Intraoperative protection against deep vein thrombosis

The incidence of deep vein thrombosis in patients undergoing hip surgery is documented and significant (45% - 70%), with the highest risk period for thrombosis formation occurring during the hip procedure itself. The clinically proven A-V Impulse System®* foot pump, with the ImPad sterile foot cover, can be used intraoperatively to help prevent deep vein thrombosis.

Increased Procedural Risk

Virchow cites three contributing factors to thrombosis development: stasis, hypercoagulation, and vessel wall damage.

- **The kinking of the femoral vein** during a hip arthroplasty procedure is said to cause increased stasis and damage to the femoral vein.²

- **Complete cessation of venous flow** was demonstrated in ten primary hip replacements during movement of the operative limb utilizing either the anterolateral or posterior approach.³

Intraoperative Protection

The ImPad sterile foot cover allows intraoperative protection against the formation of proximal thrombosis. The A-V Impulse System foot pump is documented in published studies to:

- **Overcome the obstruction** caused by intraoperative kinking of the femoral vein.³

- **Generate venous flow velocities**, twice that of resting velocities, through the folded femoral vein.³

- **Reduce thrombosis**, specifically in the proximal area, after hip replacement.⁴

Operating Room Compatibility

The A-V Impulse System foot pump with the ImPad sterile foot cover is convenient, simple and easy to use.

- **The disposable foot garment** requires foot access only, thus eliminating the possibility of any interference with the surgical field.

- **Pre-attached tubing** avoids the potential for disconnection during surgery.

- **16 foot tubing length** allows complete freedom when manipulating the operative limb.

- **Peel-away pouch and sterile CSR packaging** ensure quick and easy delivery of the product into the sterile field.
Directions for applying the Impad sterile foot cover

Step 1 Drape the patient and prepare the operative limb.

Step 2 Apply impervious stockinette. The stockinette is extended over the foot and up to the knee. To secure the stockinette, use a cohesive bandage.

Step 3 In the sterile field, peel open the sterile Impad foot cover pouch and remove the foot wrap and tubing from the CSR wrap.

Step 4 Apply the sterile foot cover to the foot of the operative limb. When applying the foot wrap, be careful that the tubing remains in the sterile field.
   - Place foot centrally on top of the Impad inflation pad as shown by the graphics on the inflation pad.
   - Wrap the inside of the sterile Impad foot cover over the top of the foot and then overlap the outside of the Impad foot cover, pulling to fit snugly and secure with fastener tab. Next, wrap the rear strap around the back of the heel and secure in place with the fastener tab.
   - Check that the sterile Impad foot cover fits securely.

Step 5 Lift patient leg to estimate the tubing length required to perform the intraoperative limb manipulation.

Step 6 Secure the tubing by twisting the sterile drape around the tubing and clip. This will prevent the portion of tubing required for the limb manipulation from dropping below the operating table.

Step 7 Insert sterile Impad foot cover tubing directly into the A-V Impulse System controller.

Step 8 Apply non-sterile foot wrap to non-operative limb (optional).

SIZING INFORMATION

Impad Sterile Foot Cover Sizing:
One size fits all

Impad Rigid Sole Foot Cover Sizing (Non Sterile):

<table>
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<th></th>
<th>Regular</th>
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<th>X-Large</th>
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</thead>
<tbody>
<tr>
<td>Women’s shoe size</td>
<td>5 ½ – 9</td>
<td>9 ½ – 11 ½</td>
<td>9 ½ – 12 ½</td>
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<tr>
<td>Men’s shoe size</td>
<td>4 ½ – 8</td>
<td>8 ½ – 12 ½</td>
<td>8 ½ – 13 ½</td>
</tr>
<tr>
<td>Circumference</td>
<td>Up to 12”</td>
<td>Up to 13”</td>
<td>13 – 18”</td>
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Note: For Impad under cast inflation pads, one size fits all.

ORDERING INFORMATION

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<th>Description</th>
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</tr>
<tr>
<td>6067</td>
<td>Left foot</td>
<td>4 each/case</td>
</tr>
<tr>
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* 100% Latex Free

References: