphia, PA
- "I'm very, very impressed with **HemaClear®** including its predictable exsanguination and zero complications. Our staff saw the advantages within one or two uses.  
- Mr. Rhidian Morgan-Jones FRCS (Tr&Orth) Consultant Orthopedic & Trauma Surgeon, Cardiff & Vale NHS Trust, Wales



ORDER NOW from <a href="mailto:Orders@HemaClear.com">Orders@HemaClear.com</a>		
Product	Cat#	Units/Case*
SMALL Pink	PRH-028-PI-01A	10
MEDIUM Red	PRH-040-RE-01A	10
MEDIUM Green	PRH-040-GR-01A	10

\*HemaClear® is sold per case

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HemaClear® is Protected by US and International Patents  
HemaClear® is FDA Listed and CE Marked

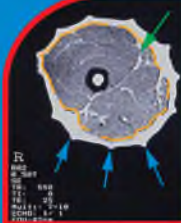


# HemaClear®

## SAFER Sterile Exsanguination Tourniquets



## NO SKIN INJURY



MRI of the thigh under pneumatic tourniquet pressure. The femoral artery is closed (green arrow). Note the creases of the skin where the inflated tourniquet pinches the skin (blue arrows).

## NO NERVE INJURY



"Why are the lesions concentrated under the edges of the cuff? This could be explained by the pressure gradient in the tissues between the parts under the cuff and those beyond its edge. **With the relatively wide cuff we have used**, the gradient would be maximal under the edges of the cuff and least under its centre.

## LESS PAIN

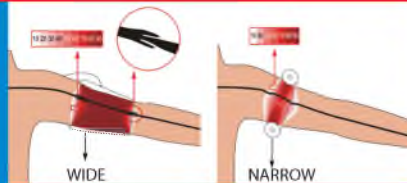


MRI of thigh under pressurized pneumatic tourniquet (Estebe, personal communication, Rennes, France). Note the deformation of the skin beneath the cuff (yellow arrows) and the stretching of the fascia (red arrow).

## Tourniquet Risks AVOIDED with HemaClear®



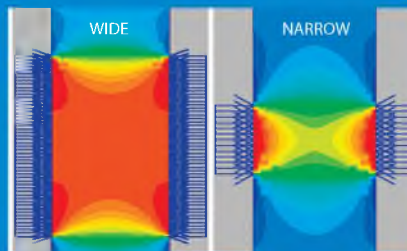
Severe case of so-called "Tourniquet Burn" caused by a pneumatic tourniquet. The linear rows of blisters and skin pinches correspond to the creases in the MRI. Blisters



Squeezing of a long segment of nerve by the wide pneumatic tourniquet (left) causes nerve elongation and telescoping. This does not happen with the narrow HemaClear® (right).



Thigh skin immediately after HemaClear® removal



Pressure fields in a limb beneath a wide pneumatic tourniquet (left) and a narrow HemaClear® (right). Note the extent of tissue compression with the pneumatic tourniquet.

### HemaClear® Placement

Use of HemaClear® minimizes post-op tourniquet pain by its smaller footprint, lesser applied force, and less tissue compression, and deformation. Also, because it can be placed on less muscular limb positions, as shown in diagram.

(Right) BLUE: Correct sites. (Left) RED: Wrong positions

