**Cincinnati Pediatric Intravenous Extravasation Assessment System**

**STEP 1:** Assess Extravasation Volume

**STEP 1a:** Measure Swelling

**STEP 1b:** Measure ARM Length

\[ Y = \text{Axilla to tip of longest finger} \]

- For Y measure arm length regardless of site of extravasation.
- For patients with casts or limb deficiency, consult vascular access team.

\[ \frac{X}{Y} \times 100 = \% \]

**STEP 1c:** Calculate

Notes:
- Define edges of swelling by palpation/visual observation.
- Measure longest dimension.

**STEP 2:** Assess Extravasated Medication

**Venous Infusion Extravasation Risk**

This is an estimate of risk for phlebitis or local tissue injury due to extravasation from any intravenous infusion device. Risk derived from available evidence, CCHMC data and CCHMC expert opinion, subject to review and change as further evidence becomes available.

For Treatment of Extravasation, Refer to CCHMC Policy P&T II-112

EXTRAVASATION MEDICATION CODING

<table>
<thead>
<tr>
<th>R</th>
<th>medication on RED list</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y</td>
<td>medication on YELLOW list</td>
</tr>
<tr>
<td>G</td>
<td>medication on GREEN list</td>
</tr>
<tr>
<td>F</td>
<td>Fluids only (no medications or potassium)</td>
</tr>
<tr>
<td>U</td>
<td>medication Unlisted</td>
</tr>
<tr>
<td>N</td>
<td>medication not listed but causing harm similar to a RED drug (this category will rarely be needed)</td>
</tr>
</tbody>
</table>

**STEP 3:** Chart immediately in EPIC

Notify Vascular Access Team as soon as possible if:

- Volume \( \geq 30\% \) and/or RED List Medication

Vascular Access Team Pager:

736-0337

October 9, 2014

© 2009 – 2013 Cincinnati Children’s Hospital Medical Center