HemaClear® is a line of innovative science-backed, sterile, single-use devices for the safe and effective removal of blood from the limbs, while blocking its re-entry. HemaClear® has been used in over 700,000 procedures worldwide in over 25 countries, with an outstanding safety track record.

**SAVES COST, TIME & CLUTTER**

**Testimonials**

- “Using HemaClear® in over 3000 cases, we've never had a single complication. HemaClear® gets rid of a tremendous amount of clutter in the operating room. Reusable tourniquets get very dirty and messy, if patients had any idea that we are applying them over and over again to their groin area, they'd be appalled.”
  - Dr. Peter Sharkey - Rothman Institute, Philadelphia, PA
- “HemaClear® rolls way up to the axilla, giving a lot more space to operate.”
  - Dr. Herzenberg - Head of Pediatric Orthopedic Surgery, Sinal Hospital, Baltimore, Maryland
- “I'm very, very impressed with HemaClear® including its predictable exsanguination and zero complications. Our staff saw the advantages within one or two uses. It is predictable and very simple, and they like it.”
  - Mr. Rhidian Morgan-Jones FRCS (TR & Orth) Consultant Orthopedic & Trauma Surgeon, Cardiff & Vale NHS Trust, Wales

**ORDER NOW from Orders@HemaClear.com**

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<tr>
<th>Product</th>
<th>Cat#</th>
<th>Units/Case</th>
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<td>MEDIUM Yellow</td>
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<td>Model F - Forearm</td>
<td>PRH-032-MA-01A</td>
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*HemaClear® is sold per case ONLY

**USA**

OHK Medical Devices, Inc.
2885 Sanford Avenue SW #1475, Grandville, MI 49418
Tel: +1.866.503.1470 | Fax: +1.866.430.6132

**EU REPRESENTATIVE**

G+N Medical
Maydwell Avenue, off Stane Street
Slinfold, Horsham, RH13 0GN, UK
+44(0)845 263 8908 | www.gandn.com

HemaClear® is Protected by US and Other Patents
HemaClear® is FDA Listed and CE Approved
Complications with Current Surgical Practices

**SURGICAL SITE INFECTION (SSI)**
- Non-sterile pneumatic tourniquets are a source of MRSA

*All tourniquets in use were found to be contaminated with colony counts ranging from 9 to >385™*

**PARTIAL ESANGUINATION**
- 45-67% limb exanguination
- Intravascular clotting of blood left behind
- Pulmonary embolism of migrating clots to heart & lungs when tourniquet is released
- Risk of Brain Infarcts that may result in Post TKA Cognitive Dysfunction

Ref: Incomplete Leg Exanguination: A Possible Cause of Post Total Knee Arthroplasty (TKA)/Cognitive Deficit (CD). Gurnaney N. OPHR Archive - Figure 4*

**WIDE CUFFS INJURY & OBSTRUCT**
- Skin Injury (20.7%*)
- Tourniquet pain (39.7%*)
- Neuropraxia**

**REDUCED ACCESSIBILITY**
- Limited surgical field
- Limited visibility

*Ref: Lower Tourniquet Cuff Pressure Reduces Postoperative Wound Complications After Total Knee Arthroplasty. Kandria Institute, J. Bone & Joint Surg Am. 2012; 94-A

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HemaClear® - A Bloodless Surgical Field Every Time

**ALWAYS A STERILE FIELD**
- HemaClear® is sterile single-use device
- "Using non-sterile tourniquets is much like sharing underwear. Who would take such a risk?"
  Dr. Wayne M. Goldstein
  President & Founder, Illinois Bone & Joint Institute

**SUPERB ESANGUINATION (95%)**
- Bloodless, dry surgical field
- Improved anatomical visibility
- Reduced incidence of DVT*
- Reduced incidence of pulmonary embolism*

Ref: Nondrainage Decreases Blood Transfusion Need and Infection Rate in Waterless Total Knee Arthroplasty. Dimatteo L, et. al. J Arthroplasty, 2013; Table 5

**NARROW CUFFS ARE SAFER**
- No skin injury
- Diminished tourniquet pain
- No tourniquet-induced nerve damage

**INCREASED ACCESSIBILITY**
- Maximum surgical "real estate"
- Increased surgical site visibility

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Computational pressure distribution inside the limb when applying the NARROW HemaClear® or the WIDE Pneumatic Tourniquet
*Ref: Mechanical Response of Limbs to a Tourniquet Application. Ronenberg F. OPHR Archive 2002*