## Buzzy® Value Analysis 2015

<table>
<thead>
<tr>
<th>Pain Reliever</th>
<th>Cost/use $USD</th>
<th>Prep time</th>
<th>Ease for Nursing</th>
<th>Ease for Pharmacist</th>
<th>Duration after discontinuation</th>
<th>Pain Effectiveness</th>
<th>Ease of Cannulation Compared to Nothing</th>
<th>Tips</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Buzzy®</strong></td>
<td>0.20/2.20 w/ disposable ice wings</td>
<td>1 min</td>
<td>***</td>
<td>*****</td>
<td>30 seconds</td>
<td>****</td>
<td>*****</td>
<td>Introduce to patient before applying; clean reusable wings between pts</td>
</tr>
<tr>
<td>Buffered Lidocaine c 30g</td>
<td>$3.00</td>
<td>1 min</td>
<td>**</td>
<td>***</td>
<td>10 min</td>
<td>*****</td>
<td>***</td>
<td>Nurses personally prefer to LMX; more waste</td>
</tr>
<tr>
<td>Cold Spray</td>
<td>0.50</td>
<td>10 sec</td>
<td>****</td>
<td>****</td>
<td>30 seconds</td>
<td>*</td>
<td>*</td>
<td>Not recommended under age 12 y(9)</td>
</tr>
<tr>
<td>DistrACTION® Cards</td>
<td>0.01</td>
<td>10 sec</td>
<td>*****</td>
<td>*****</td>
<td>n/a</td>
<td>***</td>
<td>n/a</td>
<td>97% say better phlebotomy experience(11)</td>
</tr>
<tr>
<td>EMLA®</td>
<td>$6.00</td>
<td>60 min</td>
<td>*</td>
<td>***</td>
<td>2 hours</td>
<td>*****</td>
<td>**</td>
<td>Vasoconstricts until 90 min; improved IV success after 2 hours(3)</td>
</tr>
<tr>
<td>J-Tip®</td>
<td>$6.00</td>
<td>1 min</td>
<td>***</td>
<td>*</td>
<td>10 min</td>
<td>*****</td>
<td>***</td>
<td>Warn about loud pop</td>
</tr>
<tr>
<td>LMX-4®</td>
<td>$4.00</td>
<td>20 min</td>
<td>*</td>
<td>**</td>
<td>20 min</td>
<td>****</td>
<td>**</td>
<td>Try Glad Press-n-Seal instead of Tegaderm for comfort(13)</td>
</tr>
<tr>
<td>Synera®</td>
<td>$20.00</td>
<td>20 min</td>
<td>**</td>
<td>**</td>
<td>90 minutes</td>
<td>*****</td>
<td>*****</td>
<td>Toxic if chewed; hot; best depth (8.11mm)</td>
</tr>
<tr>
<td>Zingo®</td>
<td>$14.00</td>
<td>1 min</td>
<td>***</td>
<td>***</td>
<td>10 minutes</td>
<td>***</td>
<td>**</td>
<td>Most waste</td>
</tr>
</tbody>
</table>

* = least  *** = intermediate  ***** = best  
Non-prescription products underlined
Save Time, Same Relief – Delay in obtaining labs is the major barrier to ED flow. Buzzy® improves IV success on the first stick 3x. (4) An IV with Buzzy takes 3.5 minutes, while an IV with LMX takes 40.5 minutes, but both have equivalent pain relief. (1) 81% of phlebotomists found Buzzy made IVs easier, 0% said it made it harder. (21)

Improve Patient Satisfaction – Patients love Buzzy – it has been mentioned by name on Press Gainey Surveys (“Tell Buzzy I love him”) and in an adult ward increased HCACP scores in an inpatient trial.

Safety – 81% of phlebotomists noted the procedure was easier with Buzzy. (21) When used as directed, Buzzy does not alter lab values compared to standard tourniquet; vaccines, antibodies, and biologic products are stable to -80F, so injected medications are not affected by ice, but prolonged application of ice can trigger cold agglutinins when used for phlebotomy.
Buzzy® Value Analysis 2015

Bibliography


20: Wallace MS, Kopecky EA, Ma T, Brophy F, Campbell JC. Evaluation of the depth and duration of anesthesia from heated lidocaine/tetracaine (Synera) patches compared with placebo patches applied to healthy adult volunteers. Reg Anesth Pain Med. 2010 Nov-Dec;35(6):507-13PMID: