UMBILICAL VEIN CANNULATION
Insertion checklist

Preparation
- Gather equipment as listed on page at the back of this sheet
- Set up IV tubing and prime the line (no bubbles)
- Prime 3-way tap
- Appropriately sized UVC cannula selected
- Umbilical stump cleaned and prepared with tie at the base

Stump preparation
- Cut the cord approx. 1-2cm from the abdomen perpendicular to abdomen
- Identify the thin walled vein
- Use forceps to hold the vein open once identified, attempt to dilate the vein lumen if possible

Insertion
- Hold cannula above the level of anticipated insertion
- Insert the cannula into the vein, using aseptic technique as far as possible
- Observe for blood moving into the cannula under negative pressure (should occur approx. 1cm past abdominal wall)
- DON’T advance catheter too far (2-4cm only)
- Aspirate blood back into the line to confirm placement, then flush line with 2-4ml crystalloid
- Attach primed line and 3 way tap with extension set to the cannula and run fluid as required

Secure
- Secure the UVC in place by tightening the tie at the base
- Secure the cannula in place by sticking it to the infant’s abdomen using most appropriate method
# Equipment needed

<table>
<thead>
<tr>
<th>Item</th>
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<tbody>
<tr>
<td>FG 3.5 &amp; 5 umbilical catheters</td>
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<tr>
<td>Umbilical Tape</td>
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<tr>
<td>NaCl vacolitre</td>
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<tr>
<td>Buratrol and admin set</td>
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<tr>
<td>3-way tap</td>
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<tr>
<td>Strapping/tegaderm to secure</td>
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<tr>
<td>10 ml syringe</td>
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</tbody>
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