Peripheral IV Insertion Compliance Bundle

1. Match operator skill to vein level assessment
2. Change operator after 2 attempts
3. Wear gloves (PPE)
4. Clip hair (don’t shave) if necessary
5. 30 second scrub: 2% chlorhexidine/70% alcohol 70%
6. Air dry one minute
7. No touch after cleaning (or non-contaminated sterile gloves)
8. Maintain all IV ports and connections aseptically
# Vein Assessment

## VEIN LEVEL

<table>
<thead>
<tr>
<th>Level</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>Level 1</td>
<td>Visible, easy to palpate, large in size</td>
</tr>
<tr>
<td>Level 2</td>
<td>Visible, easy to palpate, moderate in size, previous IV site</td>
</tr>
<tr>
<td>Level 3</td>
<td>Visible, easy to palpate, small size, previous IV site, limited veins (some sclerosed)</td>
</tr>
<tr>
<td>Level 4</td>
<td>Difficult to see, can be palpated, age &gt; 70, previous therapy has resulted in poor veins</td>
</tr>
<tr>
<td>Level 5</td>
<td>Vein not visible, cannot be palpated, may require multiple techniques</td>
</tr>
</tbody>
</table>

## PHLEBITIS SCALE

<table>
<thead>
<tr>
<th>Score</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1+</td>
<td>Pain at Site</td>
</tr>
<tr>
<td>2+</td>
<td>Pain and redness at Site</td>
</tr>
<tr>
<td>3+</td>
<td>Pain, redness and swelling at site with palpable cord of less than 7.5 cm</td>
</tr>
<tr>
<td>4+</td>
<td>Pain, redness and swelling at site with palpable cord of 7.5 cm or greater</td>
</tr>
</tbody>
</table>
Infiltration Scale *DAR if >0

0  No symptoms
1  Skin blanched
   Edema < 2.5 cm in any direction
   Cool to touch
   With or without pain
2  Skin blanched
   Edema 2.5 – 15 cm in any direction
   Cool to touch
   With or without pain
3  Skin blanched, translucent
   Gross Edema > 15 cm in any direction
   Cool to touch
   Mild – moderate pain
   Possible numbness
4  Skin blanched, translucent
   Skin tight, leaking
   Skin discolored, bruised, swollen, gross edema > 15 cm in any direction
   Deep pitting tissue edema
   Circulatory impairment
   Moderate – severe pain
   Infiltration of any amount of blood product, irritant, vesicant

Lewis et al. 2017. Journal of ICM. Adapted from Society of Infusion Nursing